

CURRICULUM VITAE

1. PERSONAL

Name in Full Jae-Yeol Cho

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Current Position Professor
Dept. of Civil & Environmental Engineering, Seoul National University
Director, Extreme Performance Testing Center



2. EDUCATION

2001	Ph.D.	Dept. of Civil Engineering, Seoul National University, Korea
1995	M.S.	Dept. of Civil Engineering, Seoul National University, Korea
1993	B.S.	Dept. of Civil Engineering, Seoul National University, Korea

3. PROFESSIONAL EXPERIENCE

2023 – 2025	Dean, SNU Dept. of Civil & Environmental Engineering
2023 – 2025	Board Director, SNU R&DB Foundation
2022	Conductor, SNU Advanced Industrial Strategy Program (AIP)
2021 – present	Director, Core Research Support Center (designated by Ministry of Education)
2019 – 2021	Associate Head, SNU R&DB Foundation
2019 – 2021	Associate Head, SNU Entrepreneurship Center
2018 – 2019	Deputy Chair, Dept. of Civil & Environmental Engineering
2017	Visiting Professor, Hokkaido University, Japan (2 months)
2017 – present	Professor, Seoul National University
2015 – present	Director, Extreme Performance Testing Center
2014 – 2016	Deputy Chair, Dept. of Civil & Environmental Engineering
2012 – 2017	Associate Professor, Seoul National University
2010	Visiting Professor, Georgia Institute of Technology, USA (6 months)
2007 – 2012	Assistant Professor, Seoul National University
2005 – 2007	Manager, Samsung Engineering & Construction Co.
2002 – 2005	Post-Doctoral Fellow, Dept. of Civil & Environmental Engineering, University of Wisconsin-Madison, USA
2001 – 2005	Senior Researcher, Research Institute of Engineering Science, Seoul National University
1997 – 2003	Technical Research Personnel, Military Service Exception
1997 – 1998	Part-time Lecturer, Hankyung National University
1993 – 2001	Research Assistant, Department of Civil Engineering Seoul National University

1993 – 1994 Teaching Assistant, Department of Civil Engineering
Seoul National University

4. TEACHING

Undergraduate Courses	457.305	Theory of Reinforced Concrete and Lab.1
	457.306	Theory of Reinforced Concrete and Lab.2
	400.313	Field Applications of Engineering Knowledge
Graduate Courses	457.650	Advanced Reinforced Concrete Design
	457.651	Advanced Reinforced Concrete Mechanics
	457.644	Advanced Bridge Engineering (Composite Structures)

5. AREAS OF RESEARCH INTERESTS

New Materials	Application of FRP to strengthen the existing structures Application of high strength (~700 MPa) rebars for bridge structures, nuclear power plant buildings Application high strength (~2,400 MPa) tendons for bridge structures Application of macro steel fiber as a structural component
New Construction Tech.	Development of optimal connections of hybrid bridges Preassembly of coping reinforcement for the accelerated construction
Experimental Techniques	Development of a similitude law to enhance the shaking table test and pseudo-dynamic test Review and verification of complicated experimental works Measurement of tendon strain in PSC members Measurement of corrosion of prestressing tendon
Extreme Loads	Analysis and design of RC/PSC structure subjected to impact/impulsive loading Vehicle/aircraft/missiles collision, falling rocks, etc.
Code Validation/Change	Dynamic performance of RC/PSC structures under high and low temperature All the above research interests and activities eventually aims at the validation and implication of structural concrete design codes

6. PROFESSIONAL AFFILIATIONS

2023 – present	Member, National Academy of Engineering of Korea
2021 – 2024	Editor-in-Chief, International Journal of Concrete Structures and Materials (IJCSM)
2020 – present	Land and Housing Institute (LHI) Journal Member of Editorial Board
2016 – 2017	KSCE Representative, Asian Civil Engineering Coordination Council (ACECC); LOC Chair, CECAR10 (2025)
2013 – 2015	Associate Editor, KRI Journal
2011 – present	Member, Korean Institute of Bridge and Structural Engineers (KIBSE) Chair, Korean Highway Bridge Design Code Committee (2015-2021) Chair, Concrete Bridge Subcommittee (2021-2023) Secretary, Concrete Bridge Subcommittee (2015-2021)
2010 – present	Korean Society for Railway (KSR) Member of Board of Directors (2014-present) Member of Board of Directors (2010)
2009 – present	Committee Member , ISO/TC 71/SC 4
2008 – present	Member, Federation Internationale du Beton (FIB)

	Member, WG 2.4.2 Modelling of Fibre Reinf. Conc. Structures (2016-present)
	Member of Korea Representative, TG 10.1 Model Code 2020 (2017-present)
2007 – present	Member, American Society of Civil Engineers (ASCE)
2007 – present	Member, International Association for Bridge and Structural Engineering (IABSE) Fellow (2017-present)
2005 – 2008	Member, Korea institute for Structural Maintenance and Inspection (KSMI)
2002 – present	Member, American Concrete Institute (ACI) Member, Committee 349, 359, 370 Assoc.
1999 – present	Member, Korea Concrete Institute (KCI) Chair, KCI Concrete Policy Committee (2026-present) Vice-President (in charge of planning and finance) (2025-present) Chair, KCI English Journal Editorial Board (2021-2024) Vice-Chair, Structural Design Code Committee (2021-present) Chair, Planning & Operation Committee (2019-2020) Chair, KCI 102 Flexure-Compression Committee (2019-2022) Member of Board of Directors (2013-2016, 2019-present) Chair, Strategy Committee (2019-2020) Member, KCI Design Code Committee (2016-present) Associate Editor, KCI Magazine (2013-2014) Representative Member (2009-present) Secretary, KIC ISO Committee SC4 (2009-present) Secretary, KCI Journal Editorial Board (2009-2010) Member of Board of Directors, KCI Journal Editorial Board (2007-2012)
1999 – present	Member, Korean Society of Civil Engineers (KSCE) Chair, KSCE Mid- and Long- Term Strategy Committee, (2026-present) Chair, CECAR10 Local Organizing Committee (LOC) (2025-present) Vice-President (in charge of international) (2024) Vice-President (in charge of planning) (2023) Chair, Planning Committee (2022-present) Chair, KSCE Convention Organizing Committee (2021) Council Member (2020-present) Chair, Civil Engineer's Day Organizing Committee (2018) Member of Board of Directors (2016-present) Chair, International Affairs Committee (2016-2017) Associate Editor, KSCE J. of Civil Engr. (2009-2020) KSCE Convention Organizing Committee Member (2008, 2009, 2011, 2012, 2014, 2015, 2016, 2017) Subcommittee Chair (2013, 2016, 2017, 2021) KSCE Magazine Editorial Board (2013-2014)
1992	FE, Korea Civil Engineering

7. PUBLIC SERVICES

2026 - present	Senior Director of Korea Construction Engineering and Transport Development Collaboratory Management Institute (KOCED)
2026 - present	Member of Fiscal Project Outcome Evaluation Committee, Ministry of Planning and Budget
2025 - present	Civilian Member of Fiscal Project Evaluation Committee, Ministry of Economy and finance
2025 – present	Civilian Member of Evaluation of National Land Plans Subcommittee, 7 th National Land Policy Committee under the Prime Minister
2024 – present	Member of Field Planning Advisory Committee, Basic Research in Science & Engineering Headquarter, National Research Foundation of Korea (NRF)

2023 – present	Expert Committee Member in fields of Construction/Transportation/Structures/ Material, Division of Engineering, Basic Research in Science & Engineering Headquarter, National Research Foundation of Korea (NRF)
2023 – present	Member of Business Management Committee, Ministry of Science and ICT, National research Facilities & Equipment Center
2023 – present	Member of Republic of Korea Airforce (ROKAF) Policy Development Advisory Committee
2022 – present	Member of Research Advisory Committee, The Seoul Institute
2021 – present	Member of Construction Standards Committee, Korea Construction Standards Center
2017 – present	Member of the National Standard (KS) Technology Council for Construction, Ministry of Land, Infrastructures and Transport
2014 – 2015	Member of Public Debate Committee of Spent Nuclear Fuel, Prime Minister’s office
2014	Member of The Four Major Rivers Project Inspection Research Organization, Prime Minister’s office
2013	Member of Recruitment Committee of Legislative Research Office, Korea National Assembly
2011 – 2012	Member of Civil Engr. Tech. Advisory Committee, Korea National Assembly
2008 – 2009	Member of Professional Advisory Committee of Urban Infrastructure Headquarters, Seoul Metropolitan Government

8. INTERNATIONAL REVIEW AND CONFERENCE ACTIVITIES

Paper Reviews	ACI Materials Journal, ACI Structural Journal, ASCE Journal of Structural Engineering, Engineering Structures, Journal of Building Engineering, International Journal of Concrete Structures and Materials, Construction and Building Materials, Cement and Concrete Composite, KSCE Journal of Civil Engineering - over 30 papers
Editorial Board	KSCE Journal of Civil Engineering (2009-2020) International Journal of Concrete Structures and Materials (2021-present)
Member of SC/OC	International Association of Bridge and Structural Engineers (IABSE) Symposium, Vancouver, Canada, 2017; Structural Mechanics in Reactor Technology (SMiRT 24), Busan, Korea, 2016; Civil Engineering Conference in the Asian Region (CECAR 7), Hawaii, the United States, 2016; International Corrosion Congress, Jeju, Korea, 2014; International Conference on Computational & Experimental Engineering and Sciences (ICCES14), Changwon, Korea, 2014; International Association of Bridge and Structural Engineers (IABSE) 18th Congress, Seoul, Korea, 2012; KCI-JCI-TCI Trilateral Symposium, Seoul, Korea, 2009; International Conference on Bridge Maintenance, Safety and Management (IABMAS’08), Seoul, Korea, 2008;

9. AWARDS AND HONORS

2023	KCI Moon Ho Academic Award
2025, 2022	Best Paper Award (at KSCE Conference)
2020	KCI International Activity Award
2019	KSCE Academic Award
2018	ACI Chester Paul Siess Award
2017	Sinyang Outstanding Young Professor Award, SNU
2017	Commendation from MOLIT Minister
2016	KCI Best Journal Paper Award
2025, 2022, 2021,	Best Paper Award (at KCI Annual Conference)

2019, 2018, 2016, 2015, 2002	
2025, 2024, 2023	Best Paper Award (at KIBSE Conference)
2015	
2014	3 rd place at Structural Test Contest (from KAIA)
2014	Best Paper Award (at ACF Conference)
2003	Post-Doc Fellowship (from KOSEF)
2000	Post-Graduate Scholarship (from Seoul Nat'l Univ. Alumni)
1996, 1995	Graduate Scholarship (from Seoul Nat'l Univ. Alumni)
1993	Teaching Assistant Scholarship (from Seoul Nat'l Univ.)
1990	Undergraduate Scholarship (from Seoul Nat'l Univ.)

10. TECHNICAL PUBLICATIONS

Refereed Papers (underlined is corresponding author)

1. B.-H. Oh, J.-Y. Cho, D.-O. Kang, "Structural Behavior of RC Beams Strengthened with Steel Plates", *Journal of the Korea Concrete Institute*, 9-5: 233-244, Oct. 1997. (in Korean)
2. B.-H. Oh, J.-Y. Cho, D.-O. Kang, "Prediction of Separation Load and Failure Mechanism of Reinforced Concrete Beams Strengthened with Steel Plates", *Journal of the Korea Concrete Institute*, 9-6: 243-254, Dec. 1997. (in Korean)
3. B.-H. Oh, J.-Y. Cho, H.-K. Song, "An Experimental Study on the Effects of Early-age Vibrations for Properties of Concrete", *Journal of the Korea Concrete Institute*, 10-5: 81-87, Oct. 1998. (in Korean)
4. J.-Y. Cho, "Behavior and Analysis of R/C Beams Strengthened with Externally Bonded Plates for Flexure and Shear", *KSCE, Journal of Civil Engineering*, 2001.
5. B.-H. Oh, J.-Y. Cho, S.-W. Cha, "Failure Behavior and Separation Criterion for Strengthened Concrete Members with Steel Plates", *Journal of the Korea Concrete Institute*, 14-1: 126-135, Feb. 2002. (in Korean)
6. **B.-H. Oh, J.-Y. Cho, S.-W. Cha**, "Static and Fatigue Behavior of RC Beams Strengthened with Steel Plates", *International Journal of Concrete Structures and Materials*, 14-1: 51-60, Mar. 2002.
7. J.-Y. Cho, N.-S. Kim, N.-S. Cho, I.-K. Choi, "Cracking Behavior of the Containment Wall of Nuclear Power Plant Reactor", *Journal of the Korea Concrete Institute*, 15-1: 60-68, Feb. 2003. (in Korean)
8. J.-Y. Cho, N.-S. Kim, N.-S. Cho, Y.-S. Choun, "Constitutive Law of Reinforced Concrete Subjected to Biaxial Tension", *Journal of the Korea Concrete Institute*, 15-1: 69-77, Feb. 2003. (in Korean)
9. **B.-H. Oh, J.-Y. Cho, D.-G. Park**, "Static and Fatigue Behavior of RC Beams Strengthened with Steel Plates for Flexure", *ASCE, Journal of Structural Engineering*, 129-4: 527-535, Apr. 2003.
10. **B.-H. Oh, J.-Y. Cho, D.-G. Park**, "Failure Behavior and Separation Criterion for Strengthened Concrete Members with Steel Plates", *ASCE, Journal of Structural Engineering*, 129-9: 1191-1198, Sep. 2003.
11. J.-Y. Cho, N.-S. Kim, N.-S. Cho, I.-K. Choi, "Cracking Behavior of Reinforced Concrete Panel Subjected to Biaxial Tension", *ACI Structural Journal*, 101-9: 76-84, Jan. 2004.
12. J.-Y. Cho, N.-S. Kim, N.-S. Cho, Y.-S. Choun, "Stress-Strain Relationship of Reinforced Concrete Subjected to Biaxial Tension", *ACI Structural Journal*, 101-2: 202-207, Mar. 2004.
13. J.-Y. Cho, J. A. Pincheira, "Inelastic Analysis of Reinforced Concrete Columns with Short Lap Splices Subjected to Reversed Cyclic Loads", *ACI Structural Journal*, 103-2: 280-290, Mar. 2006.
14. J.-B. Park, J.-I. Park, S.-P. Chang, J.-Y. Cho, "Estimation Method of Creep Coefficient in Concrete Structures", *Journal of the Korea Concrete Institute*, 21-5: 619-628, Oct. 2009. (in Korean)
15. S.-W. Choi, I.-H. Kim, J.-Y. Cho, S.-P. Chang, "An Analytical Study for Structural Behaviors of Unbonded Precast Rectangular Hollow Section Concrete Piers", *KSCE, Journal of Civil Engineering*, 30-1A: 61-69, Jan. 2010. (in Korean)

16. S.-C. Lee, **J.-Y. Cho**, B.-H. Oh, “Shear Behavior of Large-Scale Post-Tensioned Girders with Small Shear Span-Depth Ratio”, *ACI Structural Journal*, 107-2: 137-145, Mar. 2010.
17. D.K. Lee, **J.-Y. Cho**, “Similitude Law on Material Non-linearity for Seismic Performance Evaluation of RC Columns”, *Journal of the Korea Concrete Institute*, 22-3: 409-417, Jun. 2010. (in Korean)
18. S.-C. Lee, J.-H. Kim, J.-Y. Cho, **G.-J. Shin**, “Tension Stiffening of Reinforced High Performance Fiber Reinforced Cementitious Composites (HPFRCC)”, *Journal of the Korea Concrete Institute*, 22-6: 859-866, Dec. 2010. (in Korean)
19. S.-C. Lee, **J.-Y. Cho**, B.-H. Oh, “Discussion: Shear Behavior of Large-Scale Post-Tensioned Girders with Small Shear Span-Depth Ratio”, *ACI Structural Journal*, D108-S02: 116-118, Mar. 2011.
20. **K.-S. Chung**, **J.-Y. Cho**, J.-I. Park, S.-P. Chang, “Three-Dimensional Elastic Catenary Cable Element Considering Sliding Effect”, *ASCE, Journal of Engineering Mechanics*, 137-4: 276-283, Apr. 2011.
21. G.-J. Shin, J.-H. Kim, J.-Y. Cho, S.-C. Lee, “Flexural Behavior of High Performance Fiber Reinforced Cementitious Composites (HPFRCC) Beams with a Reinforcing Bar”, *Journal of the Korea Concrete Institute*, 23-2: 169-176, Apr. 2011. (in Korean)
22. S.-C. Lee, **J.-Y. Cho**, **F. J. Vecchio**, “Model for Post-Yield Tension Stiffening and Rebar Rupture in Concrete Members”, *Engineering Structures*, 33: 1723-1733, May. 2011.
23. S.-C. Lee, **J.-Y. Cho**, F. J. Vecchio, “Diverse Embedment Model for Steel Fiber Reinforced Concrete in Tension: Model Development”, *ACI Materials Journal*, 108-5: 516-525, Sep. 2011.
24. S.-C. Lee, **J.-Y. Cho**, F. J. Vecchio, “Diverse Embedment Model for Steel Fiber Reinforced Concrete in Tension: Model Verification”, *ACI Materials Journal*, 108-5: 526-535, Sep. 2011.
25. J.-B. Park, J.-I. Park, **J.-Y. Cho**, “Estimation of Error Factors in Concrete Cable-Stayed Structure with Sensitivity of Creep”, *ASCE, Journal of Structural Engineering*, 137-12: 1451-1459, Dec. 2011.
26. H. Park, Z.U. Din, **J.-Y. Cho**, “Methodological Aspects in the Measurement of Strand Transfer Length in Pretensioned Concrete”, *ACI Structural Journal*, 109-5: 625-633, Sep. 2012.
27. H. Park, J.-Y. Cho, **J.S Kim**, “Investigation on Applicability of 2,400 MPa Strand for Post-tensioned Prestressed Concrete Girders”, *Journal of the Korea Concrete Institute*, 24-6: 727-736, Dec. 2012. (in Korean)
28. B.-S. Park, S.-H. Park, **J.-Y. Cho**, “A Pre-assembly Method of Steel Reinforcement to Improve the Constructability of Pier Coping”, *Engineering Structures*, 48: 166-175, Mar. 2013.
29. S.-C. Lee, **J.-Y. Cho**, **F. J. Vecchio**, “Tension Stiffening Model for Steel Fiber Reinforced Concrete Containing Conventional Reinforcement”, *ACI Structural Journal*, 110-4: 639-648, Jul. 2013.
30. H. Park, Z.U. Din, **J.-Y. Cho**, “Discussion: Methodological Aspects in the Measurement of Strand Transfer Length in Pretensioned Concrete”, *ACI Structural Journal*, D110-S04: 703-708, Jul. 2013.
31. S.-C. Lee, **J.-Y. Cho**, F. J. Vecchio, “Simplified Diverse Embedment Model for SFRC Elements in Tension”, *ACI Materials Journal*, 110-4: 403-412, Jul. 2013.
32. B. Park, S.Y. Jang, **J.-Y. Cho**, J.Y. Kim, “A Novel Short-Term Immersion Test to Determine the Chloride Ion Diffusion Coefficient of Cementitious Materials”, *Construction and Building Materials*, 57: 169-178, Apr. 2014.
33. H. Park, **J.-Y. Cho**, “Bond-Slip-Strain Relationship in Transfer Zone of Pretensioned Concrete Elements”, *ACI Structural Journal*, 111-3: 503-513, May 2014.
34. S.-C. Lee, J.-Y. Cho, **F.J. Vecchio**, “Discussion: Tension Stiffening Model for Steel Fiber Reinforced Concrete Containing Conventional Reinforcement”, *ACI Structural Journal*, D111-S03: 717-720, May 2014.
35. S.-C. Lee, J.-H. Oh, **J.-Y. Cho**, “Fiber Orientation Factor on a Circular Cross-Section in Concrete Members”, *Journal of the Korea Concrete Institute*, 26-3: 307-313, Jun. 2014. (in Korean)
36. H. Park, **J.-Y. Cho**, “Discussion: Bond-Slip-Strain Relationship in Transfer Zone of Pretensioned Concrete Elements”, *ACI Structural Journal*, D112-2: 233-235, Mar. 2015.
37. S.-C. Lee, J.-H. Oh, **J.-Y. Cho**, “Compressive Behavior of Fiber Reinforced Concrete with End-Hooked Steel

- Fibers”, *Materials*, 8: 1442-1458, Mar. 2015.
38. P. Mahrenholtz, J.-M. Park, J.-Y. Cho, “Monotonic and Cyclic Behaviour of Isolated FRP Anchors Loaded in Shear”, *Composites Part B: Engineering*, 72: 72-79, Apr. 2015.
 39. J.-H. Cheon, D.-J. Seong, H.-J. Cho, J.-Y. Cho, H.-M. Shin, “Nonlinear Finite Element Analysis of the Reinforced Concrete Panel using High-Strength Reinforcing Bar”, *Journal of the Korea Concrete Institute*, 27-5: 481-488, Oct. 2015. (in Korean)
 40. S.-C. Lee, J.-H. Oh, J.-Y. Cho, “Fiber Orientation Factor on Rectangular Cross-Section in Concrete Members”, *International Journal of Engineering and Technology*, 7-6: 470-473, Dec. 2015.
 41. S.-C. Lee, J.-Y. Cho, F. J. Vecchio, “Analysis of Steel Fiber-Reinforced Concrete Elements Subjected to Shear”, *ACI Structural Journal*, 113-S25: 275-285, Mar. 2016.
 42. H. Park, S. Jeong, S.-C. Lee, J.-Y. Cho, “Flexural Behavior of Post-tensioned Prestressed Concrete Girders with High-Strength Strands”, *Engineering Structures*, 112: 90-99, Apr. 2016.
 43. S.-C. Lee, J.-H. Oh, J.-Y. Cho, “Fiber Efficiency in SFRC Members Subjected to Uniaxial Tension”, *Construction and Building Materials*, 113-15: 479-487, Jun. 2016.
 44. G.T. Proestos, G.-M. Bae, J.-Y. Cho, E.C. Bentz, and M. P. Collins, “Influence of High-Strength Bars on Shear Response of Containment Walls”, *ACI Structural Journal*, 113-5: 917-927, Sep. 2016.
 45. H. Park, J.-Y. Cho, “Ductility Analysis of PSC Members with High-Strength Strands and Code Implication”, *ACI Structural Journal*, 114-2: 407-415, Mar. 2017.
 46. D.U. Park, B.G. Jeon, N.S. Kim, J.-M. Park, J.-Y. Cho, “Fragility Analysis of A Scaled Model of Reinforced Concrete Column in Accordance with Similitude Law”, *Journal of the Earthquake Engineering Society of Korea*, 21-2: 87-93, Mar. 2017. (in Korean)
 47. J.-H. Park, H. Park, J.-Y. Cho, “Prediction of Stress in Bonded Strands at Flexural Strength”, *ACI Structural Journal*, 114-3: 697-705, May. 2017.
 48. S. Lee, K.-M. Kim, J.-M. Park, J.-Y. Cho, “Pure Rate Effect on the Concrete Compressive Strength in the Split Hopkinson Pressure Bar Test”, *International Journal of Impact Engineering*, 113: 191-202, Mar. 2018.
 49. M. Kim, J.-Y. Cho, H.-J. Lee, “Minimum Reinforcement Specifications for Flexural Reinforcement Concrete Members”, *Journal of the Korea Concrete Institute*, 30-2: 179-187, Apr. 2018. (in Korean)
 50. K.-M. Kim, S. Lee, J.-Y. Cho, “Effect of Maximum Coarse Aggregate Size on Dynamic Compressive Strength of High-strength Concrete”, *International Journal of Impact Engineering*, 125: 107-116, Mar. 2019.
 51. J.-H. Lee, J.-Y. Cho, “Analysis of Safety Evaluation Guidelines for Practical Maintenance of Existing Concrete Structures”, *LHI Journal*, 11-3: 83-92, Oct. 2020. (in Korean)
 52. S. Lee, C. Kim, Y. Yu, J.-Y. Cho, “Effect of Reinforcing Steel on the Impact Resistance of Reinforced Concrete Panel Subjected to Hard-Projectile Impact”, *International Journal of Impact Engineering*, 148: 103762, Feb. 2021.
 53. Y. Yu, S. Lee, J.-Y. Cho, “Deflection of Reinforced Concrete Beam Under Low-Velocity Impact Loads”, *International Journal of Impact Engineering*, 154: 103878, Aug. 2021.
 54. K.-M. Kim, S. Lee, J.-Y. Cho, “Influence of Friction on the Dynamic Increase Factor of Concrete Compressive Strength in a Split Hopkinson Pressure Bar Test”, *Cement and Concrete Composites*, 129: 104517, May. 2022.
 55. H.-W. Noh, V.D. Truong, J.-Y. Cho, D.-J. Kim. “Dynamic Increase Factors for Fiber-Reinforced Cement Composites: A Review”, *Journal of Building Engineering*, 56: 104749, Sep. 2022.
 56. J.-H. Park, S.-C. Lee, J.-Y. Cho, “Scaled Model Test for Efficient Arrangement of Steel Reinforcement in Bridge Pier Caps”, *Journal of Bridge Engineering*, 27-9: 04022072, Sep. 2022.
 57. Y. Yu, S. Lee, H. Ahn, J.-Y. Cho, “Residual Performance of Reinforced Concrete Beams Damaged by Low-Velocity Impact Loading”, *ASCE, Journal of Structural Engineering*, 149(3): 04022267, Mar. 2023.
 58. J.-H. Park, S.-C. Lee, J.-Y. Cho, “Influence of Sectional Depth on Structural Behavior of Bridge Pier Caps”

ASCE, Journal of Bridge Engineering, 28-7: 04023036, Apr. 2023.

59. K.-M. Kim, S. Lee, Y. Yu, J. -Y. Cho, "Requirements of specimen dimension considering maximum coarse aggregate size for concrete split Hopkinson pressure bar test", *Construction and Building Materials*, 383: 131359, Jun. 2023.
60. H.-W. Noh, S. Lee, J.-Y. Cho, D. J. Kim, "Investigating Dynamic Compressive Strength of Concrete by Using High-Rate Hydraulic Universal Testing Machine", *Construction and Building Materials*, 411: 134402, Jan. 2024.
61. S. Lee, H.S. Lee, K.-M. Kim, Y. Yu, J.-Y. Cho, "Strain-Rate Effect on the Bond Strength between Concrete and Reinforcing Bars in Dynamic Pull-out Tests", *Engineering Structures*, 303: 117498, Mar. 2024.
62. S. Lee, K.-M. Kim, H. Ahn, Y. Yu, J.-Y. Cho, "Dynamic Increase Factor of Concrete Compressive Strength in Confined Split Hopkinson Pressure Bar Tests", *Construction and Building Materials*, 441:137535, Aug. 2024.
63. N. Oh, J. Ye, H. Ahn, J.-Y. Cho, "Material Modeling for Concrete Structures Subjected to High Strain Rate Deformation", *ACI, Special Publication on Modeling and Performance Assessment of Concrete Structures*, 365: 50-78, Mar. 2025.
64. H. Ahn, B.-K. Chun, J. Ye, Y. Yu, D.-Y. Yoo, J.-Y. Cho, "Guidelines for Measuring Impact Forces in Drop-Weight Impact Test on Concrete Members", *Measurement*, 253:117601, Apr. 2025.
65. J.-M. Park, S.-C. Lee, Y. Chae, J.-Y. Cho, "A New Similitude Law for Testing Scaled RC Structures", *Scientific Reports*, 15-1: 22037, Jul. 2025.
66. B.-K. Chun, H. Ahn, J.-Y. Cho, D.-Y. Yoo, "Enhancement of flexural performance of RC slabs under impact loading using ultra-high-performance fiber-reinforced concrete", *Journal of Building Engineering*, 111:113378, Oct. 2025.
67. H. Ahn, K.-M. Kim, S. Lee, Y. Yu, J.-Y. Cho, "Dynamic Behaviors of Concrete and Mortar Specimens under the High-Rate Loading: Material- and Member-level Investigations", *Journal of Building Engineering*, 113:114111, Nov. 2025.
68. H. Ahn, J.-H. Park, Y. Yu, J.-Y. Cho, "Flexural Behavior of Curved-Bolt Jointed Tunnel Segments under Combined Axial Force and Bending Moments", *International Journal of Concrete Structures and Materials*, 19:115, Nov. 2025.
69. J.-L. An, J.-Y. Cho, J. Choi, "Influence of Combined Freeze-thaw Cycles and Seawater Saturation on the Flexure Behavior of Reinforced Concrete Beams", *Structures*, 82:110677, Dec. 2025.
70. H. Ahn, Y. Yu, S. Lee, J.-Y. Cho, "Machine Learning Model Incorporating Domain Knowledge for Predicting Maximum Deflection of Reinforced Concrete Beams under Low-Velocity Impact", *International Journal of Impact Engineering*, 207:105483, Jan. 2026.
71. J. Ye, H. Ahn, Y. Yu, J.-Y. Cho, "Influence of Rebar Configuration and Steel Liner Detailing on the Local Impact Response of Reinforced Concrete Panels", *International Journal of Impact Engineering*, 208:105554, Feb. 2026.
72. H. Ahn, S. Lee, J. Ye, Y. Yu, J.-Y. Cho, "Dynamic Tensile Behavior of Reinforcing Steel Subjected to High Rate Loadings", in preparation.
73. J.-H. Lee, M. Kim, J.-Y. Cho, "Efficacy of Safety Assessment Practice in Korea for an Existing Concrete Bridge: Experimental Analysis on Decommissioned Members", in preparation.
74. J.-H. Lee, M. Kim, J.-Y. Cho, "Structural Capacity of the Aged Concrete Bridges Based on Tests with Decommissioned Bridge Members", in preparation.
75. J.-H. Lee, M. Kim, J.-Y. Cho, "Verification of the Concrete Bridge Evaluation Efficiency in Korea", in preparation.

Conference Proceedings

1. B.-H. Oh, J.-Y. Cho, S.-H. Han, S.-G. Lee, "The Residual Strength of Concrete Exposed to High Temperature", *Proceedings of the Korean Society of Civil Engineers*, 461-464, 1994.
2. B.-H. Oh, J.-Y. Cho, S.-H. Han, "An Experimental Study on the Residual Compressive Strength Characteristics of Concrete Exposed to High Temperature", *Proceedings of the Korea Concrete Institute*, 6-2: 285-290, 1994.
3. B.-H. Oh, J.-Y. Cho, S.-H. Han, "Effects of High Temperature on the Compressive Strength of Concrete", *Proceedings of Korea Nuclear Society*, 1995.
4. B.-H. Oh, J.-Y. Cho, B.-C. Lee, I.-H. Yang, S.-W. Yoo, "Mechanical Behavior of Fiber Reinforced Polymer Concrete", *Proceedings of KSCM & KFS-3 on Textile Composites in Building Construction*, Seoul, Korea, Nov.7-9, 1996.
5. B.-H. Oh, J.-Y. Cho, S.-W. Cha, D.-O. Kang, "A Basic Study on Structural Behavior of Strengthened RC beams", *Proceedings of the Korea Concrete Institute*, 8-1: 258-263, 1996.
6. B.-H. Oh, J.-Y. Cho, D.-O. Kang, "Structural Behavior of Strengthened RC Beams", *Proceedings of the Korea Concrete Institute*, 8-2: 501-507, 1996.
7. B.-H. Oh, J.-Y. Cho, D.-O. Kang, "A Study on the Evaluation of Separation Load of Steel Plated RC Beams", *Proceedings of Korea Institute for Structural Maintenance Inspection*, 1-1: 209-214, 1997.
8. B.-H. Oh, J.-Y. Cho, D.-O. Kang, S.-T. Chai, M.-G. Lee, "Structural Behavior of Steel Plated Reinforced Concrete Beams", *Proceedings of the Korea Concrete Institute*, 9-1: 598-604, 1997.
9. B.-H. Oh, S.-H. Han, Y. Yoo, J.-Y. Cho, "Shear Damage Behavior of Reinforced Concrete Beams under Repetitive Fatigue Loadings", *Proceedings of the Korea Concrete Institute*, 9-2: 633-638, 1997.
10. B.-H. Oh, J.-Y. Cho, H.-G. Song, "A Study on the Effects of Vibration on the Curing Concrete", *Proceedings of the Korea Concrete Institute*, 10-1: 531-537, 1998.
11. B.-H. Oh, J.-Y. Cho, H.-G. Song, "Effects of Vibration on Curing Concrete", *Proceedings of Korea Institute for Structural Maintenance Inspection*, 2-1: 315-320, 1998.
12. S.-H. Han, J.-Y. Cho, H.-J. Lee, B.-H. Oh, "Methodological Effects on the Flexural Toughness of Steel Fiber Reinforced Concrete", *Proceedings of the Korea Concrete Institute*, 10-2: 380-385, 1998.
13. B.-H. Oh, J.-Y. Cho, D.-G. Park, "Derivation of Plate Separation Criteria for Reinforced Concrete Members Strengthened with Steel Plates", *Proceedings of the Korea Concrete Institute*, 12-1: 745-750, 2000.
14. J.-Y. Cho, N.-S. Cho, E.-S. Koo, N.-S. Kim, Y.-S. Choun, "Behavior and Stress-Strain of RC & PSC Shell Members Subjected to Biaxial Tension", *Proceedings of the Korean Society of Civil Engineers*, 1-4, 2001.
15. J.-Y. Cho, N.-S. Cho, E.-S. Koo, N.-S. Kim, Y.-S. Choun, "Cracking Behavior of RC Panel Subjected to Biaxial Tension", *Proceedings of the Korea Concrete Institute*, 14-1: 475-480, 2002.
16. J.-Y. Cho, N.-S. Cho, N.-S. Kim, Y.-S. Choun, J.-M. Seo, "Biaxial Tension Behavior of Concrete Containment Wall", *Proceedings of Korea Nuclear Society*, 2002.
17. **B.-H. Oh, J.-Y. Cho, D.-G. Park, "Flexural Behavior of Reinforced Concrete Beams Strengthened with Steel Plates", *Proceedings of the 6th CANMET-ACI International Conference*, Thessaloniki, Greece, 2003.**
18. **J.-Y. Cho, N.-S. Cho, N.-S. Kim, Y.-S. Choun, "Stress-Strain Relationship of Reinforced Concrete Subjected to Biaxial Tension", *Proceedings of 17th International Conference on Structural Mechanics in Reactor Technology*, SMiRT, Prague, Czech Republic, 2003.**
19. **J.-Y. Cho, J. A. Pincheira, "Nonlinear Modeling of RC Columns with Short Lap Splices", *Proceedings of 13th World Conference on Earthquake Engineering*, 13WCEE, Vancouver, Canada, 2004.**
20. **H. A. Pekoz, J.-Y. Cho, J. A. Pincheira, "Modeling and Analysis of a Non-ductile RC Building", *ACI Fall Convention*, San Francisco, 2004.**
21. J.-Y. Cho, J. A. Pincheira, "Nonlinear Modeling of RC Columns with Short Lap Splices Subjected to Reversed Cyclic Loads", *Proceedings of the Korean Society of Civil Engineers*, 532-535, 2005.

22. **J. A. Pincheira, J.-Y. Cho, “A Nonlinear Model for the Seismic Assessment of RC Columns with Short Lap Splices”, *Proceedings of the First NEES/E-Defense Workshop on Collapse Simulation of Reinforced Concrete Building Structures*, California, 139-151, 2005.**
23. J.-Y. Cho, J. A. Pincheira, “Calculation of Rebar Stress at Splice Failure of RC Columns”, *Proceedings of the Korea Concrete Institute*, 18-1: 446-449, 2006.
24. S.-I. Kim, J.-Y. Cho, I.-H. Yeo, H.-U. Lee, C.-S. Bang, “Dynamic Experiments of the Incrementally Prestressed Concrete Girder Railway Bridge for Evaluation of Natural Frequencies and Damping Ratios”, *Proceedings of the Korea Concrete Institute*, 18-1: 98-101, 2006.
25. **S.-I. Kim, J.-Y. Cho, N.-S. Cho, N.-S. Kim, H.-U. Lee, “Investigation of Dynamic Performance of Railway Bridges under Moving Trail Load Using Experimental Load Parameters”, *Proceedings of International Conference on Bridge Engineering*, Hongkong, 2006.**
26. J.-Y. Cho, “Evaluation of Rebar Stress at Splice Failure in ASCE/SEI 41-06”, *Proceedings of the Korea Concrete Institute*, 19-2: 137-140, 2007.
27. J.-Y. Cho, D.K. Lee, “Similitude Laws for Reduced Reduced-Size Model Test”, *Proceedings of Earthquake Engineering Society of Korea*, 90-102, 2008.
28. Zia Ud Din, B.-S. Park, J.-Y. Cho, “Assessment of Parameters on Transfer Length of Pre-tensioning Tendon”, *Proceedings of the Korean Society of Civil Engineers*, 445-448, 2008.
29. G.-H. Hong, S.-Y. Tak, J.-Y. Cho, J.-H. Lee, “An Experimental Study on the Flexural Capacity of RC Beams with High-Strength Reinforcement”, *Proceedings of the Korea Concrete Institute*, 20-2: 289-292, 2008.
30. D.-G. Park, J.-Y. Cho, S.-H. Park, “Influence of Ductility of Reinforcement on the Plastic Hinge Formation”, *Proceedings of the Korea Concrete Institute*, 20-2: 97-100, 2008.
31. S.-W. Choi, I.-H. Kim, J.-Y. Cho, D.K. Lee, “An Analytical Study for Unbonded Precast Column under Seismic Loading”, *Proceedings of the Korea Concrete Institute*, 20-2: 109-112, 2008.
32. S.-C. Lee, B.-S. Park, J.-Y. Cho, W. Kim, “Arch Action in Simply Supported RC Beams Applied by Distributed Loads”, *Proceedings of the Korea Concrete Institute*, 20-2: 181-184, 2008.
33. J.-B. Park, J.-Y. Cho, B.-S. Park, “Estimation of Creep Coefficient in Reinforced Concrete Beam”, *Proceedings of the Korea Concrete Institute*, 20-2: 245-248, 2008.
34. S.-C. Lee, J.-Y. Cho, W. Kim, B.-S. Park, “Shear Compatibility Condition with Arch Action in Simply Supported RC Beam”, *Proceedings of the Korea Concrete Institute*, 20-2: 847-850, 2008.
35. S.-J. Jeon, I.-K. Park, K.-S. Kim, M.-S. Lee, J.-Y. Cho, C.-M. Park, “Evaluation of Friction Coefficients of Prestressing Tendon Using Field Data”, *Proceedings of the Korea Concrete Institute*, 20-2: 297-300, 2008.
36. S.-H. Park, J.-Y. Cho, Y.-J. Kim, W.-S. Shin, “A Method to Reduce Reinforcements Embedded in Coping of Concrete Piers”, *Proceedings of the Korea Concrete Institute*, 21-1: 121-122, 2009.
37. B.-S. Park, J.-Y. Cho, J.-B. Park, “Nonlinear Analysis Method for Reinforced Concrete Members Using Fiber Element”, *Proceedings of the Korea Concrete Institute*, 21-1: 201-202, 2009.
38. J.-B. Park, J.-Y. Cho, J.-I. Park, S.-P. Chang, “Estimation of Error Factors in Concrete Cable-Stayed Bridge Considering Creep”, *Proceedings of the Korea Concrete Institute*, 21-1: 387-388, 2009.
39. D.K. Lee, J.-Y. Cho, “Similitude Law on Small Scaled RC Model for Seismic Performance Evaluation Tests”, *Proceedings of the Korea Concrete Institute*, 21-1: 455-456, 2009.
40. H. Park, J.-Y. Cho, Zia Ud Din, K.-Y. Choi, J.-S. Lee, “Factors Affecting Transfer Length of Pre-tensioning Tendon”, *Proceedings of the Korea Concrete Institute*, 21-1: 583-584, 2009.
41. **K.-S. Chung, J.-Y. Cho, J.-I. Park, H. Park, H.-K. Kim, S.-P. Chang, “Analysis of Cable Supported Structure Considering Cable Sliding”, *Proceedings of 33rd IABSE 2009 Symposium*, Bangkok, Thailand, 2009. (Refereed by abstract)**
42. H. Park, Zia Ud Din, J.-Y. Cho, J.-S. Lee, “Measurement Method for Transfer Length of Pre-tensioned Concrete”,

Proceedings of the Korean Society of Civil Engineers, 405-408, 2009.

43. Zia Ud Din, H. Park, J.-Y. Cho, G.-Y. Choi, "A Study of Transfer Length and Transfer Bond Performance in Pre-tensioned Members", *Proceedings of the Korean Society of Civil Engineers*, 409-412, 2009.
44. **J.-B. Park, H. Park, J.-Y. Cho, "Estimation of Creep Coefficient in Concrete Structures Using the Measured Displacements", 2010 fib-PCI, Washington DC, USA, 2010. (Refereed by abstract)**
45. **S.-W. Cha, K.-H. Kim, J.-Y. Cho, "Deterministic and Probabilistic Durability Design Methods and Their Application to Super Long Span Bridges", IABMAS 2010, Philadelphia, USA, 2010.**
46. B.-S. Park, J.-Y. Cho, M.-Y. Han, "Dynamic Test and Analysis of Multilevel Post-tensioned PSC Girder with Holed Web", *Proceedings of the Korea Concrete Institute*, 22-1: 11-12, 2010.
47. D.K. Lee, J.-H. Oh, J.-Y. Cho, "Similitude Law on Material Non-linearity for Seismic Performance Evaluation of RC columns", *Proceedings of the Korea Concrete Institute*, 22-1: 119-120, 2010.
48. **B. Park, J. Y. Kim, J.-Y. Cho, "Development of a New Method to Estimate Diffusion of Chloride in Concrete Specimen", CECAR 5 & ASEC 2010, Sydney, Australia, 2010.**
49. B.-S. Park, J.-Y. Cho, J. Y. Kim, "Development of a New Method to Estimate Coefficient of Diffusion Using of NaCl", *Proceedings of the Korean Society of Civil Engineers*, 2634-2637, 2010.
50. S.-C. Lee, H. Park, J.-Y. Cho, "Development of Analytical Model for Steel Fiber Reinforced Concrete under Axial Tension", *Proceedings of the Korea Concrete Institute*, 23-1: 669-670, 2011.
51. J.-H. Oh, D.-H. Min, S.-C. Lee, J.-Y. Cho, "Experimental Study on Steel Fiber Reinforced Concrete in Subjected to Monotonic Uniaxial Load", *Proceedings of the Korea Concrete Institute*, 23-1: 673-674, 2011.
52. B.-S. Park, J.-W. Seok, J.-Y. Cho, "Development of a New Method to Estimate Diffusion Coefficient of Chloride Ions for Concrete Durability Design", *Proceedings of the Korea Concrete Institute*, 23-1: 583-584, 2011.
53. B.-S. Park, S.-H. Park, W.-S. Shin, G.-M. Bae, B.-H. Lee, J.-Y. Cho, "Small Scale Model Tests for Safety Assessment of Pier Coping Pre-assembly Method", *Proceedings of the Korea Concrete Institute*, 23-1: 755-756, 2011.
54. J.-M. Park, J.-W. Seok, J.-Y. Cho, "Reliability-Based Design Optimization of PSC Girders Using Optimized Objective Reliability Index", *Proceedings of the Korea Concrete Institute*, 23-1: 41-42, 2011.
55. B.-S. Park, S.-H. Park, W.-S. Shin, J.-Y. Cho, "Safety Assessment of RC Pier Coping According to Modification of Rebar Arrangement", *Proceedings of the Korean Society for Railway*, 2011.
56. **S.-C. Lee, D.-H. Min, J.-Y. Cho, F. J. Vecchio, "Model for Steel Fiber Reinforced Concrete in Tension Considering Random Distribution of Fibers", 9th Symposium on High Performance Concrete; Design, Verification & Utilization, Rotorua, New Zealand, 2011.**
57. B.-S. Park, S.-H. Park, J.-Y. Cho, "Reduction of Reinforcement Amount of Pier Coping Using Strut-Tie Model", *Proceedings of the Korean Society of Civil Engineers*, 2011.
58. B.-S. Park, S.-H. Park, J.-Y. Cho, "Improvement of Constructability of Coping by Reduction of Reinforcement Amount", *Proceedings of the Korean Society for Railway*, 2011.
59. **S.-C. Lee, J.-Y. Cho, F. J. Vecchio, "Tension Stiffening Behavior of Steel Fiber Reinforcement Concrete with Conventional Rebar", ACI Fall Convention, Cincinnati, USA, 2011.**
60. B.-S. Park, J.-Y. Cho, "A New Experimental and Analytical Method for Estimation of Chloride Ion Diffusion Coefficient", *Proceedings of the Korea Concrete Institute*, 23-2: 163-164, 2011.
61. J.-H. Oh, D.-H. Min, S.-C. Lee, J.-Y. Cho, "Prediction for Compressive Behavior of Steel Fiber Reinforced Concrete", *Proceedings of the Korea Concrete Institute*, 23-2: 147-148, 2011.
62. J.-H. Oh, S.-C. Lee, J.-Y. Cho, "Prediction for Tensile Behavior of Steel Reinforced Concrete Considering Fiber Efficiency", *Proceedings of the Korea Concrete Institute*, 23-2: 111-112, 2011.
63. H. Park, J.-Y. Cho, B.-S. Park, "Bond-Slip-Strain Relationship in Transfer Region of Pretensioned Prestressed Concrete Member", *Proceedings of the Korea Concrete Institute*, 24-1: 9-10, 2012.

64. D.-H. Min, J.-M. Park, S.-C. Lee, J.-Y. Cho, "Steel Fiber Reinforced Concrete under Uniaxial Cyclic Tension", *Proceedings of the Korea Concrete Institute*, 24-1: 617-618, 2012.
65. B.-H. Lee, B.-S. Park, S.-C. Lee, J.-Y. Cho, "Behavior of Steel Fiber Reinforced Concrete with Steel Reinforcement (R/FRC) under Cyclic Tension", *Proceedings of the Korea Concrete Institute*, 24-1: 627-628, 2012.
66. H. Park, J.-Y. Cho, "Flexural Analysis of Post-tensioned Prestressed Concrete Beam with 2,160MPa and 2,400MPa Prestressing Strands", *Proceedings of the Korean Society for Railway*, 2012.
67. S.-C. Lee, J.-H. Oh, D.-H. Min, J.-Y. Cho, "Monotonic and Cyclic Tensile Behaviour of Steel Fibre Reinforced Concrete", *fib Symposium*, Stockholm, Sweden, 2012.
68. H. Park, J.-Y. Cho, Zia Ud Din, K.-Y. Choi, J.-S. Lee, "Transfer Bond-Slip-Strain Relationship of Prestressing Strand in Pretensioned Prestressed Concrete Members", *Bond in Concrete*, 4th International Symposium, Brescia, Italy, 2012.
69. B.-S. Park, J.-W. Seok, J.-M. Park, J.-Y. Cho, J.-Y. Kim, "Estimation of Diffusion Coefficient of Chloride Ions for Concrete Durability Design", *IABMAS 2012, 6th International Conference on Bridge Maintenance, Safety and Management*, Stresa, Italy, 2012.
70. S.-C. Lee, J.-Y. Cho, F. J. Vecchio, "Constitutive Models for Steel Fibre Reinforced Concrete Members", *Proceedings of 18th IABSE 2012 Congress*, Seoul, Republic of Korea, 2012.
71. S.-C. Lee, J.-Y. Cho, F. J. Vecchio, "Models for the Structural Behavior of Steel Fiber Reinforced Concrete Members", *ACI Fall Convention*, Toronto, Canada, 2012.
72. B.-H. Lee, J.-M. Park, B. Park, S.-C. Lee, J.-Y. Cho, "Steel Fiber Concrete with a Conventional Reinforcement Subjected to Monotonic and Cyclic Tension", *Proceedings of the Korean Society of Civil Engineers*, 104-107, 2012.
73. J.-W. Seok, Y. Yu, B.-S. Park, J.-Y. Cho, "Estimation of Chloride Ion Diffusion Coefficient from Change of Concentration", *Proceedings of the Korean Society of Civil Engineers*, 2413-2416, 2012.
74. B.-H. Lee, S.-C. Lee, J.-Y. Cho, "Behavior of Spirally Reinforcement Steel Fiber Reinforced Concrete under Compression", *Proceedings of the Korea Concrete Institute*, 24-2: 7-8, 2012.
75. B.-S. Park, J.-W. Seok, J.-Y. Cho, "Verification of Chloride Ion Diffusion Coefficient Estimated by Chloride Ion Concentration Change in Source Solution", *Proceedings of the Korea Concrete Institute*, 24-2: 661-662, 2012.
76. J.-S. Park, Y.-J. Kim, M.-S. Keum, J.-Y. Cho, "Flexural Capacity of PSC Girder with High Strength Strand according to Concrete Strength", *Proceedings of the Korea Concrete Institute*, 24-2: 87-88, 2012.
77. S.-C. Lee, J.-Y. Cho, F. J. Vecchio, "Constitutive Model for Steel Fiber Reinforced Concrete in Tension", *VIII International Conference on Fracture Mechanics of Concrete and Concrete Structures, FraMCoS-8*, Toledo, Spain, 2013.
78. H. Park, Y.-H. Jeong, J.-Y. Cho, J.-S. Kim, J.-S. Park, Y.-J. Kim, "A Study on Flexural Performance of Posttensioned PSC Members with High-Strength Strands", *Proceedings of the Korea Concrete Institute*, 25-1: 9-10, 2013.
79. B.-H. Lee, J.-M. Park, B.-S. Park, S.-C. Lee, J.-Y. Cho, "Model for Compressive Behavior of Confined Steel Fiber Concrete", *Proceedings of the Korea Concrete Institute*, 25-1: 365-366, 2013.
80. S.-C. Lee, J.-Y. Cho, "Fiber Orientation Factor on a Rectangular Section in FRC Members", *Proceedings of the Korea Concrete Institute*, 25-1: 373-374, 2013.
81. G.-M. Bae, J.-Y. Cho, "In-Plane Shear Behavior of Concrete Panel Reinforced with High Strength Rebars", *Proceedings of the Korea Concrete Institute*, 25-1: 611-612, 2013.
82. G.-M. Bae, G. T. Proestos, S.-C. Lee, E. C. Bentz, M. P. Collins, J.-Y. Cho, "In-Plane Shear Behavior of Nuclear Power Plant Wall Elements with High-Strength Reinforcing Bars", *Transactions of SMiRT-22*, San Francisco, USA, 2013.
83. J.-Y. Song, K.-Y. Choi, W.-S. Lee, J.-Y. Cho, "Design and Construction of Long Span High Speed Railway Arch Bridge – Keumgang Bridge", *7th International Conference on Arch Bridges*, ARCH 2013, Split, Croatia, 2013.

84. G.-M. Bae, S.-C. Lee, J.-Y. Cho, "Shear Behavior of Reinforced Concrete Panel with High Strength Materials", *Proceedings of the Korea Concrete Institute*, 25-2: 449-450, 2013.
85. J.-M. Park, B.-S. Park, J.-Y. Cho, "Dynamic Analysis of RC Column Using Similitude Law Considering Concrete Nonlinearity", *Proceedings of the Korea Concrete Institute*, 25-2: 517-518, 2013.
86. Y.-H. Jeong, H. Park, J.-Y. Cho, "Investigation on Flexural Behavior of Posttensioned Prestressed Concrete Girders with High Strength PS Strand", *Proceedings of the Korea Concrete Institute*, 25-2: 609-610, 2013.
87. B.-H. Lee, B.-S. Park, S.-C. Lee, J.-Y. Cho, "Structural Analysis of Steel Fiber Reinforced Concrete Columns under Reversed Cyclic Load", *Proceedings of the Korea Concrete Institute*, 25-2: 777-778, 2013.
88. B.-H. Lee, B.-S. Park, S.-C. Lee, J.-Y. Cho, "Structural Analysis of Steel Fiber Reinforced Concrete beams under Shear loading", *Proceedings of the Korean Society of Civil Engineers*, 196, 2013.
89. Y.-H. Jeong, H. Park, Y. Yu, J.-Y. Cho, "Investigation on Flexural Behavior of Posttensioned Prestressed Concrete Girders with Different Tensile Strengths of PS Strand", *Proceedings of the Korean Society of Civil Engineers*, 197-200, 2013.
90. G.-M. Bae, J.-Y. Cho, "Shear Behavior of Reinforced Concrete Nuclear Power Plant Wall Elements with High Strength Rebars", *Proceedings of the Korean Society of Civil Engineers*, 208-211, 2013.
91. J.-M. Park, J.-H. Park, J.-Y. Cho, "Similitude Law Considering Concrete Strain Distortion", *Proceedings of the Korean Society of Civil Engineers*, 344-347, 2013.
92. B.-S. Park, E.-J. Choi, J.-Y. Cho, "A Case Study on Connection of Hybrid Bridges for Design Optimization", *Proceedings of the Korean Society of Civil Engineers*, 366-369, 2013.
93. H. Park, E.-J. Choi, J.-Y. Cho, "Ductility Analysis of PSC Members with High-Strength Strands", *Proceedings of the Korea Concrete Institute*, 26-1:969-970, 2014.
94. J.-H. Park, G.-M. Bae, J.-Y. Cho, "Tension Stiffening Model Using Panel Test Reinforced with High Strength Steel Rebar", *Proceedings of the Korea Concrete Institute*, 26-1:29-30, 2014.
95. B.-S. Park, J.-Y. Cho, "Numerical Analysis Verification of Apparent Diffusion Coefficient Obtained from Short-Term Immersion Test", *Proceedings of the Korea Concrete Institute*, 26-1:177-178, 2014.
96. S.-C. Lee, J.-Y. Cho, "Analysis for the Shear Behavior of RC Members with Steel Fibers", *Proceedings of the Korea Concrete Institute*, 26-1: 689-690, 2014.
97. C.-H. Hwang, J.-H. Park, G.-M. Bae, J.-Y. Cho, H.-M. Shin, "Development of the Finite Element Analysis Model of High Strength Rebar", *Proceedings of the Korea Concrete Institute*, 26-1: 769-770, 2014.
98. Y. Yu, J.-Y. Cho, "Analytical Evaluation of Reinforced Concrete Slab Subjected to Impact Loading", *Proceedings of the Korea Concrete Institute*, 26-1:729-730, 2014.
99. J.-M. Park, J.-Y. Cho, "Dynamic Analysis of RC Pier with Similitude Law Considering Concrete Strain Distortion", *Proceedings of the Korea Concrete Institute*, 26-1:763-764, 2014.
100. B.-S. Park, J.-Y. Cho, "Finite Element Analysis of Hybrid Girder Joint", *Proceedings of the Korea Concrete Institute*, 26-1:777-778, 2014.
101. **Y.-H. Jeong, H. Park, J.-Y. Cho, "Investigation on Applicability of High Strength Strand for Posttensioned Prestressed Concrete members", 7th IABMAS 2014, International Conference on Bridge Maintenance, Safety and Management, Shanghai, China, 2014.**
102. **H. Park, J.-Y. Cho, "Application of High Strength PS Strand for Posttensioned Prestressed Concrete Girders", 9th SMSB 2014, Canadian Society for Civil Engineering, Calgary, Canada, 2014.**
103. **B.-S. Park, Y. Yu, J.-Y. Cho, "Optimal Design of Joint in Hybrid-Bridges Incorporation Steel-RC Beams or Steel-PSC Beams", 10th FIB International PhD Symposium in Civil Engineering, The International Federation for Structural Concrete, Quebec, Canada, 2014.**
104. **B. Park, E.-J. Choi, J.-Y. Cho, "Prediction of the Chloride Ion Penetration into Cementitious Materials Using a Simple Immersion Test", 10th FIB International PhD Symposium in Civil Engineering, The International**

Federation for Structural Concrete, Quebec, Canada, 2014.

105. J.-M. Park, J.-Y. Cho, "Dynamic Analysis Using Similitude Law Considering Strain Distortion", *37th IABSE Symposium*, Madrid, Spain, 2014.
106. G.-M. Bae, G.T. Proestos, J.-H. Park, E.C. Bentz, J.-Y. Cho, M.P. Collins, "Investigation of Shear Response of Nuclear Power Plant Wall Elements Using High Strength Materials", *37th IABSE Symposium*, Madrid, Spain, 2014.
107. J.-M. Park, J.-Y. Cho, "Development of Similitude Law Considering Concrete Strain Distortion for Dynamic Analysis of RC", *The 6th International Conference of Asian Concrete Federation*, Asian Concrete Federation, Seoul, Korea, 2014.
108. H. Park, E.-J. Choi, J.-Y. Cho, "Investigation on Applicability of High Strength Strand for Pretensioned Prestressed Concrete", *The 6th International Conference of Asian Concrete Federation*, Asian Concrete Federation, Seoul, Korea, 2014.
109. B.-S. Park, Y. Yu, J.-Y. Cho, "Parametric Study of Joint in Hybrid Bridge Combined PSC Beam with Steel Beam", *The 6th International Conference of Asian Concrete Federation*, Asian Concrete Federation, Seoul, Korea, 2014.
110. H. Park, E.-J. Choi, J.-Y. Cho, "Transfer Length of Pretensioned Prestressed Concrete Members with High-Strength Strands", *Proceedings of the Korea Concrete Institute*, 26-2:215-216, 2014.
111. B.-S. Park, Y. Yu, J.-Y. Cho, "Parametric Study of Hybrid Girder Joint Using Finite Element Analysis", *Proceedings of the Korea Concrete Institute*, 26-2:155-156, 2014.
112. Y. Yu, J.-Y. Cho, "Behavior of RC Concrete Slab Subjected to Impact Load", *Proceedings of the Korea Concrete Institute*, 26-2:175-176, 2014.
113. J.-M. Park, J.-Y. Cho, "A Study on Estimation of Strain Ratio for Small Scale Test of RC Pier", *Proceedings of the Korea Concrete Institute*, 26-2:151-152, 2014.
114. B. Park, J.-Y. Cho, "Verification of Assumptions in Mathematical Model for Short-Term Ponding Test by Numerical Analysis", *Proceedings of the Korea Concrete Institute*, 26-2:483-484, 2014.
115. J.-H. Park, J.-Y. Cho, "A Study on Applicability of Proposed Tension Stiffening Model Using Panel Test Reinforced with High Strength Steel Rebar", *Proceedings of the Korea Concrete Institute*, 26-2:123-124, 2014.
116. Y. Yu, J.-Y. Cho, "Behavior of RC/PSC Concrete Slab Subjected to Impact Load", *Proceedings of the Korean Society of Civil Engineers*, 85-86, 2014.
117. E.-J. Choi, H. Park, J.-Y. Cho, "Modeling of Stress-Strain Relationship of High Strength Strand", *Proceedings of the Korean Society of Civil Engineers*, 445-446, 2014.
118. H. Park, E.-J. Choi, J.-Y. Cho, "Mechanical Property and Stress-Strain Relationship of High Strength Strand", *2014 Fall Conference of the Korean Society for Railway*, 1139-1144, 2014.
119. B. Park, E.-J. Choi, J.-Y. Cho, S.-Y. Jang, "Evaluation of the Chloride Diffusion Coefficient to Predict Initiation Time of Steel Corrosion in Concrete by a New Test", *19th International Corrosion Congress*, Jeju, Korea, 2014.
120. J.-H. Park, G.-M. Bae, J.-Y. Cho, S.-C. Lee, "An Investigation of the Shear Stress-Strain Characteristics of Nuclear Power Plant Wall Elements with High Strength Materials", *International Symposium on NPP Technology & Human Resources Development*, Busan, Korea, 2014.
121. B.-S. Park, J.-Y. Cho, "Finite Element Analysis of Hybrid Girder Combined Steel Girder with PSC Girder", *2014 KIBSE Annual Meeting and Conference*, Ilsan, Korea, 2014.
122. J.-M. Park, J.-H. Lee, J.-Y. Cho, "Study on Similitude Law with Variable Strain Ratio for Scaled Model Test of RC Pier", *Proceedings of the Korea Concrete Institute*, 27-1:171-172, 2015.
123. B.-S. Park, Y. Yu, J.-Y. Cho, "Finite Element Analysis for Design of Hybrid Girder Joint", *Proceedings of the Korea Concrete Institute*, 27-1:169-170, 2015.

124. Y. Yu, J.-Y. Cho, "Behavior of RC Concrete Slab Subjected to Impact Load", *Proceedings of the Korea Concrete Institute*, 27-1:129-130, 2015.
125. J.-H. Park, H. Park, J.-Y. Cho, "The Applicability of Approximate Equations for the Strand Stress in PSC Members with High-Strength Strands", *Proceedings of the Korea Concrete Institute*, 27-1:13-14, 2015.
126. J.-M. Park, J.-H. Park, J.-Y. Cho, "Seismic Analysis of RC Columns with Similitude Law Considering Strain Distortion", *2015 fib Symposium Copenhagen*, Copenhagen, Denmark, 2015.
127. Y. Yu, J.-Y. Cho, "Validation of Dynamic Increase Factors in Structural Design Codes", *Protect 2015 International Workshop on Performance, Protection and Strengthening of Structures under Extreme Loading*, 311-318, East Lansing, USA, 2015.
128. H. Park, J.-H. Lee, J.-Y. Cho, "Ductility Analysis of PSC Members with High Strength Strands", *7th Asia Pacific Young Researchers & Graduates Symposium*, Kuala Lumpur, Malaysia, 2015.
129. Y. Yu, S. Lee, J.-Y. Cho, "RC/PSC Slab Behavior Subjected to Impact Load", *7th Asia Pacific Young Researchers & Graduates Symposium*, Kuala Lumpur, Malaysia, 2015.
130. J.-M. Park, J.-Y. Cho, "Seismic Analysis of Scaled Model Test for RC Column Considering Strain Distortion", *7th Asia Pacific Young Researchers & Graduates Symposium*, Kuala Lumpur, Malaysia, 2015.
131. J.-H. Park, J.-Y. Cho, "A Proposal of an Approximate Equation for PS Strand Stress in PSC Member with High-Strength PS Strands", *7th Asia Pacific Young Researchers & Graduates Symposium*, Kuala Lumpur, Malaysia, 2015.
132. E.-J. Choi, H. Park, J.-Y. Cho, "Flexural Strength Analysis of Prestressed Concrete Members with High Strength Strands", *IABSE Conference Geneva 2015*, IABSE, Geneva, Switzerland, 2015.
133. J.-M. Park, J.-H. Park, J.-Y. Cho, "Development of Similitude Law Considering Strain Distortion of Concrete and Analytical Verification for Dynamic Analysis of RC Column", *Proceedings of the Korea Concrete Institute*, 27-2, 2015.
134. Y. Yu, J.-H. Lee, S. Lee, J.-Y. Cho "Behavior of RC Slab Subjected to Impact Load according to Arrangement of Reinforcement", *Proceedings of the Korea Concrete Institute*, 27-2, 2015.
135. J.-Y. Cho "Applicability of KCI Concrete Design Code on High-Strength Strand Approximate Equation for Strand Stress at Flexural Strength", *Proceedings of the Korea Concrete Institute*, 27-2, 2015.
136. J.-H. Park, H. Park, J.-Y. Cho, "Analysis of Design Standards for Applying High-Strength Strands to PSC Girders-Based on Estimation for PS Strand Stress", *Proceedings of the Korean Society of Civil Engineers*, 205-206, 2015.
137. J.-H. Park, H. Park, J.-Y. Cho, "Prediction of Bonded Strand Stress at Flexural Strength for a Beam", *Korean Institute of Bridge and Structural Engineers*, Uiwang, Korea, 2015.
138. J.-H. Park, J.-Y. Cho, H.-M. Koh, "A Proposal of an Approximate Equation for High-Strength PS Strand Stress at Flexural Ultimate", *The Fourteenth East Asia-Pacific Conference on Structural Engineering and Construction*, Ho Chi Minh City, Vietnam, 2016.
139. D.-U. Park, N.-S. Kim, B.-G. Jeon, J.-M. Park, J.-Y. Cho, "Fragility Analysis of a Reinforced Concrete Column Numerical Model Updated by Shake Table Test", *The Korea Institute for Structural Maintenance and Inspection*, Jeju, Korea, 2016.
140. J.-Y. Cho, "Establishment of Extreme Performance Testing Center", *Workshop on Resilience of Urban Infrastructure*, Toronto, Canada, 2016.
141. J.-M. Park, J.-Y. Cho, "Scaled Model Test of RC Column Considering Strain Distortion of Model Concrete", *IABSE Conference, Bridges and Structures Sustainability-Seeking Intelligent Solution*, 75-76, Guangzhou, China, 2016.
142. Y. Yu, J.-Y. Cho, "Validation of Dynamic Increase Factors in Structural Design Codes", *IABSE Conference, Bridges and Structures Sustainability-Seeking Intelligent Solution*, 144-145, Guangzhou, China, 2016.
143. J.-H. Park, S. Lee, J.-Y. Cho, "Prediction of Bonded Strand Stress at Flexural Strength for a Beam with High-Strength Strand", *Proceedings of the Korea Concrete Institute*, 28-2 : 735-736, 2016.

144. J.-M. Park, J.-Y. Cho, "Verification of Using Average Strain Ratio for Similitude Law Considering Variation of Strain Ratio", *Proceedings of the Korea Concrete Institute*, 28-2 : 69-70, 2016.
145. Y. Yu, D.G. Lee, J.-H. Lee, J.-Y. Cho, "Analytical study of RC Slab Subjected to impact Loading", *Proceedings of the Korea Concrete Institute*, 28-2 : 63-64, 2016.
146. J.-H. Park, J.-Y. Cho, "Panel Test using High Strength Materials and Tension Stiffening Model", *Proceedings of the Korea Concrete Institute*, 28-1 : 751-752, 2016.
147. **J.-M. Park, J.-Y. Cho, "Seismic Analysis of RC Column Scaled Model Considering Strain Distortion", 8th IABMAS 2016, International Conference on Bridge Maintenance, Safety and Management, 519, Foz do Iguaçu, Brazil, 2016.**
148. J.-H. Park, D.G. Lee, H. Park, J.-Y. Cho, "Prediction of PS Strand Stress at Flexural Strength of Beam with High-Strength Strand", *11th fib International PhD Symposium in Civil Engineering*, The International Federation for Structural Concrete, 321-328, Tokyo, Japan, 2016.
149. Y. Yu, J.-Y. Cho, S. Lee, D.G. Lee, "Reinforcement Concrete Behaviour Subjected to Impact Loading", *11th fib International PhD Symposium in Civil Engineering*, The International Federation for Structural Concrete, 329-335, Tokyo, Japan, 2016.
150. J.-M. Park, J.-H. Lee, J.-Y. Cho, "Similitude Law Considering Strain Distortion and Variation of Strain Ratio for Scaled Model Test of RC Column", *11th fib International PhD Symposium in Civil Engineering*, The International Federation for Structural Concrete, 377-384, Tokyo, Japan, 2016.
151. J.-H. Park, J.-Y. Cho, H.-M. Koh, "Proposal of an Equation of Stress in PS Strands at Flexural Strength", *Proceedings of 19th IABSE 2016 Congress*, Stockholm, Sweden, 2016.
152. B.-S. Park, D.G. Lee, J.-Y. Cho, "Parametric Study of Hybrid Bridge Joint Using Finite Element Analysis", *Proceedings of the Korean Society of Civil Engineers*, 47-48, 2016.
153. Y. Yu, J.-Y. Cho, "Analytical Study on Behavior of RC Beams Subjected to Impact Load", *Proceedings of the Korean Society of Civil Engineers*, 53-54, 2016.
154. J.-M. Park, J.-Y. Cho, "Shaking Table Test of RC Column using Ground Acceleration with Modified Time Step Length Considering the Variation of Time Step Length", *Proceedings of the Korean Society of Civil Engineers*, 173-174, 2016.
155. J.-H. Park, J.-Y. Cho, "Proposal of Tension Stiffening Model for Wall Elements of Nuclear Containment Structures", *Proceedings of the Korean Society of Civil Engineers*, 217-218, 2016.
156. S. Lee, C. Kim, J.-Y. Cho, "Influence of Pulse Shaper on Incident Stress Waves in SHPB Test for Concrete", *Proceedings of the Korean Society of Civil Engineers*, 233-234, 2016.
157. D.G. Lee, J.-Y. Cho, "Finite Element Analysis of the Long-Termed Behavior of ICT Bridge Girder Considering the Construction Sequence", *Proceedings of the Korean Society of Civil Engineers*, 239-240, 2016.
158. J.-H. Lee, K.-M. Kim, J.-Y. Cho, "Optimal Design Conditions Review in terms of Flexure and Serviceability for Using High-Strength Reinforcing Steel", *Proceedings of the Korean Society of Civil Engineers*, 209-210, 2016.
159. J.-Y. Cho, "Establishment of Structural Performance Testing Facilities for Extreme Conditions", *Proceedings of the Korean Society of Civil Engineers*, 170, 2016.
160. J.-H. Park, J.-Y. Cho, "Prediction of Flexural Strength for a PSC Beam with High-Strength Strands", *Proceedings of the Korea Concrete Institute*, 28-2 : 3-4, 2016.
161. Y. Yu, J.-Y. Cho, "Analytical Study on Behavior of RC Beam Under Impact Loading Considering DIF", *Proceedings of the Korea Concrete Institute*, 28-2 : 51-52, 2016.
162. D.G. Lee, J.-Y. Cho, K.-M. Kim, "Finite Element Analysis of the Long-Termed Behavior of ICT Bridge Girder", *Proceedings of the Korea Concrete Institute*, 28-2 : 65-66, 2016.
163. J.-H. Lee, J.-L. An, J.-Y. Cho, "Review of Concrete Structure Design Code for Using 700MPa Reinforcing Bars to RC Flexure Members", *Proceedings of the Korea Concrete Institute*, 28-2 : 69-70, 2016.

164. J.-M. Park, J.-Y. Cho, "Pseudo Dynamic Scaled Model Test of RC Column Considering Variation of Strain Ratio", *Proceedings of the Korea Concrete Institute*, 28-2 : 113-114, 2016.
165. S. Lee, C. Kim, J.-Y. Cho, "Analytical Study of Incident Stress Waves for Application to Concrete SHPB Tests", *Proceedings of the Korea Concrete Institute*, 28-2 : 485-486, 2016.
166. S. Lee, K.-M. Kim, J.-Y. Cho, "A Review of Dynamic Increase Factor for Compressive Strength of Concrete at Intermediate and High Strain Rates", *Korean Institute of Bridge and Structural Engineers*, 47-48, Mokpo, Korea, 2016.
167. J.-H. Park, J.-Y. Cho, "Proposal of Tension Stiffening Model with Over-Reinforced RC Panel Element Tests", *Korean Institute of Bridge and Structural Engineers*, 51-52, Mokpo, Korea, 2016.
168. Y. Yu, C. Kim, J.-Y. Cho, "Parametric Study on Behavior of RC Beams Subjected to Impact Load", *Korean Institute of Bridge and Structural Engineers*, 53-54, Mokpo, Korea, 2016.
169. D.G. Lee, J.-Y. Cho, C. Kim, "Finite Element Analysis of the Long-Termed Behavior of ICT Bridge Girder", *Korean Institute of Bridge and Structural Engineers*, 59-60, Mokpo, Korea, 2016.
170. J.-H. Lee, J.-L. An, J.-Y. Cho, "Non-Destructive Testing to Detect the Corrosions of External Post-Tensioned Tendons of PSC Bridges", *Korean Institute of Bridge and Structural Engineers*, 105-106, Mokpo, Korea, 2016.
171. **J.-H. Park, J.-Y. Cho, H.-M. Koh, "An Investigation of the Shear Stress-Strain Characteristics of Nuclear Power Plant Wall Elements with High Strength Materials", *fib Symposium*, Cape Town, South Africa, 2016.**
172. **J.-M. Park, J.-Y. Kim, J.-Y. Cho, "New Similitude Law for Dynamic Test Using RC Scaled Model and Its Verification by Shaking Table Test", *ACI Spring Convention*, Detroit, USA, 2017.**
173. J.-H. Lee, M. Kim, J.-Y. Cho, "Review of Domestic Preliminary Research on High-Strength Reinforcement for Using 700 MPa Rebars", *Proceedings of the Korea Concrete Institute*, 29-1 : 977-978, 2017.
174. S. Lee, J.-M. Park, J.-Y. Cho, "Proposal for Dynamic Increase Factor of Concrete Compressive Strength by Pure Rate Effect", *Proceedings of the Korea Concrete Institute*, 29-1 : 877-878, 2017.
175. D.G. Lee, N. Lee, J.-Y. Cho, "Experimental Study on Behavior of Joint in Hybrid Girder", *Proceedings of the Korea Concrete Institute*, 29-1 : 793-794, 2017
176. C. Kim, J.-L. An, J.-Y. Cho, "Study for Analytical Previous Researches to Predict Behavior of RC Beam under Impact Load", *Proceedings of the Korea Concrete Institute*, 29-1 : 721-722, 2017.
177. Y. Yu, J.-Y. Cho, "Analysis for Verification of Previous Empirical Equation about Behavior of RC Beam under Impact Loading", *Proceedings of the Korea Concrete Institute*, 29-1 : 717-718, 2017.
178. K.-M. Kim, N. Lee, J.-Y. Cho, "Splitting-Tensile Test of Concrete Using SHPB", *Proceedings of the Korea Concrete Institute*, 29-1 : 503-504, 2017.
179. J.-L. An, N. Lee, J.-H. Park, J.-Y. Cho, "Comparative Analysis of International and Domestic Design Code for Effective Bridge Pier Cap Design", *Proceedings of the Korea Concrete Institute*, 29-1 : 293-294, 2017.
180. J.-M. Park, J.-Y. Cho, "Scaled Model Test of RC Column with Shaking Table Considering the Relationship between Strain Ratio and Scale Factor of Time", *Proceedings of the Korean Society for Railway*, 2017.
181. S. Lee, K.-M. Kim, J.-Y. Cho, "Pure Rate Effect on Compressive Strength of Concrete", *The 6th International Conference of Euro Asia Civil Engineering Forum*, Seoul, South Korea, 2017.
182. J.-H. Lee, J.-L. An, J.-Y. Cho, "Analytical Study of Flexural Behavior of Concrete Beams Reinforced with 700 MPa High-Strength Steel", *The 6th International Conference of Euro Asia Civil Engineering Forum*, Seoul, South Korea, 2017.
183. Y. Yu, C. Kim, J.-Y. Cho, "Behavior of RC Beam Subjected to Impact Loading Considering Momentum Change", *The 6th International Conference of Euro Asia Civil Engineering Forum*, Seoul, South Korea, 2017.
184. J.-H. Park, J.-Y. Cho, "Steel Reinforcement Detail for RC Pier Coping in Current Design Codes", *The 6th International Conference of Euro Asia Civil Engineering Forum*, Seoul, South Korea, 2017.
185. D.G. Lee, B.-S. Park, J.-Y. Cho, "Experimental Study on Development of Effective Joint in Hybrid Bridge

- Combining Steel Beam and PSC Beam”, *The 6th International Conference of Euro Asia Civil Engineering Forum*, Seoul, South Korea, 2017.
186. J.-H. Park, J.-L. An, J.-Y. Cho, “Stress in Prestressing Strands at Flexural Failure of a PSC Member”, *24th International Conference on Structural Mechanics in Reactor Technology*, SMiRT, Busan, Republic of Korea, 2017.
187. J.-H. Lee, J.-Y. Cho, S.-J. Shin, J.-M. Hong, J.-H. Lee, “Non-Destructive Testing for Detecting the Corrosions of External Post-Tensioned Tendons”, *39th IABSE Symposium*, Vancouver, Canada, 2017.
188. J.-M. Park, J.-Y. Cho, “Shaking Table Test Using Scaled Model of Reinforced Concrete Column Considering Time Variation from Similitude Conditions”, *39th IABSE Symposium*, Vancouver, Canada, 2017.
189. J.-H. Park, J.-L. An, J.-Y. Cho, “Analysis of Design Codes and Strut-tie Models for Reduction of Reinforcement in a Pier Cap”, *Proceedings of the Korean Society of Civil Engineers*, 195-196, 2017.
190. D.G. Lee, J.-Y. Cho, “Experimental Study on Behavior of Joint in Hybrid Girder”, *Proceedings of the Korean Society of Civil Engineers*, 225-226, 2017.
191. J.-Y. Cho, J.H. Lee, M. Kim, Y.J. Jo, J.S. Kim, “Development of Performance Degradation Assessment of Small and Medium-Sized Deteriorated Concrete Bridge Based on Substantiation”, *Proceedings of the Korean Society of Civil Engineers*, 10-11, 2017.
192. N. Lee, Y.H. Kim, Y.J. Kim, J.-Y. Cho, “Investigation of Green Concrete using Domestic Waste as Cement Replacement”, *Proceedings of the Korean Society of Civil Engineers*, 15-16, 2017.
193. J.-Y. Cho, “Establishment of Extreme Performance Testing Center”, *Proceedings of the Korean Society of Civil Engineers*, 2-3, 2017.
194. S. Lee, J.-Y. Cho, “Suggestion and Validation for Dynamic Increase Factor of Concrete Compressive Strength”, *Proceedings of the Korea Concrete Institute*, 29-2 : 461-462, 2017.
195. J.-L. An, J.-H. Park, J.-Y. Cho, “Comparison of Strut-and-Tie Model Analyses for Effective Bridge Pier Cap Design”, *Proceedings of the Korea Concrete Institute*, 29-2 : 63-64, 2017.
196. D.G. Lee, J.-Y. Cho, “Finite Element Analysis of Joint in Hybrid Girder using Interface Element”, *Proceedings of the Korea Concrete Institute*, 29-2 : 87-88, 2017.
197. B.-S. Park, J.-Y. Cho, “Design of Joint in Hybrid Girder Combining Steel and PSC Members”, *Proceedings of the Korea Concrete Institute*, 29-2 : 91-92, 2017.
198. M. Kim, J.-H. Lee, Y.J. Jo, J.-Y. Cho, J.S. Kim, “Relation Between Performance Assessments of Deteriorated Concrete Bridges and Reinforcement Corrosion Models”, *Proceedings of the Korea Concrete Institute*, 29-2 : 311-312, 2017.
199. N. Lee, J.-Y. Cho, “Investigation of Green Concrete using Domestic Waste as Cement Replacement”, *Proceedings of the Korea Concrete Institute*, 29-2 : 443-444, 2017.
200. J.-H. Lee, J.-L. An, M. Kim, J.-Y. Cho, “Analytical Study of Flexure Performance of RC Beams with High-Strength Materials”, *Proceedings of the Korea Concrete Institute*, 29-2 : 781-782, 2017.
201. K.-M. Kim, S. Lee, J.-Y. Cho, “A Study of Previous Research about Effect of Maximum Aggregate Size in Dynamic Compressive Strength of Concrete”, *Proceedings of the Korea Concrete Institute*, 29-2 : 497-498, 2017.
202. Y. Yu, C. Kim, J.-Y. Cho, “Effect of Combination of Mass and Impact Velocity on the Behavior of RC Beams Subjected to Impact Loading”, *The 9th International Symposium on Steel Structures*, Jeju, Korea, 2017.
203. J.-L. An, J.-H. Park, J.-Y. Cho, “Comparative Analysis of Pier Cap Reinforcement Using Domestic and International Examples”, *Korean Institute of Bridge and Structural Engineers*, 33-34, Seongnam, Korea, 2017.
204. D.G. Lee, J.-Y. Cho, “Finite Element Analysis of Joint in Hybrid Girder using Interface Element”, *Korean Institute of Bridge and Structural Engineers*, 41-42, Seongnam, Korea, 2017.
205. J.-H. Lee, M. Kim, N. Lee, J.-Y. Cho, “Analysis of Domestic Concrete Bridge Safety Inspection and Research with Members from Decommissioned Bridges”, *Korean Institute of Bridge and Structural Engineers*, 61-62, Seongnam,

Korea, 2017.

206. Y. Yu, C. Kim, J-Y Cho, "Investigation of Behavior of RC Beams Subjected to Impact Loading Considering Combination of Mass and Impact Velocity", *Protect 2017 International Workshop on Performance, Protection and Strengthening of Structures under Extreme Loading*, 43-49, Guangzhou, China, 2017.
207. S. Lee, K.-M. Kim, J.-Y. Cho, "Investigation into Pure Rate Effect on Dynamic Increase Factor for Concrete Compressive Strength", *Protect 2017 International Workshop on Performance, Protection and Strengthening of Structures under Extreme Loading*, 543-549, Guangzhou, China, 2017.
208. C. Kim, J.-Y. Cho, "Behavior of Reinforced Concrete Panels by Impact of Hard Projectile", *Proceedings of IABSE Conference*, 998-999, Kuala Lumpur, Malaysia, 2018.
209. J.-H. Lee, J.-Y. Cho, "Behavior of Reinforced Concrete Beams with 700 Mpa High-Strength Reinforcement-Flexure and Serviceability", *Proceedings of IABSE Conference*, 368-369, Kuala Lumpur, Malaysia, 2018.
210. J.-H. Lee, J.-L. An, J.-Y. Cho, "Flexure Experiments of RC Beam with SD700 High-Strength Steels", *Proceedings of the Korea Concrete Institute*, 30-1:13-14, 2018.
211. K.-M. Kim, J.-Y. Cho, "Investigation into Effect of Maximum Aggregate Size on Split Hopkinson Pressure Bar Test", *Proceedings of the Korea Concrete Institute*, 30-1:511-512, 2018.
212. J.-L. An, J.-H. Park, J.-Y. Cho, "Finite Element Analysis for efficient Reinforcement Detail of Bridge Pier Cap", *Proceedings of the Korea Concrete Institute*, 30-1:689-690, 2018.
213. M. Kim, J.-Y. Cho, J.S. Kim, "An Investigation on the Safety Inspection for Deteriorated Concrete Bridges by Verification Experiments", *Proceedings of the Korea Concrete Institute*, 30-1:323-324, 2018.
214. N. Lee, J.S. Kim, J.-Y. Cho, "Experimental Verification of Assessment for Concrete Bridge using Decommissioned Deteriorated-Bridge Members", *Proceedings of the Korea Concrete Institute*, 30-1:43-44, 2018.
215. C. Kim, C.J. Lee, J.-Y. Cho, "Penetration Behavior of Reinforced Concrete Panel by Impact of Projectile", *Proceedings of the Korea Concrete Institute*, 30-1:45-46, 2018.
216. S. Lee, J.-Y. Cho, "Static Strength Test Method to Determine Dynamic Increase Factor of Concrete Compressive Strength", *Proceedings of the Korea Concrete Institute*, 30-1:529-530, 2018.
217. Y. Yu, J.-Y. Cho, "Effect of Mass and Impact Velocity of Impacting Body on RC beam Behavior", *Proceedings of the Korea Concrete Institute*, 30-1:717-718, 2018.
218. S. Lee, J.-Y. Cho, "Effect of Specimen Size of Static Compressive Test on Dynamic Increase Factor of Concrete Compressive Strength", *15th International Conference on Structures under Shock and Impact*, Sevilla, Spain, 2018.
219. K.-M. Kim, S. Lee, J.-Y. Cho, "Experimental Investigation into Effect of Aggregate Size on Dynamic Compressive Strength of Mortar and Concrete", *15th International Conference on Structures under Shock and Impact*, Sevilla, Spain, 2018.
220. Y. Yu, J.-Y. Cho, "Analysis of Effect of Momentum on the Behavior of RC Beams under Impact loading", *15th International Conference on Structures under Shock and Impact*, Sevilla, Spain, 2018.
221. C. Kim, J.-Y. Cho, "Investigation of Local Behavior by Impact of Projectile for Reinforced Concrete Wall", *15th International Conference on Structures under Shock and Impact*, Sevilla, Spain, 2018.
222. M. Kim, N. Lee, J.-H. Lee, J.-Y. Cho, J.S. Kim, "Evaluation of In-service Bridge Assessment Methodology using Decommissioned Concrete Bridges", *Proceedings of 7WCSCM*, Qingdao, China, 2018.
223. J.-H. Park, J.-L. An, J.-Y. Cho, "A Study for an Effective Arrangement of Shear Reinforcements in Pier Cap Designs", *12th fib International PhD Symposium in Civil Engineering*, Prague, Czech, 2018.
224. J.-H. Lee, N. Lee, M. Kim, J.-Y. Cho, "Verification of In-use Concrete Bridge's Safety Inspection Methodology with Decommissioned Bridges", *12th fib International PhD Symposium in Civil Engineering*, Prague, Czech, 2018.
225. Y. Yu, J.-Y. Cho, "Impact Behavior of RC Beam Considering Various Momentum of Drop Weight", *12th fib*

International PhD Symposium in Civil Engineering, Prague, Czech, 2018.

226. J.-L. An, J.-H. Park, J.-Y. Cho, "Feasibility Evaluation of Bridge Pier Cap Design by Comparing Current Design Codes", *Proceedings of the fib Congress 2018*, 182-183, Melbourne, Australia, 2018.
227. J.-H. Park, J.-L. An, J.-Y. Cho, "Analyses for a reasonable shear reinforcement design in bridge pier cap", *Proceedings of fib Congress 2018*, 176-177, Melbourne, Australia, 2018.
228. J.-L. An, J.-H. Park, J.-Y. Cho, "Nonlinear Finite Element Analysis for Reinforcement Details of Bridge Pier Cap", *Proceedings of the Korean Society of Civil Engineers*, 577-578, 2018.
229. H.-K. Kim, J.-Y. Cho, J.S. Kim, Y. C. Park, M. Kim, L.-S. An, J.-H. Han, "Development of Assessment Methodologies for Deteriorated Bridges: Researches in the Second Year", *Proceedings of Korean Society of Civil Engineers*, 2018.
230. C. Kim, J.-Y. Cho, "Penetration Depth of Reinforced Concrete Panels by Impact of Projectile", *Proceedings of the Korea Concrete Institute*, 30-2:47-48, 2018.
231. C.J. Lee, J.-Y. Cho, "Study on Design Method for Local Effect of Concrete Structures Subjected to Impact Loading", *Proceedings of the Korea Concrete Institute*, 30-2:33-34, 2018.
232. J.-H. Park, J.-L. An, J.-Y. Cho, "A study on the validity of shear reinforcement design in bridge pier cap by scaled model test", *Proceedings of the Korea Concrete Institute*, 30-2:31-32, 2018.
233. M. Kim, J.-Y. Cho, "Investigation on Structural Safety Assessment Guidelines for Concrete Bridges Through Case Study", *Proceedings of the Korea Concrete Institute*, 30-2:85-86, 2018.
234. K.-M. Kim, J.-Y. Cho, "Influence of Maximum Coarse Aggregate Size on Dynamic Compressive Strength of Concrete in Split Hopkinson Pressure Bar Test", *Proceedings of the Korea Concrete Institute*, 30-2: 565-566, 2018.
235. Y. Yu, J.-Y. Cho, "Investigation of Combined Effect of Mass and Impact Velocity of Drop weight through Drop Weight Impact Test", *Proceedings of the Korea Concrete Institute*, 30-2:45-46, 2018.
236. S. Lee, L. Tuvd, J.-Y. Cho, "Experimental Study on the Impact Resistance of Reinforced Concrete Panel Including High Strength Reinforcing Bars", *Proceedings of the Korea Concrete Institute*, 30-2:3-4, 2018.
237. N. Lee, J.-Y. Cho, "Durability Evaluation of Concrete Member in Transition Range", *Proceedings of the Korea Concrete Institute*, 30-2:347-348, 2018.
238. J.-L. An, J.-Y. Cho, "Investigations on Properties of Concrete for Structural Behavior of Concrete at Low Temperatures", *Proceedings of the Korea Concrete Institute*, 30-2:1-2, 2018.
239. J.-H. Lee, J.-L. An, J.-Y. Cho, "Evaluation of Ductility Index and Serviceability of RC Beams with 700MPa High-strength Reinforcement by Flexural Experiment", *Proceedings of the Korea Concrete Institute*, 30-2:175-176, 2018.
240. J.-L. An, J.-H. Park, J.-Y. Cho, "A scaled Model Test in Bridge Pier Cap for a Rational Arrangement of Shear Reinforcement", *Proceedings of the Korean Institute of Bridge and Structural Engineers*, 89-90, 2018.
241. K.-M. Kim, J.-Y. Cho, "Investigation into Effect of Maximum Coarse Aggregate Size on Dynamic Compressive Strength of Concrete", *Proceedings of the Korean Institute of Bridge and Structural Engineers*, 103-104, 2018.
242. S. Lee, C. Kim, J.-Y. Cho, "Effect of Application of High-Strength Steel on Impact Resistance of Reinforced Concrete Panel", *Proceedings of the Korean Institute of Bridge and Structural Engineers*, 101-102, 2018.
243. M. Kim, J.-Y. Cho, "Verification of Structural Safety Evaluation for Concrete Bridges in Used by Comparing Load Ratings on the Bridges", *Proceedings of the Korean Institute of Bridge and Structural Engineers*, 77-78, 2018.
244. J.-H. Lee, M. Kim, J.-Y. Cho, "Verification of Concrete Bridge Safety Inspection with Decommissioned Bridge Members", *7th Hokkaido University International Doctoral Symposium, Sapporo, Japan, 2018.*
245. C.J. Lee, J.-Y. Cho, "Investigation on Dynamic Increase Factor of Reinforcing Bar under High Strain Rate", *Proceedings of the Korea Concrete Institute*, 30-1:25-26, 2019.

246. K.-M. Kim, J.-Y. Cho, "Standardization of Specimen Preparation for Concrete Split Hopkinson Pressure Bar Test", *Proceedings of the Korea Concrete Institute*, 31-1:491-492, 2019.
247. N. Lee, J.-Y. Cho, "Evaluation of Flexural behavior of RC beam under Low Temperature", *Proceedings of the Korea Concrete Institute*, 31-1:29-30, 2019.
248. C. Kim, J.-Y. Cho, "Evaluation of Penetration Behavior by Projectile Impact for Finite Thickness Concrete Target", *Proceedings of the Korea Concrete Institute*, 31-1:287-288, 2019.
249. J.-L. An, J.-Y. Cho, "Non-linear finite element analysis of reinforced concrete beams at low temperatures", *Proceedings of the Korea Concrete Institute*", 31-1:97-98, 2019.
250. S. Lee, C. Kim, J.-Y. Cho, "Numerical Study on the Impact Resistance of Reinforced Concrete Panel Including High-Strength Reinforcing Steel", *Proceedings of the Korea Concrete Institute*, 31-1:257-258, 2019.
251. M. Kim, H.-S. Lee, J.-Y. Cho, "Verifying Load Ratings and Material Tests Procedures of Existing Concrete Bridges by Analyzing Actual Cases", *Proceedings of the Korea Concrete Institute*, 31-1:175-176, 2019.
252. J.-H. Lee, J. Ahn, J.-Y. Cho, "Review of Flexural Ductility and Tension-controlled Section Strain Limit of RC Beams with SD700 High-Strength Rebars", *Proceedings of the Korea Concrete Institute*, 31-1:1-2, 2019.
253. Y. Yu, J.-Y. Cho, "Evaluation of Impact Resistance of RC Beam by Drop Weight Impact Test", *Proceedings of the Korea Concrete Institute*, 31-1:295-296, 2019.
254. J.-H. Park, J.-Y. Cho, "Proposal of a Rational Strut-and-tie- Model Design Guide Line in Bridge Pier Cap", *Proceedings of the Korea Concrete Institute*, 31-1:53-54, 2019.
255. **J.-H. Lee, J.-Y. Cho, "Flexural Behaviour of RC Members with 700MPa High-Strength Steels", *fib Symposium 2019, Krakow, Poland, 253-254, 2019.***
256. **M. Kim, J.-H. Lee, R. Benzaouia, J.-Y. Cho, "Validation of Bridge Evaluation Method for Existing Concrete Bridges", *The 3rd ACF Symposium 2019, Sapporo, Japan, 2019***
257. **S. Lee, J.-Y. Cho, "Effect of Reinforcing Steel on Behavior of Reinforced Concrete Panel Subjected to Impact Loading", *PROTECT 2019, 7th International Colloquium on Performance, Protection and Strengthening of Structures Under Extreme Loading and Events, Whistler, BC, Canada, 2019.***
258. **K.-M. Kim, J.-Y. Cho, "Maximum Coarse Aggregate Size for Concrete in Split Hopkinson Pressure Bar Test", *PROTECT 2019, 7th International Colloquium on Performance, Protection and Strengthening of Structures Under Extreme Loading and Events, Whistler, BC, Canada, 2019.***
259. **Y. Yu, J.-Y. Cho, "Combined Effect of Impact Mass and Velocity on the Behavior of RC Members", *PROTECT 2019, 7th International Colloquium on Performance, Protection and Strengthening of Structures Under Extreme Loading and Events, Whistler, BC, Canada, 2019.***
260. J.-H. Lee, H.-S. Lee, H. Ahn, J.-Y. Cho, "Verification of Concrete Bridge Evaluation Methodologies by Experiment with Members from Decommissioned Bridges", *Proceedings of International Symposium on Sea-Crossing Bridges*, Mokpo, Korea, 2019.
261. C.J. Lee, J.-H. Park, J.-Y. Cho, "Efficient Bridge Pier Cap Design with a Proper Sectional Depth", *Proceedings of International Symposium on Sea-Crossing Bridges*, Mokpo, Korea, 2019.
262. J.-L. An, Y.J. Jeon, J. Ahn, J.-Y. Cho, "Investigations on Properties of Concrete and Steel at Low Temperatures", *Proceedings of the Korea Concrete Institute*, 31-2:37-38, 2019.
263. K.-M. Kim, H. Ahn, J.-Y. Cho, "Frictional Effect on Concrete Split Hopkinson Pressure Bar Test", *Proceedings of the Korea Concrete Institute*, 31-2:563-564, 2019.
264. J.-H. Lee, H.-S. Lee, Y. Yu, H. Ahn, J.-Y. Cho, "Verification of Concrete Bridge Evaluation Manual with Experiments of Members from Decommissioned Concrete Bridges", *Proceedings of the Korea Concrete Institute*, 31-2: 249-250, 2019.
265. S. Lee, J.-Y. Cho, "Review of Concrete Constitutive Model for Impact Analysis", *Proceedings of the Korea Concrete Institute*, 31-2:237-238, 2019.

266. C.J. Lee, J.-H. Park, J.-Y. Cho, “Analytical Research on Shear behavior of the Bridge Pier Cap”, *Proceedings of the Korea Concrete Institute*, 31-2:215-216, 2019.
267. Y. Yu, H. Ahn, J.-Y. Cho, “Evaluation of Deflection Performance of RC Beam by Drop Weight Impact Test”, *Proceedings of the Korea Concrete Institute*, 31-2:241-242, 2019.
268. J.-H. Park, J.-Y. Cho, “A Rational Strut-and-tie Model Design Based on the Sectional Depth of Bridge Pier Cap”, *Proceedings of the Korea Concrete Institute*, 31-2:31-32, 2019.
269. J.-H. Park, H. Ahn, J.-Y. Cho, “Efficient Design Concept of Bridge Pier Cap with Appropriate Section Depth”, *Proceedings of the Korean Institute of Bridge and Structural Engineers*, 3:16-17, 2019.
270. **Y. Yu, J.-Y. Cho, “A Parametric Study on the Impact Resistance of RC Beam”, HIS-DAPS 2019, The 20th Hwarandae International Symposium: The 7th International Conference on Design and Analysis of Protective Structures, Seoul, Korea, 2019.**
271. **S. Lee, J.-Y. Cho, “Effect of Reinforcing Steel on Local Behaviors of Reinforced Concrete Structures under Impact Loading”, HIS-DAPS 2019, The 20th Hwarandae International Symposium: The 7th International Conference on Design and Analysis of Protective Structures, Seoul, Korea, 2019.**
272. **K.-M. Kim, J.-Y. Cho, "Effect of Coarse Aggregate Size on Concrete under Impacts Loads", HIS-DAPS 2019, The 20th Hwarandae International Symposium: The 7th International Conference on Design and Analysis of Protective Structures, Seoul, Korea, 2019.**
273. H.S. Lee, S. Lee, J.-Y. Cho, “Bond Behavior Between Concrete and Reinforcing Steel Subjected to Impact and Blast Loadings”, *Proceedings of the Korea Concrete Institute*, 32-1:109-110, 2020.
274. J.-L. An, Y. Yu, J.-Y. Cho, “Analysis of Pore Water Freezing Process for Freeze-thaw Temperature Range”, *Proceedings of the Korea Concrete Institute*, 32-1:31-32, 2020.
275. Y.J. Jeon, J.-H. Lee, J.-Y. Cho, “Applicability Evaluation for Flexural Ductility and Serviceability of KCI Model Code 2017 with 700 MPa High-Strength Reinforcement”, *Proceedings of the Korea Concrete Institute*, 32-1:39-40, 2020.
276. H. Ahn, Y. Yu, J.-Y. Cho, “Effect of Mass Ratio of Impactor and RC Beam on the Behavior of RC Beam Subjected to Low-Velocity Impact Loading”, *Proceedings of the Korea Concrete Institute*, 32-1:155-156, 2020.
277. K. Lee, S. Lee, J.-Y. Cho, “Review of Triaxial Split Hopkinson Pressure Bar Test Technique for Concrete”, *Proceedings of the Korea Concrete Institute*, 32-1:381-382, 2020.
278. J.-H. Park, J.-Y. Cho, “Analysis of Shear Behavior of Bridge Pier Cap by Selection of Section”, *Proceedings of the Korea Concrete Institute*, 32-2:119-120, 2020.
279. J.-H. Lee, H.S. Lee, K. Lee, J.-H. Park, J.-Y. Cho, “Structure Assessment of Existing Concrete Bridges with Members from Decommissioned Bridges”, *Proceedings of the Korea Concrete Institute*, 32-2:485-486, 2020.
280. S. Lee, K.-M. Kim, J.-Y. Cho, “Review of Dynamic Increase Factor of Reinforcing Bars Subjected to Impact Loadings”, *Proceedings of the Korea Concrete Institute*, 32-2:367-368, 2020.
281. K.-M. Kim, J.-Y. Cho, “Finite Element Analysis for Verification of Dynamic Compressive Strength Test of Concrete Subjected to High Strain Rate”, *Proceedings of the Korea Concrete Institute*, 32-2:233-234, 2020.
282. J.-L. An, J.-Y. Cho, “Investigation on Deterioration Mechanism of RC Structure by Freeze-Thaw and Seawater Corrosion”, *Proceedings of the Korea Concrete Institute*, 32-2:25-26, 2020.
283. J. Ahn, J.-Y. Cho, “A Review of Local Effect Prediction Formulas for Military Facility by Projectile Impact”, *Proceedings of the Korea Concrete Institute*, 32-2:111-112, 2020.
284. H.S. Lee, S. Lee, J.-Y. Cho, “Experimental Research of Dynamic Bond Behavior Between Concrete and Reinforcing Steel”, *Proceedings of the Korea Concrete Institute*, 32-2:91-92, 2020.
285. Y.J. Jeon, J.-Y. Cho, “Literature Review for Application of Moment Redistribution with 700 MPa High Strength Rebar”, *Proceedings of the Korea Concrete Institute*, 32-2:29-30, 2020.
286. H. Ahn, Y. Yu, J.-Y. Cho, “Effect of Flexural Stiffness of RC Beam Subjected to Low-Velocity Impact Loading on

- Deflection”, *Proceedings of the Korea Concrete Institute*, 32-2:159-160, 2020.
287. K. Lee, K.-M. Kim, J.-Y. Cho, “Prediction of Incident Stress Wave in Concrete SHPB Test applying Pulse Shaper”, *Proceedings of the Korea Concrete Institute*, 32-2:377-378, 2020.
288. J.-H. Lee, Y.J. Jeon, J.-Y. Cho, “Flexural Ductility and Serviceability of RC Members with 700 MPa High-Strength Reinforcements”, *fib Symposium 2020*, Shanghai, China, 399-407, 2020.
289. J.-L. An, Y. Yu, J.-Y. Cho, “Flexural Behavior of Reinforced Concrete Beams at Low Temperature”, *fib Symposium 2020*, Shanghai, China, 408-415, 2020.
290. S. Lee, H.S. Lee, J.-Y. Cho, “A Role of Reinforcing Steel in Impact Resistance of Reinforced Concrete Panel against Local Damages”, *fib Symposium 2020*, Shanghai, China, 848-856, 2020.
291. J.-H. Lee, J.-Y. Cho, “Capacity Evaluation of Existing Concrete Bridge by Material Tests”, *Proceedings of the Korean Institute of Bridge and Structural Engineers*, 2020.
292. S. Lee, J.-Y. Cho, “Numerical Study on Dynamic Compressive Behavior of Concrete Subjected to Lateral Confinement”, *Proceedings of the Korean Institute of Bridge and Structural Engineers*, 2020.
293. K.-M. Kim, J.-Y. Cho, “Experimental Study about Frictional Effect on Dynamic Compressive Test of Concrete”, *Proceedings of the Korean Institute of Bridge and Structural Engineers*, 2020.
294. J.-L. An, J.-Y. Cho, “Flexural Behavior of Reinforced Concrete Beams at Low Temperature”, *Proceedings of the Korean Institute of Bridge and Structural Engineers*, 2020.
295. Y.J. Jeon, J.-H. Lee, J.-Y. Cho, “A Basic Study for Application to Provision of Moment Redistribution with 700 MPa High Strength Rebar”, *Proceedings of the Korean Institute of Bridge and Structural Engineers*, 2020.
296. H. Ahn, Y. Yu, J.-Y. Cho, “Evaluation of Impact Resistance of the RC Beam under Low-Velocity Impact Loading”, *Proceedings of the Korean Institute of Bridge and Structural Engineers*, 2020.
297. K. Lee, K.-M. Kim, J.-Y. Cho, “Literature Review for Dynamic Splitting Tensile Test of Concrete by SHPB”, *Proceedings of the Korean Institute of Bridge and Structural Engineers*, 2020.
298. J.-H. Lee, J.-Y. Cho, “Structure Assessment of Concrete Bridges from Test Results with Decommissioned Bridge Members”, *Proceedings of the Korea Concrete Institute*, 33-1:155-156, 2021.
299. S. Lee, H.S. Lee, J.-Y. Cho, “Suggestion for Dynamic Increase Factor of Bond Strength between Concrete and Reinforcing Steel”, *Proceedings of the Korea Concrete Institute*, 33-1:133-134, 2021.
300. K.-M. Kim, J.-Y. Cho, “Investigation of Frictional Effect on Experiment for Dynamic Increase Factor for Concrete”, *Proceedings of the Korea Concrete Institute*, 33-1:641-642, 2021.
301. J.-L. An, J.-Y. Cho, “Flexural Test of Reinforced Concrete Beam for Freezing-thawing Test at Structural Level”, *Proceedings of the Korea Concrete Institute*, 33-1:37-38, 2021.
302. J. Ahn, J.-Y. Cho, “A Review of Empirical Formulae for Penetration Depth of Ogive-nose Projectiles Into Concrete Targets”, *Proceedings of the Korea Concrete Institute*, 33-1:159-160, 2021.
303. Y.J. Jeon, J.-H. Park, J.-Y. Cho, “Applicability Evaluation for Moment Redistribution of KCI Model Code 2017 with SD700”, *Proceedings of the Korea Concrete Institute*, 33-1:11-12, 2021.
304. H. Ahn, Y. Yu, M. Kim, J.-Y. Cho, “Investigation of the Effect of Flexural Stiffness of RC Beam on the Maximum Deflection under Low-velocity Impact Loading”, *Proceedings of the Korea Concrete Institute*, 33-1:53-54, 2021.
305. K. Lee, K.-M. Kim, J.-Y. Cho, “Literature Review for the Relationship between Dynamic Splitting Tensile Strength and Direct Tensile Strength of Concrete”, *Proceedings of the Korea Concrete Institute*, 33-1:521-522, 2021.
306. J.-H. Park, J.-Y. Cho, “Structural Behavior of Bridge Pier Cap Designed by Strut-and-tie Model”, *Proceedings of the Korean Society of Civil Engineers*, 663-664, 2021.
307. H. Ahn, J.-Y. Cho, “Modification of Empirical Formula for Predicting Maximum Deflection of RC Beam Subjected to Low-Velocity Impact Loading”, *Proceedings of the Korean Society of Civil Engineers*, 81-82, 2021.
308. K. Lee, J.-Y. Cho, “Evaluation of Dynamic Stress Equilibrium in SHPB Splitting Tensile Test for Concrete”,

- Proceedings of the Korean Society of Civil Engineers*, 103-104, 2021.
309. J.-H. Lee, J.-Y. Cho, “Flexural Strength and Behavior of Old PSC Girders Based on Structural Tests”, *Proceedings of the Korea Concrete Institute*, 33-2:293-294, 2021.
310. S. Lee, J.-Y. Cho, “Investigation into Dynamic Compressive Behavior of Concrete under Uniaxial Strain State”, *Proceedings of the Korea Concrete Institute*, 33-2:671-672, 2021.
311. K.-M. Kim, J.-Y. Cho, “Numerical Study to Suggest Loading Condition Determination Method in Concrete Split Hopkinson Pressure Bar Test”, *Proceedings of the Korea Concrete Institute*, 33-2:673-674, 2021.
312. J.-L. An, J.-Y. Cho, “Fatigue Behavior of Reinforced Concrete Beam for Freezing-thawing Test at Structural Level”, *Proceedings of the Korea Concrete Institute*, 33-2:19-20, 2021.
313. J. Ahn, J.-Y. Cho, “Investigation into Scabbing and Perforation for RC Panels by High-Speed Projectile Impact”, *Proceedings of the Korea Concrete Institute*, 33-2:679-680, 2021.
314. H. Ahn, Y. Yu, J.-Y. Cho, “Experimental Study of Flexural Behavior of Impact-damaged RC Beam Due to Low-velocity Impact Loading”, *Proceedings of the Korea Concrete Institute*, 33-2:21-22, 2021.
315. P. Sun, J.-Y. Cho, “A Review of Modeling Methods for Post-earthquake Damaged RC Components”, *Proceedings of the Korea Concrete Institute*, 33-2:95-96, 2021.
316. K. Lee, J.-Y. Cho, “Evaluation of Dynamic Stress Equilibrium by FBD Method in Concrete SHPB Splitting Tensile Test”, *Proceedings of the Korea Concrete Institute*, 33-2:511-512, 2021.
317. J.-H. Park, H. Ahn, J.-Y. Cho, “Structural Behavior of Joint of Tunnel Segments in Various Loading Condition”, *Proceedings of the Korea Concrete Institute*, 33-2:71-72, 2021.
318. Y.J. Jeon, J.-H. Park, J.-Y. Cho, “Evaluation of Flexural Behavior and Serviceability of SD700 Applied Continuous Beam Designed with Provision of Moment Redistribution”, *Proceedings of the Korea Concrete Institute*, 33-2:41-42, 2021.
319. J. Ye, S. Lee, J.-Y. Cho, “Literature Review for Numerical Study of Impact Behavior of Reinforced Concrete Panel Subjected to Impact Loading”, *Proceedings of the Korea Concrete Institute*, 33-2:211-212, 2021.
320. J.-L. An, J.-Y. Cho, “Experimental Study of Fatigue Performance of Reinforced Concrete Beam”, *Proceedings of the Korean Institute of Bridge and Structural Engineers*, 2021.
321. H. Ahn, J.-Y. Cho, “Prediction of Maximum Deflection of RC Beam under the Low-Velocity Impact Loading”, *Proceedings of the Korean Institute of Bridge and Structural Engineers*, 2021.
322. J.-H. Lee, J.-Y. Cho, “Efficient Evaluation Process of Existing Concrete Bridges”, *Proceedings of the Korea Concrete Institute*, 34-1:189-190, 2022.
323. S. Lee, J.-M. Park, J.-Y. Cho, “Investigation into Dynamic Increase Factor of Concrete Compressive Strength Using Confined SHPB Test Technique”, *Proceedings of the Korea Concrete Institute*, 34-1:749-750, 2022.
324. K.-M. Kim, J.-Y. Cho, “Suggestion of Loading Condition Determination Method in Concrete Split Hopkinson Pressure Bar Test”, *Proceedings of the Korea Concrete Institute*, 34-1:743-744, 2022.
325. J. Ahn, H.-G. Lee, J.-Y. Cho, “Experimental Study on Local Damage of RC Wall in High-Speed Collision”, *Proceedings of the Korea Concrete Institute*, 34-1:7-8, 2022.
326. J.-L. An, M. Kim, J.-K. Choi, J.-Y. Cho, “Effect of Low Temperature on the Flexural Behavior of Reinforced Concrete Beams with Saturation Differentials”, *Proceedings of the Korea Concrete Institute*, 34-1:43-44, 2022.
327. H. Ahn, J.-H. Park, D. Hwang, J.-Y. Cho, “Experimental Study of Flexural and Shear Behavior of Concrete Tunnel Segment”, *Proceedings of the Korea Concrete Institute*, 34-1:7-8, 2022.
328. J. Ye, H. Ahn, J.-Y. Cho, “Literature Review for Suggestion of Energy-based Perforation Model for RC Panel under Hard Impact”, *Proceedings of the Korea Concrete Institute*, 34-1:75-76, 2022.
329. S. Lee, J.-Y. Cho, “Experimental Investigation into Effect of Projectile Materials on Impact Behaviors of Reinforced Concrete Panels”, *Proceedings of the Korea Institute of Military Science and Technology*, 61-62, 2022.

330. K.-M. Kim, J.-Y. Cho, "Relationship between Incident Wave Rate and Dynamic Stress Equilibrium of Specimen on Concrete Split Hopkinson Pressure Bar Tests", *Proceedings of the Korea Institute of Military Science and Technology*, 787-788, 2022.
331. J. Ahn, J.-Y. Cho, "Experimental Study on the Prediction Accuracy of Impact Resistance Performance of RC Walls", *Proceedings of the Korea Institute of Military Science and Technology*, 809-810, 2022.
332. S. Lee, J. Ye, J.-Y. Cho, "Effect of Projectile Material on Local Damages of Reinforced Concrete Panels Subjected to Impact Loading", *Proceedings of the 26th International Conference on Structural Mechanics in Reactor Technology, SMiRT26, Berlin/Potsdam, Germany, 2022*.
333. J. Ye, S. Lee, K.-M. Kim, J.-Y. Cho, "Investigation into Impact Behavior of Reinforced Concrete Panel with Steel Liner Plates under Hard Projectile Impact", *Proceedings of the 19th KEPIC-WEEK*, Jeju, South Korea, 2022.
334. J.-Y. Cho, "The Role of Laboratories in Improving Quality in Constructions (KOCED Laboratory Group)", *The III FORO Internacional Edificaciones Sustentables y la Normalizacion, Mexico, 2022*.
335. H. Ahn, J. Ye, Y. Yu, J.-Y. Cho, "Modified Empirical Formula for Prediction of the Maximum Deflection of RC Beam Subjected to Low-Velocity Impact Loading", *Proceedings of the 9th Civil Engineering Conference in Asian Region, Goa, India, 2022*.
336. J. Ye, J.-Y. Cho, "Experimental study on impact resistance of reinforced concrete panel with a steel liner", *Proceedings of the Korean Society of Civil Engineers*, 134-135, 2022.
337. S. Lee, K.-M. Kim, J.-Y. Cho, "Pure Rate Dynamic Increase Factor Model of Concrete Compressive Strength for Impact Analysis on Concrete Structures", *Proceedings of the Korean Society of Civil Engineers*, 228-229, 2022.
338. H. Ahn, J.-Y. Cho, "Effect of Support Condition on Impact Behavior of RC Beam in Drop Weight Impact Test", *Proceedings of the Korean Society of Civil Engineers*, 266-267, 2022.
339. J.-L. An, M. Kim, J.-K. Choi, J.-Y. Cho, "Fatigue Behavior of Reinforced Concrete Beam for the Coupling Effect of Freezing-thawing and Seawater Ingress", *Proceedings of the Korean Society of Civil Engineers*, 274-275, 2022.
340. D.-Y. Hwang, J.-Y. Cho, "Evaluation of Moment Redistribution in Continuous Beams Reinforced with Steel of Different Yield Strengths", *Proceedings of the Korean Society of Civil Engineers*, 280-281, 2022.
341. J. Ahn, J.-Y. Cho, "An Experimental Study on the Impact Resistance Performance of RC Wall with Increasing Rebar Ratio", *Proceedings of the Korean Society of Civil Engineers*, 292-293, 2022.
342. K.-M. Kim, S. Lee, J.-Y. Cho, "Effect of Incident Wave Rate and Specimen Length on Dynamic Stress Equilibrium of Specimen in Concrete SHPB Test", *Proceedings of the Korean Society of Civil Engineers*, 572-573, 2022.
343. J.-Y. Cho, "Needs for Standardized Test Methods of Material and Structures under Extreme Loads", *ACI Fall Convention, Dallas, Texas, 2022*.
344. H. Ahn, J.-Y. Cho, "The Impact Behavior in RC Beam According to the Support Condition and Measurement Method in the Drop Weight Impact Test", *Proceedings of the Korea Concrete Institute*, 34-2:9-10, 2022.
345. D.-Y. Hwang, J.-Y. Cho, "Analysis of Previous Studies on Moment Redistribution in Continuous Beams with High-Strength Reinforcement", *Proceedings of the Korea Concrete Institute*, 34-2:31-32, 2022.
346. J.-L. An, J.-K. Choi, J.-Y. Cho, "Fatigue Behavior of Reinforced Concrete Beam under Freezing-Thawing Environment", *Proceedings of the Korea Concrete Institute*, 34-2:57-58, 2022.
347. J. Ahn, J.-Y. Cho, "A Study of Formulae on the Impact Resistance Performance of RC Wall with Rebar Ratio", *Proceedings of the Korea Concrete Institute*, 34-2:193-194, 2022.
348. H. Lee, J.-Y. Cho, "A Study on the Behavior and Damage of Members by Explosion A Study on the Improvement of Reliability", *Proceedings of the Korea Concrete Institute*, 34-2:269-270, 2022.
349. J. Ye, J.-Y. Cho, "Numerical Study on Impact Resistance of Reinforced Concrete Panel with a Steel Liner", *Proceedings of the Korea Concrete Institute*, 34-2:287-288, 2022.
350. K.-M. Kim, J.-Y. Cho, "A Study on Standardization of Concrete Split Hopkinson Pressure Bar Test Method", *Proceedings of the Korea Concrete Institute*, 34-2:543-544, 2022.

351. H. Ahn, S. Lee, K.-M. Kim, J.-Y. Cho, “Experimental Plan for Evaluation of Applicability of Mortar Dynamic Increase Factor to Structures under Extreme Loading”, *Proceedings of the Korean Institute of Bridge and Structural Engineers*, 2022.
352. H. Lee, J.-Y. Cho, “A Suggestion on the Damage of Members by Explosion : A Study on the Improvement of Reliability”, *Proceedings of the Korean Institute of Bridge and Structural Engineers*, 2022.
353. D.-Y. Hwang, H. Ahn, J.-Y. Cho, “Effect of Reinforcement Ratio on Moment Redistribution in Continuous Beams Reinforced with High-Strength Steel”, *Proceedings of the Korean Institute of Bridge and Structural Engineers*, 2022.
354. H. Ahn, S. Lee, K.-M. Kim, J.-Y. Cho, “Drop Weight Impact Test for Investigation of Applicability of Mortar Dynamic Increase Factor”, *Proceedings of the Korea Concrete Institute*, 35-1:29-30, 2023.
355. J. Ye, J.-Y. Cho, “Suggestion of Modified Empirical Formula for Evaluation of Impact Resistance of RC Panel under Hard Impact”, *Proceedings of the Korea Concrete Institute*, 35-1:247-248, 2023.
356. H. Lee, J.-Y. Cho, “Propose Shock Tube Performance for Evaluating Blast Resistance of Structural Elements”, *Proceedings of the Korea Concrete Institute*, 35-1:251-252, 2023.
357. D.-Y. Hwang, J.-Y. Cho, “Effect of Steel Yield Strength on Moment Redistribution”, *Proceedings of the Korea Concrete Institute*, 35-1:33-34, 2023.
358. S. Lee, H. Ahn, K.-M. Kim, J.-Y. Cho, “Experimental Investigation into Dynamic Material Properties of Concrete and Mortar Specimens”, *Proceedings of the Korea Concrete Institute*, 35-1:557-558, 2023.
359. J. Ahn, J.-Y. Cho, “Local Damage Prediction in RC Walls under High-Speed Impact with a Modified Formula Considering Rebar Ratio”, *Proceedings of the Korea Concrete Institute*, 35-1:189-190, 2023.
360. J.-L. An, M. Kim, J.-K. Choi, J.-Y. Cho, “Fatigue Behavior of Reinforced High Strength Concrete Beams Under Freeze-thaw Cycles”, *Proceedings of the Korea Concrete Institute*, 35-1:55-56, 2023.
361. S.-H. Kim, J.-Y. Cho, “Domestic and International Design Codes of TBM Segment Joint”, *Proceedings of the Korea Concrete Institute*, 35-1:173-174, 2023.
362. N. Oh, J.-Y. Cho, “A Study on Modeling Methods for Reinforced Concrete Panel Subjected to Impact Loading Using LS-DYNA”, *Proceedings of the Korea Concrete Institute*, 35-1:261-262, 2023.
363. J. Ye, J.-Y. Cho, “Experimental Study on Effect of Steel Liner on Impact Resistance of Reinforced Concrete Panel in NPP Structures”, *The 34th International Symposium on Shock Waves, ISSW*, Daegu, Korea, 2023.
364. H. Lee, J.-Y. Cho, “Literature Review of shock response of RC panel and beam”, *The 34th International Symposium on Shock Waves, ISSW*, Daegu, Korea, 2023.
365. J. Ye, J.-Y. Cho, “Experimental Study on Effect of Steel Liner on Impact Resistance of Reinforced Concrete Panel under High-Velocity Impact”, *Proceedings of the Korean Institute of Bridge and Structural Engineers*, 2023.
366. N. Oh, J.-Y. Cho, “Research on Effective Modeling Methods for Collision Analysis of Reinforced Concrete Walls”, *Proceedings of the Korean Institute of Bridge and Structural Engineers*, 2023.
367. S.-H. Kim, J.-Y. Cho, “An Analytical Study on the Experimental Conditions of TBM Segment Flexural test Considering Axial Force”, *Proceedings of the Korean Institute of Bridge and Structural Engineers*, 2023.
368. J.-L. An, J.-Y. Cho, J.-K. Choi, “Static Behavior of RC Beam under the Combined Effect of Freeze-thaw Cycles and Seawater”, *Proceedings of the Korean Society of Civil Engineers*, 411-412, 2023.
369. H. Ahn, J.-Y. Cho, “Experimental Study of Impact Force Measurement Method for Drop Weight Impact Test”, *Proceedings of the Korean Society of Civil Engineers*, 146-147, 2023.
370. J. Ye, N. Oh, J.-Y. Cho, “Survey of Domestic Construction Technologies and Improvements for New Town”, *Proceedings of the Korean Society of Civil Engineers*, 3-4, 2023.
371. D.-Y. Hwang, J.-Y. Cho, “Specimen Design to Investigate Effect of Steel Yield Strength on Moment Redistribution”, *Proceedings of the Korean Society of Civil Engineers*, 186-187, 2023.
372. H. Lee, J.-Y. Cho, “Propose Shock Tube Performance for Evaluating Blast Resistance of Structural Elements”, *Proceedings of the Korean Society of Civil Engineers*, 90-91, 2023.

373. N. Oh, J.-Y. Cho, “Research on Effective Modeling Methods for Collision Analysis of Reinforced Concrete Walls”, *Proceedings of the Korean Society of Civil Engineers*, 345-346, 2023.
374. S.-H. Kim, J.-Y. Cho, “An Analytical Study on the Experimental Conditions of TBM Segment Flexural test Considering Axial Force”, *Proceedings of the Korean Society of Civil Engineers*, 157-158, 2023.
375. H. Ahn, J. Ye, J.-Y. Cho, “The Maximum Deflection Considering the Effect of Flexural Stiffness of RC Beam under Low-Velocity Impact Loads”, *ACI Fall Convention*, Boston, USA, 2023.
376. J.-L. An, J.-K. Choi, J.-Y. Cho, “Effect of Concrete Strength on the Fatigue Behavior of RC Beam under Freeze-thaw Cycles”, *Proceedings of the Korea Concrete Institute*, 35-2:27-28, 2023.
377. J. Ye, N. Oh, J.-Y. Cho, “Study for the Establishment of Numerical Models for Impact-Resistant Design of RC Panels”, *Proceedings of the Korea Concrete Institute*, 35-2:217-218, 2023.
378. D.-Y. Hwang, J.-M. Park, J.-Y. Cho, “Experimental Study on Moment Redistribution in Continuous Beams Reinforced with High-Strength Steel”, *Proceedings of the Korea Concrete Institute*, 35-2:51-52, 2023.
379. H. Lee, J.-Y. Cho, “Shock Tube Design for Structural Component Blast Protection Performance Evaluation”, *Proceedings of the Korea Concrete Institute*, 35-2:717-718, 2023.
380. N. Oh, J.-Y. Cho, “Research on Collision Analysis of RC Walls Using FEM-SPH Method”, *Proceedings of the Korea Concrete Institute*, 35-2:219-220, 2023.
381. S.-H. Kim, H. Ahn, J.-Y. Cho, “An Analytical Study on the Experimental Conditions of TBM Segment Flexural Test”, *Proceedings of the Korea Concrete Institute*, 35-2:263-264, 2023.
382. **H. Ahn, N. Oh, Y. Yu, J.-Y. Cho, “Flexural Behavior of RC Beam by Low-Velocity Impact Loading”, *Proceedings of the 27th International Conference on Structural Mechanics in Reactor Technology, SMiRT27, Yokohama, Japan, 2024.***
383. **S. Lee, J. Ye, Y. Yu, J.-Y. Cho, “Suggestion and Verification of Pure Rate Dynamic Increase Factor Model for Concrete Compressive Strength”, *Proceedings of the 27th International Conference on Structural Mechanics in Reactor Technology, SMiRT27, Yokohama, Japan, 2024.***
384. J. Ye, J.-M. Park, J.-Y. Cho, “A Review for Experimental and Numerical Studies on Structures under Impact Loadings”, *Proceedings of the Korea Concrete Institute*, 36-1:67-68, 2024.
385. S.-H. Kim, H. Ahn, J.-Y. Cho, “The Optimum Experimental Conditions of TBM Segment Flexural Test”, *Proceedings of the Korea Concrete Institute*, 36-1:93-94, 2024.
386. J.-L. An, J.-K. Choi, J.-Y. Cho, “Effect of Concrete Strength on Flexure Behavior of RC Beam under Freeze-thaw Cycles”, *Proceedings of the Korea Concrete Institute*, 36-1:145-146, 2024.
387. H. Ahn, S.-H. Kim, J.-Y. Cho, “Numerical Study of Support Condition Effects on Flexural Performance Test of TBM Tunnel Segments”, *Proceedings of the Korea Concrete Institute*, 36-1:203-204, 2024.
388. N. Oh, J.-Y. Cho, “A Numerical Analysis Study on the Localized Behavior of RC Walls subjected to Projectile Impact Loads”, *Proceedings of the Korea Concrete Institute*, 36-1:227-228, 2024.
389. K. Florent, J. Ye, J.-Y. Cho, “Effects of Reinforcement on RC Panels Resistance under Hard Missile in High-Speed Condition”, *Proceedings of the Korea Concrete Institute*, 36-1:233-232, 2024.
390. H. Ahn, J. Ye, J.-Y. Cho, “Impact force measurement method for drop-weight impact test on concrete members”, *Proceedings of the Korean Institute of Bridge and Structural Engineers*, 2024.
391. J. Ye, J.-Y. Cho, “Numerical Study on the Effect of Rear Steel Liner on the Impact Resistance of RC Panels”, *Proceedings of the Korean Society of Civil Engineers*, 10-11, 2024.
392. H. Ahn, S. Lee, J. Ye, J.-Y. Cho, “Experimental Study for Proposing the Dynamic Increase Factor of Reinforcing Steel”, *Proceedings of the Korean Society of Civil Engineers*, 53-54, 2024.
393. J.-L. An, J.-Y. Cho, J.-K. Choi, “Evaluation of Shrinkage of RC Beams under the Combined Effect of Freeze-thaw Cycles and Seawater”, *Proceedings of the Korean Society of Civil Engineers*, 106-107, 2024.
394. J. Ahn, J.-Y. Cho, “Evaluation of the Influence of Reinforcement Ratio on the Penetration Depth of RC Walls under

- Small Caliber Projectile Impact”, *Proceedings of the Korea Concrete Institute*, 36-2:97-98, 2024.
395. H. Ahn, J. Ye, S.-H. Lee, J.-Y. Cho, “Experimental Study of Dynamic Behavior of Reinforcing Bars under the High-rate Loading”, *Proceedings of the Korea Concrete Institute*, 36-2:133-134, 2024.
396. J. Ye, J.-Y. Cho, “Literature Review for the Suggestion of Impact-Resistant Design Guidelines of Steel-Plate Concrete Panels”, *Proceedings of the Korea Concrete Institute*, 36-2:17-18, 2024.
397. **J. Ye, H. Ahn, J.-Y. Cho**, “**Enhancing Impact Resistance in Nuclear Power Plant Structures: A Comprehensive Study on Reinforced Concrete Panels**”, *fib Symposium 2024, Christchurch, New Zealand, 2024*.
398. J. Ye, H. Ahn, Y.-C. Park, J.-Y. Cho, “Analytical Investigation of the Effect of Contact Stiffness on Impact Response of RC Panels under Impact Loads”, *Proceedings of the Korea Concrete Institute*, 37-1:111-112, 2025.
399. S.-H. Lee, H. Ahn, J. Ye, J.-Y. Cho, “Literature Review of the Hypervelocity Impact Behavior of Concrete Structures”, *Proceedings of the Korea Concrete Institute*, 37-1:75-76, 2025.
400. **H. Ahn, J. Ye, J.-Y. Cho**, “**Experiment Investigation for Dynamic Increase Factor of Reinforcing Bars**”, *Proceedings of the 28th International Conference on Structural Mechanics in Reactor Technology, SMiRT28, Toronto, Canada, 2025*.
401. J. Ye, H. Ahn, S.-H. Lee, Y.-C. Park, J.-Y. Cho, “Numerical Study on Stud and Tie-bar Effects in SC Walls under Impact Loading”, *Proceedings of the Korean Institute of Bridge and Structural Engineers*, 2025.
402. **J. Ye, H. Ahn, J.-Y. Cho**, “**Evaluation of Impact Resistance and Design Optimization of Steel-plate Concrete (SC) Walls for Critical Infrastructure**”, *Proceedings of the 10th Civil Engineering Conference in Asian Region, 2025*
403. **H. Ahn, J. Ye, J.-Y. Cho**, “**Dynamic Increase Factor of Reinforcing Steel with Full Section**”, *Proceedings of the 10th Civil Engineering Conference in Asian Region, 2025*
404. **J. Ye, H. Ahn, J.-Y. Cho**, “**Large-Scale Testing Centers and Their Role in Improving Construction**”, *Proceedings of the 10th Civil Engineering Conference in Asian Region, 2025*
405. H. Ahn, J. Ye, S. Yoon, J.-Y. Cho, “Physics-Informed Machine Learning Approach for Maximum Deflection and Impact Velocity Prediction of RC Beams Subjected Low-Velocity Impact”, *Proceedings of the Korea Concrete Institute*, 37-2:199-200, 2025.
406. J. Ye, H. Ahn, J.-Y. Cho, “Analytical Evaluation of Composite Behavior for Impact Resistance of Steel-Plate Concrete Walls”, *Proceedings of the Korea Concrete Institute*, 37-2:113-114, 2025.
407. Y.-C. Park, H. Ahn, J. Ye, S.-H. Lee, J.-Y. Cho, “Experimental Study on Hypervelocity Impact Behavior of Concrete for Space Base Construction”, *Proceedings of the Korea Concrete Institute*, 37-2:25-26, 2025.
408. S.-H. Lee, H. Ahn, J. Ye, Y.-C. Park, J.-Y. Cho, “Literature Review for Rotational Stiffness Models of SFRC Segment Joints”, *Proceedings of the Korea Concrete Institute*, 37-2:515-516, 2025.
409. H. Ahn, Y. Yu, J. Ye, J.-Y. Cho, “Proposing a Dynamic Increase Factor Model of Reinforcing Steel under High Strain rate”, *Proceedings of the Korean Society of Civil Engineers*, 00-00, 2025.
410. J. Ye, Y.-C. Park, J.-Y. Cho, “Numerical Study on Effects of Stud Bolts and Tie Bars on the Impact Resistance of Steel-Plate Concrete Panel”, *Proceedings of the Korean Society of Civil Engineers*, 00-00, 2025.
411. S.-H. Lee, H. Ahn, J. Ye, Y.-C. Park, J.-Y. Cho, “Study on Hypervelocity Impact Behavior of Concrete under MMOD-like Conditions”, *Proceedings of the Korean Society of Civil Engineers*, 00-00, 2025.

Patent

1. **J.-Y. Cho**, J. Oh, “Bridge Bearing Using the Shape-Memory-Alloy”, 10-0950861, 2010/03/25.
2. **J.-Y. Cho**, S.-Y. Koh, J.-I. Park, “The Tube Tunnel Constructed in an Underground Tunnel and Its Construction Method”, 10-0998649, 2010/11/30.
3. **J.-Y. Cho**, J.-I. Park, “A Underground Tunnel and Its Construction Method Using a Consecutive Extruding Method”,

10-1025071, 2011/03/18.

4. **J.-Y. Cho**, J.-I. Park, “A Underground Tunnel Structure and Its Construction Method Using a Consecutive Extruding Method”, 10-1025075, 2011/03/18.
5. **J.-Y. Cho**, B. Park, J. Y. Kim, “Estimation Method and Apparatus of Chloride Ion Diffusion Coefficient Using Short-Term Immersion Method”, 10-1309001, 2013/09/10.
6. **J.-Y. Cho**, J.-M. Park, “Similitude Law and Pseudo-dynamic Test Method of Reinforced Concrete Structure by Modifying Analytic Parameter Considering Measured Strain Data”, 10-2016-0103699, 2016/08/05.
7. H.-S. Lee, H.-M. Koh, M.-S. Park, S.-W. Shin, B.-N. Lee, S.-K. Lee, **J.-Y. Cho**, S.-H. Chi, “A Business Model for Construction Knowledge HUB Center Operating”, 10-2017-0007899, 2017/01/17, 10-19792420000, 2019/05/10.
8. H.-S. Lee, H.-M. Koh, B.-N. Lee, Y.-O. Kim, **J.-Y. Cho**, S.-W. Shin, S.-K. Lee, “The Information Infrastructure Supply Method of Global Human Resources in Construction”, 10-2017-0031090, 2017/03/13. 10-2073054, 2020/01/29.
9. H.-S. Lee, B.-N. Lee, H.-M. Koh, M.-S. Park, **J.-Y. Cho**, S.-H. Chi, S.-W. Shin, S.-K. Lee, “Knowledge Providing Method in Construction Knowledge HUB Center”, 10-2018-0003908, 2018/01/11, 10-19792420000, 2019/05/10.
10. **J.-Y. Cho**, K.-T. Kim, Y. Yu, S. Won, “Load Test Apparatus in Extreme Temperature Chamber”, 10-2019.0018349, 2019/02/18.
11. **J.-Y. Cho**, K.-T. Kim, S. Lee, S. Won, “Apparatus and Method for Moving and Installing Specimen in High Velocity Propulsion Impact Testing Machine”, 10-2019-0018357, 2019/02/18, 10-214832100000, 2020/08/20.
12. **J.-Y. Cho**, K.-T. Kim, Y. Yu, S. Won, “Apparatus and Method for Drop Weight Impact Test”, 10-2019-0018358, 2019/02/18, 10-21483220000, 2020/08/20.