

Patrick Paultre

List of Publications by Citations

Source: <https://exaly.com/author-pdf/1490880/patrick-paultre-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

88
papers

2,541
citations

28
h-index

49
g-index

95
ext. papers

2,920
ext. citations

2.9
avg, IF

5.29
L-index

#	Paper	IF	Citations
88	Stress-Strain Model for Confined High-Strength Concrete. <i>Journal of Structural Engineering</i> , 1995 , 121, 468-477	3	288
87	High-Strength Concrete Columns Confined by Rectangular Ties. <i>Journal of Structural Engineering</i> , 1994 , 120, 783-804	3	209
86	Uniaxial Confinement Model for Normal- and High-Strength Concrete Columns. <i>Journal of Structural Engineering</i> , 2003 , 129, 241-252	3	160
85	Bridge dynamics and dynamic amplification factors – a review of analytical and experimental findings. <i>Canadian Journal of Civil Engineering</i> , 1992 , 19, 260-278	1.3	111
84	Behavior of Steel Fiber-Reinforced High-Strength Concrete Columns under Uniaxial Compression. <i>Journal of Structural Engineering</i> , 2010 , 136, 1225-1235	3	94
83	Normal- and High-Strength Concrete Circular Elements Wrapped with FRP Composites. <i>Journal of Composites for Construction</i> , 2009 , 13, 113-124	3.3	92
82	Dynamic characterization of machining robot and stability analysis. <i>International Journal of Advanced Manufacturing Technology</i> , 2016 , 82, 351-359	3.2	80
81	Damage Mechanics Modeling of Nonlinear Seismic Behavior of Concrete Structures. <i>Journal of Structural Engineering</i> , 2005 , 131, 946-955	3	75
80	Seismic force modification factors for the proposed 2005 edition of the National Building Code of Canada. <i>Canadian Journal of Civil Engineering</i> , 2003 , 30, 308-327	1.3	73
79	Compressive behavior of FRP-confined reinforced concrete columns. <i>Engineering Structures</i> , 2017 , 132, 518-530	4.7	72
78	Fragility curves of typical as-built highway bridges in eastern Canada. <i>Engineering Structures</i> , 2012 , 40, 107-118	4.7	64
77	Dynamic Testing Procedures for Highway Bridges Using Traffic Loads. <i>Journal of Structural Engineering</i> , 1995 , 121, 362-376	3	60
76	Multiple-support seismic analysis of large structures. <i>Computers and Structures</i> , 1990 , 36, 1153-1158	4.5	60
75	Consistent regularization of nonlinear model updating for damage identification. <i>Mechanical Systems and Signal Processing</i> , 2009 , 23, 1965-1985	7.8	58
74	Confinement Reinforcement Design for Reinforced Concrete Columns. <i>Journal of Structural Engineering</i> , 2008 , 134, 738-749	3	55
73	An experimental investigation of water level effects on the dynamic behaviour of a large arch dam. <i>Earthquake Engineering and Structural Dynamics</i> , 2001 , 30, 1147-1166	4	54
72	Analytical Model for FRP-Confined Circular Reinforced Concrete Columns. <i>Journal of Composites for Construction</i> , 2008 , 12, 541-552	3.3	50

71	Three-dimensional analysis of concrete dams including contraction joint non-linearity. <i>Engineering Structures</i> , 2002 , 24, 757-771	4.7	49
70	Modal identification based on continuous wavelet transform and ambient excitation tests. <i>Journal of Sound and Vibration</i> , 2012 , 331, 2023-2037	3.9	46
69	Evolution of seismic design provisions in the National building code of Canada. <i>Canadian Journal of Civil Engineering</i> , 2010 , 37, 1157-1170	1.3	45
68	Fragility curves for isolated bridges in eastern Canada using experimental results. <i>Engineering Structures</i> , 2014 , 74, 311-324	4.7	39
67	Modal identification based on the time-frequency domain decomposition of unknown-input dynamic tests. <i>International Journal of Mechanical Sciences</i> , 2013 , 71, 41-50	5.5	35
66	Structural damage detection using nonlinear parameter identification with Tikhonov regularization. <i>Structural Control and Health Monitoring</i> , 2007 , 14, 406-427	4.5	35
65	Damage Identification in a Truss Tower by Regularized Model Updating. <i>Journal of Structural Engineering</i> , 2010 , 136, 307-316	3	34
64	A closed-form formulation for earthquake-induced hydrodynamic pressure on gravity dams. <i>Journal of Sound and Vibration</i> , 2003 , 261, 573-582	3.9	34
63	Seismic Fragility of Concrete Gravity Dams with Spatial Variation of Angle of Friction: Case Study. <i>Journal of Structural Engineering</i> , 2016 , 142, 05015002	3	33
62	Plasticity-based model for circular concrete columns confined with fibre-composite sheets. <i>Engineering Structures</i> , 2007 , 29, 3301-3311	4.7	30
61	Ductility and overstrength in seismic design of reinforced concrete structures. <i>Canadian Journal of Civil Engineering</i> , 1994 , 21, 1049-1060	1.3	30
60	Seismic Fragility of a Highway Bridge in Quebec. <i>Journal of Bridge Engineering</i> , 2013 , 18, 1131-1139	2.7	28
59	Two-dimensional modelling of ice cover effects for the dynamic analysis of concrete gravity dams. <i>Earthquake Engineering and Structural Dynamics</i> , 2002 , 31, 2083-2102	4	25
58	Assessment of the frequency domain decomposition technique by forced-vibration tests of a full-scale structure. <i>Earthquake Engineering and Structural Dynamics</i> , 2008 , 37, 487-494	4	23
57	Metamodel-Based Seismic Fragility Analysis of Concrete Gravity Dams. <i>Journal of Structural Engineering</i> , 2020 , 146, 04020121	3	23
56	Damage model for FRP-confined concrete columns under cyclic loading. <i>Engineering Structures</i> , 2013 , 48, 519-531	4.7	21
55	Performance-based seismic retrofit of a bridge bent: Design and experimental validation. <i>Canadian Journal of Civil Engineering</i> , 2010 , 37, 367-379	1.3	21
54	Using the Conditional Spectrum Method for Improved Fragility Assessment of Concrete Gravity Dams in Eastern Canada. <i>Earthquake Spectra</i> , 2016 , 32, 1449-1468	3.4	19

53	Seismic performance of a 12-storey ductile concrete shear wall system designed according to the 2005 National building code of Canada and the 2004 Canadian Standard Association standard A23.3. <i>Canadian Journal of Civil Engineering</i> , 2010 , 37, 1-16	1.3	17
52	Strain Localization in Confined High-Strength Concrete Columns. <i>Journal of Structural Engineering</i> , 1996 , 122, 1055-1061	3	17
51	Experimental determination of the lateral stability and shear failure limit states of bridge rubber bearings. <i>Engineering Structures</i> , 2018 , 174, 39-48	4.7	15
50	An experimental evaluation of ice cover effects on the dynamic behaviour of a concrete gravity dam. <i>Earthquake Engineering and Structural Dynamics</i> , 2002 , 31, 2067-2082	4	15
49	Performance evaluation of natural rubber seismic isolators as a retrofit measure for typical multi-span concrete bridges in eastern Canada. <i>Engineering Structures</i> , 2014 , 74, 300-310	4.7	13
48	Role of Spandrel Beams on Response of Slab-Beam-Column Connections. <i>Journal of Structural Engineering</i> , 1995 , 121, 408-419	3	13
47	Seismic response of concentrically braced steel frames. <i>Canadian Journal of Civil Engineering</i> , 1991 , 18, 1062-1077	1.3	13
46	Seismic response of reinforced concrete frame subassemblages – Canadian code perspective. <i>Canadian Journal of Civil Engineering</i> , 1989 , 16, 627-649	1.3	13
45	Seismic force demand on ductile reinforced concrete shear walls subjected to western North American ground motions: Part 1 – parametric study. <i>Canadian Journal of Civil Engineering</i> , 2012 , 39, 723-737	1.3	12
44	Elastoplastic Confinement Model for Circular Concrete Columns. <i>Journal of Structural Engineering</i> , 2007 , 133, 1821-1831	3	12
43	Detection and prediction of seismic damage to a high-strength concrete moment resisting frame structure. <i>Engineering Structures</i> , 2016 , 114, 209-225	4.7	12
42	Seismic force demand on ductile reinforced concrete shear walls subjected to western North American ground motions: Part 2 – new capacity design methods. <i>Canadian Journal of Civil Engineering</i> , 2012 , 39, 738-750	1.3	11
41	A new boundary condition for energy radiation in covered reservoirs using BEM. <i>Engineering Analysis With Boundary Elements</i> , 2005 , 29, 903-911	2.6	10
40	Experimental Evaluation of Inelastic Higher-Mode Effects on the Seismic Behavior of RC Structural Walls. <i>Journal of Structural Engineering</i> , 2020 , 146, 04020016	3	9
39	Forced-Vibration Tests and Numerical Modeling of the Daniel-Johnson Multiple-Arch Dam. <i>Journal of Performance of Constructed Facilities</i> , 2018 , 32, 04017137	2	9
38	Seismic performance of a full-scale, reinforced high-performance concrete building. Part II: Analytical study. <i>Canadian Journal of Civil Engineering</i> , 2008 , 35, 849-862	1.3	8
37	Seismic performance of a full-scale, reinforced high-performance concrete building. Part I: Experimental study. <i>Canadian Journal of Civil Engineering</i> , 2008 , 35, 832-848	1.3	8
36	Dynamic response of a concrete dam impounding an ice-covered reservoir: Part II. Parametric and numerical study. <i>Canadian Journal of Civil Engineering</i> , 2004 , 31, 965-976	1.3	8

35	Influence of soil-structure interaction on seismic demands in shear wall building gravity load frames. <i>Engineering Structures</i> , 2019 , 198, 109259	4-7	7
34	Analysis of a damaged 12-storey frame-wall concrete building during the 2010 Haiti earthquake â Part II: Nonlinear numerical simulations. <i>Canadian Journal of Civil Engineering</i> , 2013 , 40, 803-814	1-3	7
33	Dynamic response of a concrete dam impounding an ice-covered reservoir: Part I. Mathematical modelling. <i>Canadian Journal of Civil Engineering</i> , 2004 , 31, 956-964	1-3	7
32	Computer-Aided Education in Structural Dynamics. <i>Journal of Computing in Civil Engineering</i> , 1991 , 5, 374-390	5	7
31	On the Seismic Fragility Assessment of Concrete Gravity Dams in Eastern Canada. <i>Earthquake Spectra</i> , 2019 , 35, 211-231	3-4	7
30	2013 ,		6
29	Toward a better understanding of the dynamic characteristics of single-storey braced steel frame buildings in Canada. <i>Canadian Journal of Civil Engineering</i> , 2009 , 36, 969-979	1-3	6
28	Influence of synthetic fibers on the seismic behavior of reinforced-concrete circular columns. <i>Engineering Structures</i> , 2021 , 228, 111493	4-7	6
27	Modelling and Characterizing a Concrete Gravity Dam for Fragility Analysis. <i>Infrastructures</i> , 2019 , 4, 62	2-6	5
26	Damage to engineered structures during the 12 January 2010, Haiti (Lâgâe) earthquake. <i>Canadian Journal of Civil Engineering</i> , 2013 , 40, 777-790	1-3	5
25	Dynamic Testing of Large-Scale Structures. <i>Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE)</i> , 1997 , 7, 29-34	1	4
24	Microcomputer analysis of reinforced concrete slab systems. <i>Canadian Journal of Civil Engineering</i> , 1993 , 20, 587-601	1-3	4
23	Elastic analysis of frames considering panel zones deformations. <i>Computers and Structures</i> , 1991 , 39, 689-697	4-5	4
22	Accounting for Uncertainties in the Safety Assessment of Concrete Gravity Dams: A Probabilistic Approach with Sample Optimization. <i>Water (Switzerland)</i> , 2021 , 13, 855	3	4
21	Analysis of a damaged 12-storey frame-wall concrete building during the 2010 Haiti earthquake Part I: Dynamic behaviour assessment. <i>Canadian Journal of Civil Engineering</i> , 2013 , 40, 791-802	1-3	3
20	Reply: Bridge dynamics and dynamic amplification factors â a review of analytical and experimental findings. <i>Canadian Journal of Civil Engineering</i> , 1993 , 20, 878-878	1-3	2
19	Computer graphics for computer assisted learning of structural analysis. <i>Computers and Structures</i> , 1990 , 36, 1159-1166	4-5	2
18	LAS: A programming language and development environment for learning matrix structural analysis. <i>Computer Applications in Engineering Education</i> , 2016 , 24, 89-100	1-6	2

17	Damage mechanics applied to performance-based design of reinforced concrete columns. <i>Earthquake Engineering and Structural Dynamics</i> , 2017 , 46, 2439-2457	4	1
16	Background to seismic design provisions in CSA A23.3-04 for high-strength concrete. <i>Canadian Journal of Civil Engineering</i> , 2009 , 36, 565-579	1.3	1
15	Stress-strain curve for concrete in circular columns based on elastoplastic analysis. <i>Materials and Structures/Materiaux Et Constructions</i> , 2010 , 43, 63-79	3.4	1
14	Discussion of "Making use of brace overstrength to improve the seismic response of multistorey split-X concentrically braced steel frames". <i>Canadian Journal of Civil Engineering</i> , 2007 , 34, 686-687	1.3	1
13	Numerical response analysis in dynamic engineering problems. <i>Revue Européenne De Génie Civil</i> , 2003 , 7, 831-880		1
12	Closure to "Strain Localization in Confined High-Strength Concrete Columns" by Daniel Cusson, François de Larrard, Claude Boulay, and Patrick Paultre. <i>Journal of Structural Engineering</i> , 1998 , 124, 1092-1093		1
11	CAL/CGI: An application of graphics for matrix structural analysis education. <i>Computers and Graphics</i> , 1991 , 15, 131-135	1.8	1
10	Inelastic seismic shear amplification due to higher mode effects in reinforced concrete coupled walls. <i>Earthquake Spectra</i> , 875529302110533	3.4	1
9	Expected seismic performance of gravity dams using machine learning techniques. <i>Bulletin of the New Zealand Society for Earthquake Engineering</i> , 2021 , 54, 58-68	0.5	1
8	Seismic fragility of bridges: An approach coupling multiple-stripe analysis and Gaussian mixture for multicomponent structures. <i>Earthquake Spectra</i> , 875529302110361	3.4	1
7	High-order finite element model of bridge rubber bearings for the prediction of buckling and shear failure. <i>Engineering Structures</i> , 2021 , 240, 112314	4.7	1
6	Experiments on Large Structures 2010 , 201-232		
5	On calculating equivalent static seismic forces in the 2005 National Building Code of Canada. <i>Canadian Journal of Civil Engineering</i> , 2011 , 38, 476-481	1.3	
4	Distribution of moments in reinforced concrete slabs with continuous drop panels. <i>Canadian Journal of Civil Engineering</i> , 2002 , 29, 119-124	1.3	
3	FRP Wrapping of RC Structures Submitted to Seismic Loads. <i>Geotechnical, Geological and Earthquake Engineering</i> , 2009 , 297-305	0.2	
2	Measuring Earthquake Damages to a High Strength Concrete Structure 221-250		
1	Hybrid testing of capacity designed RC structural walls for the determination of nonlinear seismic shear amplification. <i>Earthquake Engineering and Structural Dynamics</i> , 2021 , 50, 3266-3287	4	