# Stefano Pampanin

List of Publications by Year
in descending order

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Version: 2024-02-01

| 120 | 3,937 | 126907 33 | 144013 57 |
|---|---|---|---|
| papers | citations | h-index | g-index |
| 121 | 121 | 121 | 1782 |
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Quasiâ€static and pseudoâ€dynamic testing of unbonded postâ€tensioned rocking bridge piers with external replaceable dissipaters. Earthquake Engineering and Structural Dynamics, 2009, 38, 331-354. | 4.4 | 245 |
| 2 | Seismic performance of reinforced concrete buildings in the 22 February Christchurch (Lyttelton) earthquake. Bulletin of the New Zealand Society for Earthquake Engineering, 2011, 44, 239-278. | 0.5 | 206 |
| 3 | PERFORMANCE-BASED SEISMIC RESPONSE OF FRAME STRUCTURES INCLUDING RESIDUAL DEFORMATIONS. PART I: SINGLE-DEGREE OF FREEDOM SYSTEMS. Journal of Earthquake Engineering, 2003, 7, 97-118. | 2.5 | 176 |
| 4 | Multi-Storey Prestressed Timber Buildings in New Zealand. Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE), 2008, 18, 166-173. | 0.8 | 111 |
| 5 | PERFORMANCE-BASED SEISMIC RESPONSE OF FRAME STRUCTURES INCLUDING RESIDUAL DEFORMATIONS. PART II: MULTI-DEGREE OF FREEDOM SYSTEMS. Journal of Earthquake Engineering, 2003, 7, 119-147. | 2.5 | 110 |
| 6 | Dynamic testing of precast, post-tensioned rocking wall systems with alternative dissipating solutions. Bulletin of the New Zealand Society for Earthquake Engineering, 2008, 41, 90-103. | 0.5 | 104 |
| 7 | Effectiveness of simple approaches in mitigating residual deformations in buildings. Earthquake Engineering and Structural Dynamics, 2007, 36, 1763-1783. | 4.4 | 99 |
| 8 | Performance-Based Seismic Retrofit Strategy for Existing Reinforced Concrete Frame Systems Using Fiber-Reinforced Polymer Composites. Journal of Composites for Construction, 2007, 11, 211-226. | 3.2 | 95 |
| 9 | The seismic performance of RC buildings in the 22 February 2011 Christchurch earthquake. Structural Concrete, 2011, 12, 223-233. | 3.1 | 95 |
| 10 | CONCEPT AND DEVELOPMENT OF HYBRID SOLUTIONS FOR SEISMIC RESISTANT BRIDGE SYSTEMS. Journal of Earthquake Engineering, 2005, 9, 899-921. | 2.5 | 90 |
| 11 | RELEVANCE OF BEAM-COLUMN JOINT DAMAGE AND COLLAPSE IN RC FRAME ASSESSMENT. Journal of Earthquake Engineering, 2002, 6, 75-100. | 2.5 | 88 |
| 12 | Fuse-Type External Replaceable Dissipaters: Experimental Program and Numerical Modeling. Journal of Structural Engineering, 2016, 142, . | 3.4 | 88 |
| 13 | Selfâ€centering structural systems with combination of hysteretic and viscous energy dissipations. Earthquake Engineering and Structural Dynamics, 2010, 39, 1083-1108. | 4.4 | 83 |
| 14 | Development and validation of a metallic haunch seismic retrofit solution for existing under-designed RC frame buildings. Earthquake Engineering and Structural Dynamics, 2006, 35, 1739-1766. | 4.4 | 76 |
| 15 | Biaxial testing of unbonded postâ€tensioned rocking bridge piers with external replacable dissipaters. Earthquake Engineering and Structural Dynamics, 2011, 40, 1723-1741. | 4.4 | 70 |
| 16 | Development of Probabilistic Framework for Performance-Based Seismic Assessment of Structures Considering Residual Deformations. Journal of Earthquake Engineering, 2010, 14, 1092-1111. | 2.5 | 69 |
| 17 | Emerging Solutions for High Seismic Performance of Precast/Prestressed Concrete Buildings. Journal of Advanced Concrete Technology, 2005, 3, 207-223. | 1.8 | 66 |
| 18 | Repair Costs of Existing RC Buildings Damaged by the L'Aquila Earthquake and Comparison with FEMA P-58 Predictions. Earthquake Spectra, 2018, 34, 237-263. | 3.1 | 66 |

| # | Article | IF | Citations |
| --- | --- | --- | --- |
| 19 | Effects of Variation of Axial Load and Bidirectional Loading on Seismic Performance of GFRP Retrofitted Reinforced Concrete Exterior Beam-Column Joints. Journal of Composites for Construction, 2010, 14, 94-104. | 3.2 | 64 |
| 20 | Assessment and Design Procedure for the Seismic Retrofit of Reinforced Concrete Beam-Column Joints using FRP Composite Materials. Journal of Composites for Construction, 2012, 16, 21-34. | 3.2 | 64 |
| 21 | The sliding hinge joint moment connection. Bulletin of the New Zealand Society for Earthquake Engineering, 2010, 43, 202-212. | 0.5 | 61 |
| 22 | Quasi-Static Cyclic Testing of Two-Thirds Scale Unbonded Posttensioned Rocking Dissipative Timber Walls. Journal of Structural Engineering, 2016, 142, . | 3.4 | 59 |
| 23 | Experimental Evaluation of the In-Plane Stiffness of Timber Diaphragms. Earthquake Spectra, 2012, 28, 1687-1709. | 3.1 | 56 |
| 24 | Post-Tensioned Glulam Beam-Column Joints with Advanced Damping Systems: Testing and Numerical Analysis. Journal of Earthquake Engineering, 2014, 18, 147-167. | 2.5 | 56 |
| 25 | Probabilistic evaluation of soilâ€“foundationâ€“structure interaction effects on seismic structural response. Earthquake Engineering and Structural Dynamics, 2011, 40, 135-154. | 4.4 | 51 |
| 26 | Numerical Modeling of Rectangular Reinforced Concrete Structural Walls. Journal of Structural Engineering, 2017, 143, . | 3.4 | 51 |
| 27 | Seismic Performance of Full-Scale Post-Tensioned Timber Beam-Column Connections. Journal of Earthquake Engineering, 2016, 20, 383-405. | 2.5 | 50 |
| 28 | Seismic Performance of Vertical Nonstructural Components in the 22 February 2011 Christchurch Earthquake. Earthquake Spectra, 2014, 30, 401-425. | 3.1 | 46 |
| 29 | Low damage seismic solutions for non-structural drywall partitions. Bulletin of Earthquake Engineering, 2015, 13, 1029-1050. | 4.1 | 44 |
| 30 | Development and Testing of an Alternative Dissipative Posttensioned Rocking Timber Wall with Boundary Columns. Journal of Structural Engineering, 2016, 142, . | 3.4 | 42 |
| 31 | Seismic performance of reinforced concrete buildings in the September 2010 Darfield (Canterbury) earthquake. Bulletin of the New Zealand Society for Earthquake Engineering, 2010, 43, 340-350. | 0.5 | 41 |
| 32 | Title is missing!. Journal of Earthquake Engineering, 2003, 7, 119. | 2.5 | 38 |
| 33 | Seismic testing of post-tensioned Pres-Lam core walls using cross laminated timber. Engineering Structures, 2018, 167, 639-654. | 5.3 | 38 |
| 34 | Pres-Lam Buildings: State-of-the-Art. Journal of Structural Engineering, 2020, 146, . | 3.4 | 36 |
| 35 | Seismic performance of non-structural components and contents in buildings: an overview of NZ research. Earthquake Engineering and Engineering Vibration, 2016, 15, 1-17. | 2.3 | 35 |
| 36 | Shaking table testing of post-tensioned timber frame building with passive energy dissipation systems. Bulletin of Earthquake Engineering, 2017, 15, 4475-4498. | 4.1 | 35 |

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| 37 | Reality-check and renewed challenges in earthquake engineering. Bulletin of the New Zealand Society for Earthquake Engineering, 2012, 45, 137-160. | 0.5 | 35 |
| 38 | Non-linear analysis of RC masonry-infilled frames using the SLaMA method: part 1â€"mechanical interpretation of the infill/frame interaction and formulation of the procedure. Bulletin of Earthquake Engineering, 2019, 17, 3283-3304. | 4.1 | 34 |
| 39 | Damage Evaluations of Precast Concrete Structures in the 2010â€"2011 Canterbury Earthquake Sequence. Earthquake Spectra, 2014, 30, 277-306. | 3.1 | 33 |
| 40 | Postyield Bond Deterioration and Damage Assessment of RC Beams Using Distributed Fiber-Optic Strain Sensing System. Journal of Structural Engineering, 2019, 145, . | 3.4 | 33 |
| 41 | Performance of road bridges during the 14 November 2016 KaikÅura Earthquake. Bulletin of the New Zealand Society for Earthquake Engineering, 2017, 50, 253-270. | 0.5 | 33 |
| 42 | Refinement and Validation of the Simple Lateral Mechanism Analysis (SLaMA) Procedure for RC Frames. Journal of Earthquake Engineering, 2021, 25, 1227-1255. | 2.5 | 31 |
| 43 | Facade damage assessment of multi-storey buildings in the 2011 Christchurch earthquake. Bulletin of the New Zealand Society for Earthquake Engineering, 2011, 44, 368-376. | 0.5 | 30 |
| 44 | Enhanced Seismic Performance of Hybrid Bridge Systems: Comparison with Traditional Monolithic Solutions. Journal of Earthquake Engineering, 2008, 12, 1267-1295. | 2.5 | 29 |
| 45 | Rocking Cantilever Clay Brick Infill Wall Panels: A Novel Low Damage Infill Wall System. Journal of Earthquake Engineering, 2017, 21, 1023-1049. | 2.5 | 28 |
| 46 | Evolution of outâ€ofâ€plane deformation and subsequent instability in rectangular RC walls under inâ€plane cyclic loading: Experimental observation. Earthquake Engineering and Structural Dynamics, 2018, 47, 2944-2964. | 4.4 | 28 |
| 47 | Title is missing!. Journal of Earthquake Engineering, 2001, 5, 329. | 2.5 | 25 |
| 48 | Validation of a Numerical Model for Prediction of Out-of-Plane Instability in Ductile Structural Walls under Concentric In-Plane Cyclic Loading. Journal of Structural Engineering, 2018, 144, . | 3.4 | 25 |
| 49 | Determination of the seismic performance factors for postâ€tensioned rocking timber wall systems. Earthquake Engineering and Structural Dynamics, 2017, 46, 181-200. | 4.4 | 24 |
| 50 | Experimental Testing of a Low-Damage Post-Tensioned C-Shaped CLT Core-Wall. Journal of Structural Engineering, 2021, 147, . | 3.4 | 24 |
| 51 | The Role of Inelastic Torsion in the Determination of Residual Deformations. Journal of Earthquake Engineering, 2007, 11, 133-157. | 2.5 | 23 |
| 52 | Seismic resilience of plywood-coupled LVL wall panels. Engineering Structures, 2018, 167, 750-759. | 5.3 | 23 |
| 53 | Displacement based design of post-tensioned timber framed buildings with dissipative rocking mechanism. Soil Dynamics and Earthquake Engineering, 2019, 116, 317-330. | 3.8 | 23 |
| 54 | Implementation and Validation of the Simple Lateral Mechanism Analysis (SLaMA) for the Seismic Performance Assessment of a Damaged Case Study Building. Journal of Earthquake Engineering, 2020, 24, 1771-1802. | 2.5 | 23 |

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| 55 | Geotechnical and Structural Aspects of the 2010â€“2011 Christchurch (New Zealand) Earthquakes. Springer Environmental Science and Engineering, 2013, , 1-35. | 0.1 | 22 |
| 56 | FaÃ§ade damage assessment of concrete buildings in the 2011 Christchurch earthquake. Structural Concrete, 2012, 13, 3-13. | 3.1 | 21 |
| 57 | A parametric investigation on applicability of the curved shell finite element model to nonlinear response prediction of planar RC walls. Bulletin of Earthquake Engineering, 2019, 17, 6515-6546. | 4.1 | 21 |
| 58 | Non-linear analysis of RC masonry-infilled frames using the SLaMA method: part 2â€”parametric analysis and validation of the procedure. Bulletin of Earthquake Engineering, 2019, 17, 3305-3326. | 4.1 | 21 |
| 59 | Analytical seismic assessment of RC dual wall/frame systems using SLaMA: Proposal and validation. Engineering Structures, 2019, 188, 493-505. | 5.3 | 20 |
| 60 | Controversial aspects in seismic assessment and retrofit of structures in modern times. Bulletin of the New Zealand Society for Earthquake Engineering, 2006, 39, 120-133. | 0.5 | 20 |
| 61 | Tests on slender ductile structural walls designed according to New Zealand Standard. Bulletin of the New Zealand Society for Earthquake Engineering, 2017, 50, 504-516. | 0.5 | 20 |
| 62 | Experimental Test and Validation of a Direction- and Displacement-Dependent Viscous Damper. Journal of Engineering Mechanics - ASCE, 2017, 143, . | 2.9 | 19 |
| 63 | Strength Hierarchy at Reinforced Concrete Beam-Column Joints and Global Capacity. Journal of Earthquake Engineering, 2018, 22, 454-487. | 2.5 | 19 |
| 64 | Blind prediction of in-plane and out-of-plane responses for a thin singly reinforced concrete flanged wall specimen. Bulletin of Earthquake Engineering, 2018, 16, 427-458. | 4.1 | 19 |
| 65 | NMIT Arts & Media Buildingâ€”Innovative structural design of a three storey post-tensioned timber building. Case Studies in Structural Engineering, 2016, 6, 76-83. | 1.6 | 18 |
| 66 | Shakeâ€table tests of innovative drift sensitive nonstructural elements in a lowâ€damage structural system. Earthquake Engineering and Structural Dynamics, 2021, 50, 2398-2420. | 4.4 | 18 |
| 67 | Evaluation and control of the in-plane stiffness of timber floors for the performance-based retrofit of URM buildings. Bulletin of the New Zealand Society for Earthquake Engineering, 2009, 42, 204-221. | 0.5 | 18 |
| 68 | Long-Term Behavior of LVL Posttensioned Timber Beams. Journal of Structural Engineering, 2017, 143, . | 3.4 | 15 |
| 69 | Seismic Behavior of a Self-Centering System with 2â€“4 Viscous Damper. Journal of Earthquake Engineering, 2020, 24, 470-484. | 2.5 | 15 |
| 70 | Towards the â€œUltimate Earthquake-Proofâ€•Building: Development of an Integrated Low-Damage System. Geotechnical, Geological and Earthquake Engineering, 2015, , 321-358. | 0.2 | 15 |
| 71 | Focusing on reducing the earthquake damage to facade systems. Bulletin of the New Zealand Society for Earthquake Engineering, 2011, 44, 108-120. | 0.5 | 15 |
| 72 | In-Plane Experimental Testing of Timber-Concrete Composite Floor Diaphragms. Journal of Structural Engineering, 2010, 136, 1461-1468. | 3.4 | 14 |

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| 73 | Seismic design of yielding structures on flexible foundations. Earthquake Engineering and Structural Dynamics, 2015, 44, 1805-1821. | 4.4 | 13 |
| 74 | Damping reduction factors and codeâ€based design equation for structures using semiâ€active viscous dampers. Earthquake Engineering and Structural Dynamics, 2016, 45, 2533-2550. | 4.4 | 12 |
| 75 | Diaphragm Connections in Structures with Rocking Timber Walls. Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE), 2017, 27, 165-174. | 0.8 | 12 |
| 76 | Seismic demands on nonstructural components anchored to concrete accounting for structureâ€fastenerâ€nonstructural interaction (SFNI). Earthquake Engineering and Structural Dynamics, 2020, 49, 589-606. | 4.4 | 12 |
| 77 | A parametric study on out-of-plane instability of doubly reinforced structural walls. Part I: FEM predictions. Bulletin of Earthquake Engineering, 2020, 18, 3747-3780. | 4.1 | 12 |
| 78 | Comparison of traditional vs low-damage structural and non-structural building systems through a cost/performance-based evaluation. Earthquake Spectra, 2021, 37, 366-385. | 3.1 | 12 |
| 79 | Experimental testing and analytical modelling of single and double post-tensioned CLT shear walls. Engineering Structures, 2022, 256, 114065. | 5.3 | 12 |
| 80 | Post-event damage assessment of concrete using the fluorescent microscopy technique. Cement and Concrete Research, 2017, 102, 203-211. | 11.0 | 11 |
| 81 | Material Property Uncertainties versus Joint Structural Detailing: Relative Effect on the Seismic Fragility of Reinforced Concrete Frames. Journal of Structural Engineering, 2021, 147, . | 3.4 | 11 |
| 82 | Alternative Performance-Based Retrofit Strategies and Solutions for Existing RC Buildings. Geotechnical, Geological and Earthquake Engineering, 2009, , 267-295. | 0.2 | 10 |
| 83 | Out-of-Plane Response of In-Plane-Loaded Ductile Structural Walls: State-of-the-Art and Classification of the Observed Mechanisms. Journal of Earthquake Engineering, 2022, 26, 1325-1346. | 2.5 | 10 |
| 84 | A computational framework for selecting the optimal combination of seismic retrofit and insurance coverage. Computer-Aided Civil and Infrastructure Engineering, 2022, 37, 956-975. | 9.8 | 10 |
| 85 | Seismic performance of alternative risk-reduction retrofit strategies to support decision making. Bulletin of Earthquake Engineering, 2018, 16, 3001-3030. | 4.1 | 9 |
| 86 | Lateral performance of a Pres-Lam frame designed for gravity loads. Engineering Structures, 2016, 122, 33-41. | 5.3 | 8 |
| 87 | Development of steel angles as energy dissipation devices for rocking connections. Structural Concrete, 2018, 19, 1657-1671. | 3.1 | 8 |
| 88 | Long-term strain-ageing effects on low-carbon steel reinforcement. Construction and Building Materials, 2019, 228, 116606. | 7.2 | 8 |
| 89 | Seismic Design Framework Based on Loss-performance Matrix. Journal of Earthquake Engineering, 2022, 26, 4325-4345. | 2.5 | 8 |
| 90 | Smart semi-active MR damper to control the structural response. Bulletin of the New Zealand Society for Earthquake Engineering, 2015, 48, 235-244. | 0.5 | 8 |

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| 91 | The implications of post-tensioning losses on the seismic response of Pres-Lam frames. Bulletin of the New Zealand Society for Earthquake Engineering, 2018, 51, 57-69. | 0.5 | 8 |
| 92 | Monotonic and low-cycle fatigue properties of earthquake-damaged New Zealand steel reinforcing bars. The experience after the Christchurch 2010/2011 earthquakes. Procedia Structural Integrity, 2018, 11, 194-201. | 0.8 | 7 |
| 93 | Experimental study on the effects of biâ€directional loading pattern on rectangular reinforced concrete walls. Earthquake Engineering and Structural Dynamics, 2021, 50, 2010-2030. | 4.4 | 7 |
| 94 | Damage states and cyclic behaviour of drywalls infilled within RC frames. Bulletin of the New Zealand Society for Earthquake Engineering, 2012, 45, 84-94. | 0.5 | 7 |
| 95 | Design of base-isolated buildings. Bulletin of the New Zealand Society for Earthquake Engineering, 2015, 48, 118-135. | 0.5 | 7 |
| 96 | RESEARCH PROGRAMME ON SEISMIC PERFORMANCE OF REINFORCED CONCRETE WALLS: KEY RECOMMENDATIONS. Bulletin of the New Zealand Society for Earthquake Engineering, 2020, 53, 54-69. | 0.5 | 7 |
| 97 | Comparative in-plane pushover response of a typical RC rectangular wall designed by different standards. Earthquake and Structures, 2014, 7, 667-689. | 1.0 | 6 |
| 98 | Fragility-based methodology for evaluating the time-dependent seismic performance of post-tensioned timber frames. Earthquake Spectra, 2020, 36, 322-352. | 3.1 | 6 |
| 99 | A parametric study on out-of-plane instability of doubly reinforced structural walls. Part II: Experimental investigation. Bulletin of Earthquake Engineering, 2020, 18, 5193-5220. | 4.1 | 6 |
| 100 | Preliminary observations from biaxial testing of a two-storey, two-by-one bay, reinforced concrete slotted beam superassembly. Bulletin of the New Zealand Society for Earthquake Engineering, 2012, 45, 97-104. | 0.5 | 6 |
| 101 | Overview of Connection Detailing for Post-tensioned Dissipative Timber Frames. Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE), 2020, 30, 209-216. | 0.8 | 5 |
| 102 | Performance-Based Issues from the 22 February 2011 Christchurch Earthquake. Geotechnical, Geological and Earthquake Engineering, 2014, , 159-175. | 0.2 | 5 |
| 103 | Shake table tests of concrete anchors for non-structural components including innovative and alternative anchorage detailing. Bulletin of Earthquake Engineering, 2022, 20, 3971-3993. | 4.1 | 5 |
| 104 | An integrated performanceâ€based design framework for buildingâ€foundation systems. Earthquake Engineering and Structural Dynamics, 2021, 50, 718-735. | 4.4 | 4 |
| 105 | Design recommendations to prevent global out-of-plane instability of rectangular reinforced concrete ductile walls. Bulletin of the New Zealand Society for Earthquake Engineering, 2021, 54, 211-227. | 0.5 | 3 |
| 106 | Behaviour of post-tensioned timber columns under bi-directional seismic loading. Bulletin of the New Zealand Society for Earthquake Engineering, 2014, 47, 41-53. | 0.5 | 3 |
| 107 | Damage-Control Self-Centering Structures: From Laboratory Testing to On-site Applications. Geotechnical, Geological and Earthquake Engineering, 2010, , 297-308. | 0.2 | 3 |
| 108 | Strain-ageing effects on the residual low-cycle fatigue life of low-carbon steel reinforcement. Materials and Structures/Materiaux Et Constructions, 2022, 55, 1. | 3.1 | 3 |

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| 109 | Residual Capacity and Permeability-Based Damage Assessment of Concrete in Damaged RC Columns. Journal of Materials in Civil Engineering, 2018, 30, . | 2.9 | 2 |
| 110 | Displacement-based design of soilâ€"foundationâ€"structure systems. Proceedings of the Institution of Civil Engineers: Geotechnical Engineering, 2019, 172, 16-29. | 1.6 | 2 |
| 111 | Seismic response of a non-ductile RC frame building subjected to shake-table excitations. Bulletin of Earthquake Engineering, 2022, 20, 517-545. | 4.1 | 2 |
| 112 | Numerical issues on brittle shear failure of pier-wall continuous vertical joints in URM dutch buildings. Engineering Structures, 2022, 258, 114078. | 5.3 | 2 |
| 113 | Outâ€ofâ€plane shearâ€axial failure in slender rectangular reinforced concrete walls. Earthquake Engineering and Structural Dynamics, 2022, 51, 2426-2448. | 4.4 | 2 |
| 114 | Performance-Based Seismic Retrofit of Existing Reinforced Concrete Frame Buildings using Fibre-Reinforced Polymers: Challenges and Solutions. Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE), 2011, 21, 260-270. | 0.8 | 1 |
| 115 | Shake Table Testing of a Low Damage Steel Building with 2-4 Displacement Dependent (D3) Viscous Damper. Key Engineering Materials, 2018, 763, 331-338. | 0.4 | 1 |
| 116 | Influence of earthquake damage and repair interventions on expected annual losses of reinforced concrete wall buildings. Earthquake Spectra, 2022, 38, 2026-2060. | 3.1 | 1 |
| 117 | Experimental calibration of parallel-to-grain strain penetration length for internal epoxied bars. Construction and Building Materials, 2016, 112, 970-979. | 7.2 | 0 |
| 118 | New Zealand contributions to the Global Earthquake Modelâ€™s Earthquake Consequences Database (GEMECD). Bulletin of the New Zealand Society for Earthquake Engineering, 2015, 48, 245-263. | 0.5 | 0 |
| 119 | Long-Term Performance of PresLam Frames: Are Post-Tensioning Losses really an Issue?. , 2017, , . | | 0 |
| 120 | Passive direction displacement dependent damping (D3) device. Bulletin of the New Zealand Society for Earthquake Engineering, 2018, 51, 105-112. | 0.5 | 0 |