Bruce R Ellingwood

List of Publications by Year
in descending order

191	10,461	29994 54	38300 95
papers	citations	h-index	g-index

193	193	193	4408
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A new look at the response surface approach for reliability analysis. Structural Safety, 1993, 12, 205-220.	2.8	625
2	Mitigating Risk from Abnormal Loads and Progressive Collapse. Journal of Performance of Constructed Facilities, 2006, 20, 315-323.	1.0	288
3	Fragility Assessment of Light-Frame Wood Construction Subjected to Wind and Earthquake Hazards. Journal of Structural Engineering, 2004, 130, 1921-1930.	1.7	276
4	Seismic fragilities for non-ductile reinforced concrete frames â€“ Role of aleatoric and epistemic uncertainties. Structural Safety, 2010, 32, 1-12.	2.8	258
5	Reliabilityâ€Based Serviceâ€Life Assessment of Aging Concrete Structures. Journal of Structural Engineering, 1993, 119, 1600-1621.	1.7	246
6	Probability Based Load Criteria: Load Factors and Load Combinations. Journal of the Structural Division, 1982, 108, 978-997.	0.2	244
7	Hurricane damage to residential construction in the US: Importance of uncertainty modeling in risk assessment. Engineering Structures, 2006, 28, 1009-1018.	2.6	240
8	Earthquake risk assessment of building structures. Reliability Engineering and System Safety, 2001, 74, 251-262.	5.1	226
9	Performance evaluation and damage assessment of steel frame buildings under main shockâ€“aftershock earthquake sequences. Earthquake Engineering and Structural Dynamics, 2007, 36, 405-427.	2.5	226
10	Risk-informed condition assessment of civil infrastructure: state of practice and research issues. Structure and Infrastructure Engineering, 2005, 1, 7-18.	2.0	223
11	State of the research in community resilience: progress and challenges. Sustainable and Resilient Infrastructure, 2020, 5, 131-151.	1.7	218
12	Probability Based Load Criteria: Assessment of Current Design Practice. Journal of the Structural Division, 1982, 108, 959-977.	0.2	212
13	Directional methods for structural reliability analysis. Structural Safety, 2000, 22, 233-249.	2.8	211
14	Orthogonal Series Expansions of Random Fields in Reliability Analysis. Journal of Engineering Mechanics - ASCE, 1994, 120, 2660-2677.	1.6	207
15	Wind Load Statistics for Probability-Based Structural Design. Journal of Structural Engineering, 1999, 125, 453-463.	1.7	200
16	Serviceability of earthquake-damaged water systems: Effects of electrical power availability and power backup systems on system vulnerability. Reliability Engineering and System Safety, 2008, 93, 78-88.	5.1	195
17	Quantifying and communicating uncertainty in seismic risk assessment. Structural Safety, 2009, 31, 179-187.	2.8	179
18	Fragility assessment of building structural systems in Mid-America. Earthquake Engineering and Structural Dynamics, 2007, 36, 1935-1952.	2.5	173

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19	Probability-based criteria for structural design. Structural Safety, 1982, 1, 15-26.	2.8	153
20	Approaches for Design against Progressive Collapse. Journal of the Structural Division, 1978, 104, 413-423.	0.2	146
21	Performance-Based Engineering of Wood Frame Housing: Fragility Analysis Methodology. Journal of Structural Engineering, 2002, 128, 32-38.	1.7	143
22	Continuum damage mechanics analysis of fatigue crack initiation. International Journal of Fatigue, 1998, 20, 631-639.	2.8	134
23	Time-dependent reliability of aging structures in the presence of non-stationary loads and degradation. Structural Safety, 2015, 52, 132-141.	2.8	127
24	Probabilistic methods for condition assessment and life prediction of concrete structures in nuclear power plants. Nuclear Engineering and Design, 1993, 142, 155-166.	0.8	124
25	The Centerville Virtual Community: a fully integrated decision model of interacting physical and social infrastructure systems. Sustainable and Resilient Infrastructure, 2016, 1, 95-107.	1.7	120
26	Probability-based codified design: past accomplishments and future challenges. Structural Safety, 1994, 13, 159-176.	2.8	117
27	Seismic fragility assessment of concrete gravity dams. Earthquake Engineering and Structural Dynamics, 2003, 32, 2221-2240.	2.5	115
28	Maintaining Reliability of Concrete Structures. II: Optimum Inspection/Repair. Journal of Structural Engineering, 1994, 120, 846-862.	1.7	110
29	Time-dependent system reliability analysis by adaptive importance sampling. Structural Safety, 1993, 12, 59-73.	2.8	109
30	Risk-benefit-based design decisions for low-probability/high consequence earthquake events in Mid-America. Structural Control and Health Monitoring, 2005, 7, 56-70.	0.7	106
31	Modeling Beam-Column Joints in Fragility Assessment of Gravity Load Designed Reinforced Concrete Frames. Journal of Earthquake Engineering, 2008, 12, 357-381.	1.4	98
32	Probabilistic descriptions of resistance of safety-related structures in nuclear plants. Nuclear Engineering and Design, 1985, 88, 169-178.	0.8	92
33	Reliability-based condition assessment and LRFD for existing structures. Structural Safety, 1996, 18, 67-80.	2.8	92
34	Flexure and Shear Behavior of Concrete Beams during Fires. Journal of Structural Engineering, 1991, 117, 440-458.	1.7	90
35	Role of non-destructive evaluation in time-dependent reliability analysis. Structural Safety, 1998, 20, 325-339.	2.8	90
36	Framework for Multihazard Risk Assessment and Mitigation for Wood-Frame Residential Construction. Journal of Structural Engineering, 2009, 135, 159-168.	1.7	90

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37	Acceptable risk bases for design of structures. Structural Control and Health Monitoring, 2001, 3, 170-179.	0.7	87
38	Effects of Uncertain Material Properties on Structural Stability. Journal of Structural Engineering, 1995, 121, 705-716.	1.7	86
39	Risk-averse decision-making for civil infrastructure exposed to low-probability, high-consequence events. Reliability Engineering and System Safety, 2012, 104, 27-35.	5.1	79
40	Seismic Risk Assessment of Gravity Load Designed Reinforced Concrete Frames Subjected to Mid-America Ground Motions. Journal of Structural Engineering, 2009, 135, 414-424.	1.7	76
41	Statistical Characterization of Fiber-Reinforced Polymer Composite Material Properties for Structural Design. Journal of Structural Engineering, 2006, 132, 1320-1327.	1.7	73
42	An energy-based partial pushdown analysis procedure for assessment of disproportionate collapse potential. Journal of Constructional Steel Research, 2011, 67, 547-555.	1.7	73
43	Seismic Performance Assessment of Steel Frames with Shape Memory Alloy Connections. Part I â€" Analysis and Seismic Demands. Journal of Earthquake Engineering, 2010, 14, 471-486.	1.4	72
44	LRFD: implementing structural reliability in professional practice. Engineering Structures, 2000, 22, 106-115.	2.6	69
45	Seismic Reliability of Special Moment Steel Frames with Welded Connections: I. Journal of Structural Engineering, 1999, 125, 357-371.	1.7	68
46	Seismic fragility assessment of steel frames for consequence-based engineering: A case study for Memphis, TN. Engineering Structures, 2007, 29, 1115-1127.	2.6	68
47	Fragility Analysis of Concrete Gravity Dams. Journal of Infrastructure Systems, 2001, 7, 41-48.	1.0	66
48	The Role of Urban Growth in Resilience of Communities Under Flood Risk. Earth's Future, 2020, 8, e2019EF001382.	2.4	63
49	Reliability of woodframe residential construction subjected to earthquakes. Structural Safety, 2007, 29, 294-307.	2.8	62
50	Serviceability Limit States: Deflection. Journal of Structural Engineering, 1986, 112, 67-84.	1.7	61
51	A new CDM-based approach to structural deterioration. International Journal of Solids and Structures, 1999, 36, 1757-1779.	1.3	58
52	A Decision Framework for Managing Risk to Airports from Terrorist Attack. Risk Analysis, 2015, 35, 292-306.	1.5	56
53	Analysis of Live Loads in Office Buildings. Journal of the Structural Division, 1977, 103, 1551-1560.	0.2	56
54	Ground Snow Loads for Structural Design. Journal of Structural Engineering, 1983, 109, 950-964.	1.7	55

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55	Homeland security: a case study in risk aversion for public decision-making. International Journal of Risk Assessment and Management, 2011, 15, 367.	0.2	55
56	System-based design of planar steel frames, I: Reliability framework. Journal of Constructional Steel Research, 2016, 123, 135-143.	1.7	55
57	Formulation of load factors based on optimum reliability. Structural Safety, 1991, 9, 197-210.	2.8	54
58	Duration of Load Effects in LRFD for Wood Construction. Journal of Structural Engineering, 1991, 117, 584-599.	1.7	52
59	Wind Induced Lateralâ€Torsional Motion of Buildings. Journal of Structural Engineering, 1985, 111, 2197-2213.	1.7	51
60	Validation studies of seismic PRAs. Nuclear Engineering and Design, 1990, 123, 189-196.	0.8	49
61	Bridge Rating Using System Reliability Assessment. I: Assessment and Verification by Load Testing. Journal of Bridge Engineering, 2011, 16, 854-862.	1.4	49
62	Reliability assessment of steel scaffold shoring structures for concrete formwork. Engineering Structures, 2012, 36, 81-89.	2.6	46
63	Post-earthquake fire performance of moment resisting frames with reduced beam section connections. Journal of Constructional Steel Research, 2014, 103, 215-229.	1.7	43
64	Performance of Light-Frame Wood Residential Construction Subjected to Earthquakes in Regions of Moderate Seismicity. Journal of Structural Engineering, 2008, 134, 1353-1363.	1.7	42
65	Reliability-Based Evaluation of Flexural Members Strengthened with Externally Bonded Fiber-Reinforced Polymer Composites. Journal of Structural Engineering, 2010, 136, 1151-1160.	1.7	42
66	Stochastic fatigue crack growth in steel structures subject to random loading. Structural Safety, 1998, 20, 303-323.	2.8	40
67	Near-optimal planning using approximate dynamic programming to enhance post-hazard community resilience management. Reliability Engineering and System Safety, 2019, 181, 116-126.	5.1	40
68	Reliabilityâ€Based Code Formulations for Reinforced Concrete Buildings. Journal of Structural Engineering, 1987, 113, 2235-2252.	1.7	39
69	System Reliability and Loadâ€Sharing Effects in Lightâ€Frame Wood Construction. Journal of Structural Engineering, 1991, 117, 1096-1114.	1.7	39
70	Toward Load and Resistance Factor Design for Fiber-Reinforced Polymer Composite Structures. Journal of Structural Engineering, 2003, 129, 449-458.	1.7	39
71	Time-dependent reliability of ageing structures: an approximate approach. Structure and Infrastructure Engineering, 2016, 12, 1566-1572.	2.0	39
72	System reliabilities in steel structural frame design by inelastic analysis. Engineering Structures, 2014, 81, 341-348.	2.6	38

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73	A decision model for intergenerational life-cycle risk assessment of civil infrastructure exposed to hurricanes under climate change. Reliability Engineering and System Safety, 2017, 159, 100-107.	5.1	38
74	Load Combination Requirements for Fire-resistant Structural Design. Journal of Fire Protection Engineering, 2005, 15, 43-61.	0.8	37
75	Seismic risk mitigation of building structures: The role of risk aversion. Structural Safety, 2013, 40, 11-19.	2.8	37
76	A risk de-aggregation framework that relates community resilience goals to building performance objectivess. Sustainable and Resilient Infrastructure, 2016, 1, 1-13.	1.7	37
77	Wind and Snow Load Statistics for Probabilistic Design. Journal of the Structural Division, 1981, 107, 1345-1354.	0.2	37
78	Post-earthquake modelling of transportation networks using an agent-based model. Structure and Infrastructure Engineering, 2020, 16, 1578-1592.	2.0	36
79	Issues related to structural aging in probabilistic risk assessment of nuclear power plants. Reliability Engineering and System Safety, 1998, 62, 171-183.	5.1	34
80	A new directional simulation method for system reliability. Part I: application of deterministic point sets. Probabilistic Engineering Mechanics, 2004, 19, 425-436.	1.3	34
81	Probabilistic Robustness Assessment of Pre-Northridge Steel Moment Resisting Frames. Journal of Structural Engineering, 2011, 137, 925-934.	1.7	34
82	Ethical discounting for civil infrastructure decisions extending over multiple generations. Structural Safety, 2015, 57, 43-52.	2.8	34
83	Serviceability Limit States: Wind Induced Vibrations. Journal of Structural Engineering, 1984, 110, 2424-2437.	1.7	33
84	Reliability-based service life assessment of concrete structures in nuclear power plants: optimum inspection and repair. Nuclear Engineering and Design, 1997, 175, 247-258.	0.8	33
85	Uniform hazard versus uniform risk bases for performanceâ€based earthquake engineering of lightâ€frame wood construction. Earthquake Engineering and Structural Dynamics, 2010, 39, 1199-1217.	2.5	33
86	Strategies for mitigating risk to buildings from abnormal load events. International Journal of Risk Assessment and Management, 2007, 7, 828.	0.2	32
87	Damage inspection and vulnerability analysis of existing buildings with steel moment-resisting frames. Engineering Structures, 2008, 30, 338-351.	2.6	32
88	Comparative Assessment of Civil Infrastructure Network Performance under Probabilistic and Scenario Earthquakes. Journal of Infrastructure Systems, 2010, 16, 1-10.	1.0	32
89	Generation of critical stochastic earthquakes. Earthquake Engineering and Structural Dynamics, 1992, 21, 275-288.	2.5	31
90	Bridge Rating Using System Reliability Assessment. II: Improvements to Bridge Rating Practices. Journal of Bridge Engineering, 2011, 16, 863-871.	1.4	31

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91	Life cycle performance goals for civil infrastructure: intergenerational risk-informed decisions. Structure and Infrastructure Engineering, 2016, 12, 822-829.	2.0	31
92	Risk-Based Evaluation of Design Criteria. Journal of the Structural Division, 1974, 100, 1771-1788.	0.2	31
93	Finite Element-Based Structural Reliability Assessment Using Efficient Directional Simulation. Journal of Engineering Mechanics - ASCE, 2005, 131, 259-267.	1.6	27
94	Probabilityâ€Based Design Criteria for Nuclear Plant Structures. Journal of Structural Engineering, 1987, 113, 925-942.	1.7	26
95	Reliability of Nonlinear Structures with Seismic Loading. Journal of Structural Engineering, 1987, 113, 1011-1028.	1.7	25
96	Combining Snow and Earthquake Loads for Limit States Design. Journal of Structural Engineering, 1996, 122, 1364-1368.	1.7	24
97	System-based design of planar steel frames, II: Reliability results and design recommendations. Journal of Constructional Steel Research, 2016, 123, 154-161.	1.7	24
98	Reliability-based optimal load factors for seismic design of buildings. Engineering Structures, 2017, 151, 527-539.	2.6	24
99	Risk-Informed Mean Recurrence Intervals for Updated Wind Maps in ASCE 7-16. Journal of Structural Engineering, 2018, 144, .	1.7	24
100	Probabilistic framework for evaluating food security of households in the aftermath of a disaster. Structure and Infrastructure Engineering, 2019, 15, 1060-1074.	2.0	24
101	Statistical Analysis of RC Beam-Column Interaction. Journal of the Structural Division, 1977, 103, 1377-1388.	0.2	24
102	Analysis of torsional moments on tall buildings. Journal of Wind Engineering and Industrial Aerodynamics, 1985, 18, 191-195.	1.7	23
103	Probabilistic models of snow loads on structures. Structural Safety, 1985, 2, 291-299.	2.8	23
104	Assessing Cost of Dam Failure. Journal of Water Resources Planning and Management - ASCE, 1993, 119, 64-82.	1.3	23
105	Guidelines to Minimize Floor Vibrations from Building Occupants. Journal of Structural Engineering, 1994, 120, 507-526.	1.7	23
106	Limit state design criteria for FRP strengthening of RC bridge components. Structural Safety, 2015, 56, 1-8.	2.8	23
107	Critical Base Excitations of Structural Systems. Journal of Engineering Mechanics - ASCE, 1991, 117, 1403-1422.	1.6	22
108	Probability-based codified design for earthquakes. Engineering Structures, 1994, 16, 498-506.	2.6	22

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109	Probabilistic study of the behavior of steel frames with partially restrained connections. Engineering Structures, 2001, 23, 1410-1417.	2.6	22
110	A new directional simulation method for system reliability. Part II: application of neural networks. Probabilistic Engineering Mechanics, 2004, 19, 437-447.	1.3	22
111	Windâ€Induced Response of Structurally Asymmetric Highâ€Rise Buildings. Journal of Structural Engineering, 1992, 118, 207-222.	1.7	21
112	Limit States Criteria for Masonry Construction. Journal of Structural Engineering, 1985, 111, 108-122.	1.7	20
113	Reliability of Reinforced-Concrete Cylindrical Shells. Journal of Structural Engineering, 1995, 121, 336-347.	1.7	20
114	Seismic Performance Assessment of Steel Frames with Shape Memory Alloy Connections, Part II â€“ Probabilistic Seismic Demand Assessment. Journal of Earthquake Engineering, 2010, 14, 631-645.	1.4	20
115	Optimal stochastic dynamic scheduling for managing community recovery from natural hazards. Reliability Engineering and System Safety, 2020, 193, 106627.	5.1	20
116	Stochastic optimal control methodologies in risk-informed community resilience planning. Structural Safety, 2020, 84, 101920.	2.8	20
117	Dynamic Response of Tall Buildings to Stochastic Wind Load. Journal of Structural Engineering, 1990, 116, 2982-3002.	1.7	19
118	Probability-based LRFD for engineered wood construction. Structural Safety, 1997, 19, 53-65.	2.8	19
119	Seismic Fragility Analysis and Retrofit of Conventional Residential Wood-Frame Structures in the Central United States. Journal of Structural Engineering, 2009, 135, 262-271.	1.7	19
120	Vulnerability of seaports to hurricanes and sea level rise in a changing climate: A case study for mobile, AL. Coastal Engineering, 2021, 167, 103884.	1.7	19
121	Shaping urbanization to achieve communities resilient to floods. Environmental Research Letters, 2021, 16, 094033.	2.2	19
122	Analysis of Reliability for Masonry Structures. Journal of the Structural Division, 1981, 107, 757-773.	0.2	19
123	Unraveling the complexity of human behavior and urbanization on community vulnerability to floods. Scientific Reports, 2021, 11, 20085.	1.6	19
124	Disproportionate collapse performance of partially restrained steel frames with bolted T-stub connections. Engineering Structures, 2011, 33, 32-43.	2.6	18
125	De-aggregation of community resilience goals to obtain minimum performance objectives for buildings under tornado hazards. Structural Safety, 2018, 70, 82-92.	2.8	18
126	The role of risk aversion in nuclear plant safety decisions. Structural Safety, 2013, 44, 28-36.	2.8	17

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127	Reliability of Wood Structural Elements. Journal of the Structural Division, 1981, 107, 73-87.	0.2	17
128	Reliability-based assessment of roofs in Japan subjected to extreme snows: incorporation of site-specific data. Engineering Structures, 2005, 27, 89-95.	2.6	16
129	System Reliabilities of Planar Gravity Steel Frames Designed by the Inelastic Method in AISC 360-10. Journal of Structural Engineering, 2018, 144, .	1.7	16
130	SFEM for Reliability of Structures with Material Nonlinearities. Journal of Structural Engineering, 1996, 122, 701-704.	1.7	15
131	Vertical Load Path Failure Risk Analysis of Residential Wood-Frame Construction in Tornadoes. Journal of Structural Engineering, 2017, 143, .	1.7	15
132	Reliability assessment framework of deteriorating reinforced concrete bridges subjected to earthquake and pier scour. Engineering Structures, 2021, 239, 112363.	2.6	15
133	Reliability of RC Beams Subjected to Fire. Journal of the Structural Division, 1977, 103, 1047-1059.	0.2	15
134	Safety Checking Formats for Limit States Design. Journal of the Structural Division, 1982, 108, 1481-1493.	0.2	15
135	Probability of Failure from Abnormal Load. Journal of Structural Engineering, 1983, 109, 875-890.	1.7	14
136	Reliability-Based Condition Assessment of Welded Miter Gate Structures. Journal of Infrastructure Systems, 2001, 7, 95-106.	1.0	14
137	Wind load factors for dynamically sensitive structures with uncertainties. Engineering Structures, 2015, 103, 53-62.	2.6	14
138	Effects of Fire on Reinforced Concrete Members. Journal of the Structural Division, 1980, 106, 2151-2166.	0.2	14
139	Evaluation of crack growth in miter gate weldments using stochastic fracture mechanics. Structural Safety, 2001, 23, 445-465.	2.8	13
140	Reliability-Based Design Snow Loads. II: Reliability Assessment and Mapping Procedures. Journal of Structural Engineering, 2017, 143, .	1.7	13
141	Modeling the Temporal Correlation in Hurricane Frequency for Damage Assessment of Residential Structures Subjected to Climate Change. Journal of Structural Engineering, 2017, 143, .	1.7	13
142	Response of Steel Reduced Beam Section Connections Exposed to Fire. Journal of Structural Engineering, 2016, 142, .	1.7	12
143	Resilience of School Systems Following Severe Earthquakes. Earth's Future, 2020, 8, e2020EF001518.	2.4	12
144	Attitudes towards acceptance of risk to buildings from extreme winds. Structure and Infrastructure Engineering, 2014, 10, 697-707.	2.0	11

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145	Performance and risk to light-framed wood residential buildings subjected to tornadoes. Structural Safety, 2018, 70, 35-47.	2.8	11
146	Understanding Community Resilience from a PRA Perspective Using Binary Decision Diagrams. Risk Analysis, 2019, 39, 2127-2142.	1.5	11
147	Life-cycle cost and carbon footprint analysis for light-framed residential buildings subjected to tornado hazard. Journal of Building Engineering, 2020, 32, 101657.	1.6	11
148	Assessing post-hazard damage costs to a communityâ€™s residential buildings exposed to tropical cyclones. Structure and Infrastructure Engineering, 2021, 17, 443-453.	2.0	11
149	Reliability Based Criteria for Reinforced Concrete Design. Journal of the Structural Division, 1979, 105, 713-727.	0.2	11
150	Site-dependent models of earthquake ground motion. Earthquake Engineering and Structural Dynamics, 1992, 21, 573-589.	2.5	10
151	Continuum Damage Mechanics-Based Model of Stochastic Damage Growth. Journal of Engineering Mechanics - ASCE, 1998, 124, 1000-1009.	1.6	10
152	STRUCTURAL RESPONSE AND DAMAGE ASSESSMENT BY ENHANCED UNCOUPLED MODAL RESPONSE HISTORY ANALYSIS. Journal of Earthquake Engineering, 2005, 9, 719-737.	1.4	10
153	Performanceâ€based evaluation and strengthening of tall buildings in the Los Angeles region by using Bayesian structural reliability. Structural Design of Tall and Special Buildings, 2014, 23, 760-780.	0.9	10
154	Impact of Fire Exposure on Heat Transmission in Concrete Slabs. Journal of Structural Engineering, 1991, 117, 1870-1875.	1.7	9
155	Probability-based seismic safety evaluation of existing buildings. Engineering Structures, 1997, 19, 708-717.	2.6	9
156	Confidence intervals for reliability indices using likelihood ratio statistics. Structural Safety, 2012, 38, 48-55.	2.8	8
157	Serviceability Limit States: Connection Slip. Journal of the Structural Division, 1982, 108, 2668-2680.	0.2	8
158	A CDM analysis of stochastic ductile damage growth and reliability. Probabilistic Engineering Mechanics, 1999, 14, 45-54.	1.3	7
159	Solution methods and initialization techniques in SFE analysis of structural stability. Probabilistic Engineering Mechanics, 2005, 20, 179-187.	1.3	7
160	Developing measurement science for community resilience assessment. Sustainable and Resilient Infrastructure, 2016, 1, 93-94.	1.7	7
161	Solving Markov decision processes for network-level post-hazard recovery via simulation optimization and rollout. , 2018, , .		7
162	Tropical cyclone damage assessment of distributed infrastructure systems under spatially correlated wind speeds. Structural Safety, 2021, 91, 102080.	2.8	7

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163	Reliability of Current Reinforced Concrete Designs. Journal of the Structural Division, 1979, 105, 699-712.	0.2	7
164	Limitâ€State Interactions in Reliabilityâ€Based Design for Wood Structures. Journal of Structural Engineering, 1992, 118, 813-827.	1.7	6
165	Life-cycle analysis (LCA) to restore community building portfolios by building back better I: Building portfolio LCA. Structural Safety, 2020, 84, 101919.	2.8	6
166	Life-cycle analysis (LCA) to restore community building portfolios by building back better II: Decision formulation. Structural Safety, 2020, 84, 101921.	2.8	6
167	Enhancing bridge performance following earthquakes using Markov decision process. Structure and Infrastructure Engineering, 2021, 17, 62-73.	2.0	6
168	Error Measure for Reliability Studies Using Reduced Variable Set. Journal of Engineering Mechanics - ASCE, 1995, 121, 935-937.	1.6	5
169	Estimating nominal strength of built-up CFRP laminates from standardized specimen tests. Structural Safety, 2014, 47, 24-28.	2.8	5
170	The relation between cost-benefit analysis and risk acceptance in regulatory decision-making. International Journal of Risk Assessment and Management, 2019, 22, 44.	0.2	5
171	Probability Models for Annual Extreme Water-Equivalent Ground Snow. Monthly Weather Review, 1984, 112, 1153-1159.	0.5	4
172	Transfer function models for determining dynamic wind loads on buildings. Journal of Wind Engineering and Industrial Aerodynamics, 1990, 36, 449-458.	1.7	4
173	Counteracting Structural Loads: Treatment in ASCE Standard 7-05. Journal of Structural Engineering, 2009, 135, 94-97.	1.7	4
174	Serviceability assessment of electrical power transmission systems under probabilistically stated seismic hazards: case study for Shelby County, Tennessee. Structure and Infrastructure Engineering, 2009, 5, 343-353.	2.0	4
175	Life-cycle cost and sustainability analysis of light-frame wood residential communities exposed to tornados. Natural Hazards, 2021, 109, 523-544.	1.6	4
176	Structural Load Estimates from Geographically Sparse Data. Journal of Structural Engineering, 1987, 113, 628-632.	1.7	3
177	Public Safetyâ€"Is It Compromised by New LRFD Design Standards?. Journal of Structural Engineering, 1995, 121, 142-151.	1.7	3
178	Eurocodes and Their Implications for Bridge Design: Background, Implementation, and Comparison to North American Practice. Journal of Bridge Engineering, 2014, 19, 3-4.	1.4	3
179	Structural Design and Robustness for Community Resilience to Natural Hazards. Journal of Structural Engineering, 2020, 146, .	1.7	3
180	Reliability Analysis of Steel Beam-Columns. Journal of the Structural Division, 1980, 106, 2560-2564.	0.2	3

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181	Probability-based design criteria for shear walls in nuclear power plants. Nuclear Engineering and Design, 1986, 97, 327-337.	0.8	2
182	Transfer Function Modeling of Dynamic Wind Loads on Buildings. Journal of Engineering Mechanics - ASCE, 1990, 116, 1473-1488.	1.6	2
183	Limit State Sensitivity of Structural Frames Subjected to Cyclic Forces. Journal of Structural Engineering, 1990, 116, 2824-2841.	1.7	2
184	Closure to â€œ Probability Based Load Criteria: Assessment of Current Design Practice â€•by Theodore V. Galambos, Bruce Ellingwood, James G. MacGregor, and C. Allin Cornell (May, 1982). Journal of Structural Engineering, 1983, 109, 1087-1088.	1.7	1
185	Statistical Tests of Environmental Load Data. Journal of Structural Engineering, 1984, 110, 1400-1404.	1.7	1
186	Structural reliability theory and its applications. Structural Safety, 1984, 2, 162-163.	2.8	1
187	Safety assessment of structures in nuclear facilities: application of probabilistic methods. Structural Control and Health Monitoring, 1998, 1, 207-213.	0.7	1
188	Closure to â€œ Safety Checking Formats for Limit States Design â€•by Bruce Ellingwood (July, 1982). Journal of Structural Engineering, 1983, 109, 1525-1525.	1.7	0
189	Closure to â€œ Structural Serviceability: Floor Vibrations â€•by Bruce Ellingwood and Andrew Tallin (February, 1984). Journal of Structural Engineering, 1985, 111, 1160-1161.	1.7	0
190	Closure to â€œ Wind Induced Lateralâ€Torsional Motion of Buildings â€•by Andrew Tallin and Bruce Ellingwood (Oct., 1985). Journal of Structural Engineering, 1987, 113, 2323-2323.	1.7	0
191	A model for scholarly journals. Computer-Aided Civil and Infrastructure Engineering, 2020, 35, 1044-1045.	6.3	0