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Minimum Building Life-Cycle Cost Design Criteria. I: Method

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#	Paper	IF	Citations
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218	Minimum Building Life-Cycle Cost Design Criteria. II: Applications. <i>Journal of Structural Engineering</i> , <b>2001</b> , 127, 338-346	3	117
217	Integrated optimum design of viscoelastically damped structural systems. <b>2004</b> , 26, 581-591		49
216	Cost-effectiveness analysis of seismically isolated pool structures for the storage of nuclear spent-fuel assemblies. <b>2004</b> , 231, 259-270		9
215	A Software System for Integrated Design and Construction Planning of Steel Frame Structures. <b>2004</b> , 1		
214	Occupancy importance factor in earthquake engineering. <b>2005</b> , 27, 1625-1632		12
213	Risk-benefit-based design decisions for low-probability/high consequence earthquake events in Mid-America. <b>2005</b> , 7, 56-70		90
212	Risk-informed condition assessment of civil infrastructure: state of practice and research issues. <b>2005</b> , 1, 7-18		175
211	Risk Concession Model for Build/Operate/Transfer Contract Projects. <b>2005</b> , 131, 211-220		102
210	Assessment of seismic design procedures based on the total cost. <b>2006</b> , 35, 1381-1401		22
209	Optimizing Maintenance Interventions for Deteriorating Structures Using Cost-Benefit Criteria. <i>Journal of Structural Engineering</i> , <b>2007</b> , 133, 925-934	3	12
208	Robust Performance-Based Design Optimization of Steel Moment Resisting Frames. <b>2007</b> , 11, 752-772		7
207	Multiobjective Optimization for Performance-Based Design of Reinforced Concrete Frames. <i>Journal of Structural Engineering</i> , <b>2007</b> , 133, 1462-1474	3	63
206	COST-BENEFIT BASED OPTIMIZATION OF MAINTENANCE INTERVENTIONS FOR DETERIORATING STRUCTURES. <b>2007</b> , 24, 131s-147s		
205	A fuzzy simulation model for evaluating the concession items of public-private partnership schemes. <b>2007</b> , 17, 22-29		43
204	Robust seismic design optimization of steel structures. <b>2007</b> , 33, 457-469		42
203	Life-cycle cost analysis of design practices for RC framed structures. <b>2007</b> , 5, 425-442		31

202	Feasibility of pre-earthquake strengthening of buildings based on cost-benefit and life-cycle cost analysis, with the aid of fragility curves. <b>2008</b> , 45, 33-54	64
201	A simulation model for evaluating the tariff stability of concession-based PPP proposals. <b>2008</b> , 8, 106-119	5
200	Risk, reliability and sustainability in the developing world. <b>2008</b> , 161, 189-197	7
199	The Influence of Masonry Infill Walls in the Framework of the Performance-Based Design. <b>2009</b> , 14, 57-79	9
198	Optimization Model for Design and Operation of Transportation Networks in Seismic Regions. <b>2009</b> , 15, 70-79	3
197	Effect of cumulative seismic damage and corrosion on the life-cycle cost of reinforced concrete bridges. <b>2009</b> , 38, 887-905	82
196	Building life-cycle cost analysis due to mainshock and aftershock occurrences. <b>2009</b> , 31, 396-408	43
195	Decision making with epistemic uncertainty under safety constraints: An application to seismic design. <b>2009</b> , 24, 426-437	11
194	Optimum Design Approaches for Improving the Seismic Performance of 3D RC Buildings. <b>2009</b> , 13, 345-363	3
193	STOCHASTIC VALUE INDEX FOR SEISMIC RISK MANAGEMENT OF EXISTING LIFELINES. <b>2009</b> , 65, 589-600	
192	The impact of the earthquake incident angle on the seismic loss estimation. <b>2010</b> , 32, 1577-1589	30
191	Risk-based seismic life-cycle costBenefit (LCC-B) analysis for bridge retrofit assessment. <b>2010</b> , 32, 165-173	128
190	Building design based on energy dissipation: a critical assessment. <b>2010</b> , 8, 1375-1396	27
189	Reliability-based optimization considering design variables of discrete size. <b>2010</b> , 32, 2919-2930	16
188	Optimal Design of a Complex High-Rise Building Based on Cost-Effectiveness Criterion. <b>2010</b> , 163-167, 2295-2303	1
187	Life-cycle performance, management, and optimisation of structural systems under uncertainty: accomplishments and challenges 1. <b>2011</b> , 7, 389-413	297
186	Protection of Built Environment Against Earthquakes. <b>2011</b> ,	1
185	Probabilistic seismic loss assessment of aging bridges using a component-level cost estimation approach. <b>2011</b> , 40, 1743-1761	49

184	A stakeholder probability-based optimization approach for cost-effective bridge management under financial constraints. <b>2011</b> , 33, 1439-1449	12
183	Life-cycle cost assessment of optimally designed reinforced concrete buildings under seismic actions. <b>2011</b> , 96, 1311-1331	73
182	Evaluation of ASCE-41, ATC-40 and N2 static pushover methods based on optimally designed buildings. <b>2011</b> , 31, 77-90	19
181	Optimization of bridge maintenance strategies based on structural health monitoring information. <b>2011</b> , 33, 26-41	55
180	Life-cycle performance of structures subject to multiple deterioration mechanisms. <b>2011</b> , 33, 206-217	100
179	EFFECT OF X-BRACING CONFIGURATION ON EARTHQUAKE DAMAGE COST OF STEEL BUILDING / KRYMINIŲ PAIDALO POVEIKIS PLIENINIŲ KONSTRUKCIJŲ PASTATO APGADINIMO KAINAI DĖMĖS DREBĖIMO. <b>2011</b> , 17, 348-356	1
178	Review of Methods to Assess, Design for, and Mitigate Multiple Hazards. <b>2012</b> , 26, 104-117	58
177	Statistical Analyses of Steel Frame Structure Drift Angle. <b>2012</b> , 204-208, 1102-1108	1
176	Assessment of Damage Risks to Residential Buildings and Cost-Benefit of Mitigation Strategies Considering Hurricane and Earthquake Hazards. <b>2012</b> , 26, 7-16	32
175	Optimisation of the design of infrastructure components subject to progressive deterioration and extreme loads. <b>2012</b> , 8, 655-667	5
174	Modified-modal-pushover-based seismic optimum design for steel structures considering life-cycle cost. <b>2012</b> , 45, 861-874	13
173	Risk-averse decision-making for civil infrastructure exposed to low-probability, high-consequence events. <b>2012</b> , 104, 27-35	61
172	A three-stage resilience analysis framework for urban infrastructure systems. <b>2012</b> , 36-37, 23-31	394
171	Life-cycle cost assessment of RC and ECC frames using structural optimization. <b>2013</b> , 42, 61-79	30
170	Life-cycle cost assessment of mid-rise and high-rise steel and steel-reinforced concrete composite minimum cost building designs. <b>2013</b> , 22, 954-974	13
169	A Review on Traditional and Modern Structural Optimization. <b>2013</b> , 25-47	30
168	Estimating life-cycle monetary losses due to wind hazards: Fragility analysis of long-span bridges. <b>2013</b> , 56, 1593-1606	41
167	Effect of Topology Irregularities and Construction Quality on Life-Cycle Cost of Reinforced Concrete Buildings. <b>2013</b> , 17, 590-610	9

166	Seismic risk mitigation of building structures: The role of risk aversion. <b>2013</b> , 40, 11-19	31
165	Sustainability of Natural Hazard Risk Mitigation: Life Cycle Analysis of Environmental Indicators for Bridge Infrastructure. <b>2013</b> , 19, 395-408	60
164	Cost-Benefit Evaluation of Seismic Risk Mitigation Alternatives for Older Concrete Frame Buildings. <b>2013</b> , 29, 1391-1411	67
163	Life-cycle cost analysis in determining an importance factor for fire department buildings. <b>2013</b> , 36, 1029-1044	2
162	The effect of uncertainties in seismic loss estimation of steel and reinforced concrete composite buildings. <b>2013</b> , 9, 546-566	5
161	Performance-based optimum design of structures with vulnerability objectives. <b>2013</b> , 7, 75	1
160	Life-cycle maintenance of deteriorating structures by multi-objective optimization involving reliability, risk, availability, hazard and cost. <b>2014</b> , 48, 40-50	81
159	Renewal theory-based life-cycle analysis of deteriorating engineering systems. <b>2014</b> , 50, 94-102	50
158	Attitudes towards acceptance of risk to buildings from extreme winds. <b>2014</b> , 10, 697-707	10
157	Minimum failure cost-based energy dissipation system designs for buildings in three seismic regions [Part I: Elements of failure cost analysis. <b>2014</b> , 74, 266-274	14
156	Seismic performance evaluation of single-layer reticulated dome and its fragility analysis. <b>2014</b> , 100, 176-182	30
155	Generation of artificial accelerograms for efficient life-cycle cost analysis of structures. <b>2015</b> , 88, 138-153	10
154	Simulation and analysis of intervention costs due to wind-induced damage on tall buildings. <b>2015</b> , 87, 183-197	43
153	Exploring the impact of climate change on lifetime replacement costs for long-span bridges prone to torsional flutter. <b>2015</b> , 140, 1-9	13
152	Stochastic life-cycle cost analysis of wind parks. <b>2015</b> , 144, 117-127	8
151	Seismic Damage Accumulation in Highway Bridges in Earthquake-Prone Regions. <b>2015</b> , 31, 115-135	41
150	Seismic Loss Estimation and Environmental Issues. <b>2015</b> , 31, 1285-1308	15
149	Ethical discounting for civil infrastructure decisions extending over multiple generations. <b>2015</b> , 57, 43-52	26

148	Vulnerability assessment and feasibility analysis of seismic strengthening of school buildings. <b>2015</b> , 13, 3809-3840		8
147	Seismic assessment of structures and lifelines. <b>2015</b> , 334, 29-56		34
146	Life-Cycle Cost Model and Design Optimization of Base-Isolated Building Structures. <i>Frontiers in Built Environment</i> , <b>2016</b> , 2,	2.2	5
145	Probabilistic Time-Dependent Multihazard Life-Cycle Assessment and Resilience of Bridges Considering Climate Change. <b>2016</b> , 30, 04016034		77
144	Life cycle performance goals for civil infrastructure: intergenerational risk-informed decisions. <b>2016</b> , 12, 822-829		20
143	An approximate stochastic dynamics approach for nonlinear structural system performance-based multi-objective optimum design. <b>2016</b> , 60, 67-76		18
142	Age-dependent fragility and life-cycle cost analysis of wood and steel power distribution poles subjected to hurricanes. <b>2016</b> , 12, 890-903		32
141	Life-cycle cost and seismic reliability analysis of 3D systems equipped with FPS for different isolation degrees. <b>2016</b> , 125, 349-363		43
140	Exploring hurricane wind speed along US Atlantic coast in warming climate and effects on predictions of structural damage and intervention costs. <b>2016</b> , 122, 209-225		41
139	The Life Profitability Method (LPM): A financial approach to engineering decisions. <b>2016</b> , 63, 11-20		20
138	Life-Cycle Performance of Deteriorating Structural Systems under Uncertainty: Review. <i>Journal of Structural Engineering</i> , <b>2016</b> , 142,	3	143
137	Multi-hazard Approaches to Civil Infrastructure Engineering. <b>2016</b> ,		22
136	Sensitivity analysis on seismic life-cycle cost of a fixed-steel offshore platform structure. <b>2016</b> , 121, 323-340		27
135	Natural Hazard Probabilistic Risk Assessment Through Surrogate Modeling. <b>2016</b> , 59-86		2
134	Managing Risks to Civil Infrastructure due to Natural Hazards: Communicating Long-Term Risks due to Climate Change. <b>2016</b> , 97-112		2
133	Cost-Benefit Analysis of Buildings Retrofitted Using GIB Systems. <b>2016</b> , 32, 861-879		2
132	Life cycle sustainability assessment of RC buildings in seismic regions. <b>2016</b> , 110, 347-362		63
131	Life cycle cost assessment of masonry structures. <b>2016</b> , 12, 535-550		

130	Bridge life-cycle performance and cost: analysis, prediction, optimisation and decision-makingBased on the T.Y. Lin plenary lecture and the associated paper presented at the 8th International Conference on Bridge Maintenance, Safety and Management (IABMAS2016), Iguassu Falls, Paran�Brazil, 26-30 June, 2016.View all notes. <b>2017</b> , 13, 1239-1257		122
129	A Lifecycle Cost Analysis of Residential Buildings Including Natural Hazard Risk. <b>2017</b> , 143, 04017017		14
128	Simplified seismic life cycle cost estimation of a steel jacket offshore platform structure. <b>2017</b> , 13, 1027-1044	13	
127	A combinatorial optimization approach for multi-hazard design of building systems with suspended floor slabs under wind and seismic hazards. <b>2017</b> , 137, 268-284		17
126	Minimum life-cycle cost-based optimal design of yielding metallic devices for seismic loads. <b>2017</b> , 144, 174-184		15
125	Bridge network maintenance prioritization under budget constraint. <b>2017</b> , 67, 96-104		26
124	A value-based design approach for base-isolated structural systems. <b>2017</b> , 34, 34-52		1
123	Decision-making for Civil Infrastructures Incorporating the time-Varying Effect of Risk Preference. <b>2017</b> , 198, 907-914		1
122	Investigation on life-cycle damage cost of wind-excited tall buildings considering directionality effects. <b>2017</b> , 171, 207-218		32
121	Reliability-based optimal load factors for seismic design of buildings. <b>2017</b> , 151, 527-539		12
120	State of the Art of Multihazard Design. <i>Journal of Structural Engineering</i> , <b>2017</b> , 143, 03117002	3	23
119	Life-cycle cost optimization of the seismic retrofit of existing RC structures. <b>2017</b> , 15, 2245-2271		27
118	A decision model for intergenerational life-cycle risk assessment of civil infrastructure exposed to hurricanes under climate change. <b>2017</b> , 159, 100-107		26
117	References. <b>2017</b> , 457-495		
116	Adaptive Decision Framework for Civil Infrastructure exposed to Evolving Risks. <b>2018</b> , 212, 435-442		1
115	Building service life economic loss assessment under sequential seismic events. <b>2018</b> , 47, 1864-1881		13
114	Multiobjective Design of Supplemental Seismic Protective Devices Utilizing Lifecycle Performance Criteria. <i>Journal of Structural Engineering</i> , <b>2018</b> , 144, 04017225	3	7
113	A unified framework for performance-based wind engineering of tall buildings in hurricane-prone regions based on lifetime intervention-cost estimation. <b>2018</b> , 73, 75-86		29

112	Life-cycle damage-based cost analysis of tall buildings equipped with tuned mass dampers. <b>2018</b> , 176, 54-64		23
111	Methodology for Evaluating Community Resilience. <i>Natural Hazards Review</i> , <b>2018</b> , 19, 04017021	3.5	2
110	Resilience and life-cycle performance of smart bridges with shape memory alloy (SMA)-cable-based bearings. <b>2018</b> , 158, 389-400		79
109	Experimental and Numerical Investigation on Seismic Performance of a Hybrid RC Frame System with Stiffened Masonry Wall. <b>2018</b> , 16, 600-614		3
108	An improved multi-objective optimization approach for performance-based design of structures using nonlinear time-history analyses. <b>2018</b> , 73, 647-665		14
107	Adaptive decision-making for civil infrastructure systems and communities exposed to evolving risks. <b>2018</b> , 75, 1-12		8
106	An exploration into design criteria for affordable housing in Malaysia. <b>2018</b> , 16, 360-384		4
105	Multi-hazard loss analysis of tall buildings under wind and seismic loads. <b>2018</b> , 14, 1295-1311		30
104	Interactive evolutionary multi-objective optimization and decision-making on life-cycle seismic design of bridge. <b>2018</b> , 21, 2227-2240		5
103	Life-cycle cost evaluation of steel structures retrofitted with steel slit damper and shape memory alloyBased hybrid damper. <b>2019</b> , 22, 3-16		19
102	Experimental study and design of a new hybrid RC frame system with stiffened masonry wall subjected to cyclic loading. <b>2019</b> , 28, e1662		
101	Towards Resilient Civil Infrastructure Asset Management: An Information Elicitation and Analytical Framework. <b>2019</b> , 11, 4439		10
100	Loss impact factors for lifetime seismic loss assessment of steel concentrically braced frames designed to EC8. <b>2019</b> , 4, 110-122		3
99	Damage risk assessment of a high-rise building against multihazard of earthquake and strong wind with recorded data. <b>2019</b> , 200, 109697		15
98	Interactive Multiobjective Optimization for Life-Cycle Analysis in Seismic Design of Bridges. <b>2019</b> , 145, 04019050		4
97	Risk-Based Reliability and Cost Analysis of Utility Poles Subjected to Tornado Hazard. <b>2019</b> , 32, 04019040		8
96	An Automated Procedure for Assessing Local Reliability Index and Life-Cycle Cost of Alternative Girder Bridge Design Solutions. <i>Advances in Civil Engineering</i> , <b>2019</b> , 2019, 1-17	1.3	5
95	Cost-Based Design of Nonstructural Elements for Tall Buildings under Extreme Wind Environments. <b>2019</b> , 32, 04019020		7



94	Multihazard Design and Cost-Benefit Analysis of Buildings with Special Moment-Resisting Steel Frames. <i>Journal of Structural Engineering</i> , <b>2019</b> , 145, 04019031	3	13
93	Life-Cycle Performance of Deteriorating Structures. <b>2019</b> , 33-64		1
92	Application of interpretable machine learning models for the intelligent decision. <b>2019</b> , 333, 273-283		20
91	A five-grade grading system for the evaluation and communication of short-term and long-term risk posed by natural hazards. <b>2019</b> , 78, 48-62		4
90	Application of a Comprehensive Seismic Retrofit Procedure for Steel Buildings Using Nonlinear Viscous Dampers. <b>2019</b> , 17, 1261-1279		4
89	Shaking Table Test of Mid-Rise Concrete Shear Walls with a Single Layer of Web Reinforcement and Inclined Steel Bars. <b>2019</b> , 17, 1043-1055		1
88	Methodology to Develop Fragility Curves of Glass Facades Under Wind-Induced Pressure. <b>2019</b> , 17, 347-359		3
87	Interaction of life-cycle phases in a probabilistic life-cycle framework for civil infrastructure system sustainability. <b>2020</b> , 5, 289-310		5
86	Life-cycle sustainability design of RC frames under the seismic loads. <b>2020</b> , 21, 293-310		
85	Performance-Based Wind Engineering of Tall Buildings Examining Life-Cycle Downtime and Multisource Wind Damage. <i>Journal of Structural Engineering</i> , <b>2020</b> , 146, 04019179	3	12
84	A practical methodology for optimum seismic design of RC frames for minimum damage and life-cycle cost. <b>2020</b> , 202, 109896		13
83	Life-Cycle Cost Analysis of a Point-Like Structure Subjected to Tornadic Wind Loads. <i>Journal of Structural Engineering</i> , <b>2020</b> , 146, 04019194	3	4
82	Time-cost Trade-off Analysis for wind-induced inhabitability of tall buildings equipped with tuned mass dampers. <b>2020</b> , 207, 104394		2
81	Assessing the Risk of Natural Disaster-Induced Losses to Tunnel-Construction Projects Using Empirical Financial-Loss Data from South Korea. <b>2020</b> , 12, 8026		9
80	Life-cycle cost based design of bridge lead-rubber isolators in seismic regions. <b>2020</b> , 27, 383-395		8
79	A Two-Level Kriging-Based Approach with Active Learning for Solving Time-Variant Risk Optimization Problems. <b>2020</b> , 203, 107033		18
78	Seismic life-cycle cost assessment of steel frames equipped with steel panel walls. <b>2020</b> , 211, 110399		16
77	Natural Hazard Influence Model of Maintenance and Repair Cost for Sustainable Accommodation Facilities. <b>2020</b> , 12, 4994		5

76	Optimal design of redundant structural systems: fundamentals. <b>2020</b> , 219, 110542	6
75	Higher-order analysis of probabilistic long-term loss under nonstationary hazards. <b>2020</b> , 203, 107092	8
74	Multi-objective interior design optimization method based on sustainability concepts for post-disaster temporary housing units. <b>2020</b> , 173, 106742	15
73	Life-cycle analysis (LCA) to restore community building portfolios by building back better I: Building portfolio LCA. <b>2020</b> , 84, 101919	2
72	Value based seismic design of structures using performance assessment by the endurance time method. <b>2020</b> , 16, 1397-1415	8
71	Optimal seismic retrofit method for reinforced concrete columns with wing walls. <b>2020</b> , 210, 110390	4
70	Probabilistic assessment of steel buildings installed with passive control devices under multi-hazard scenario of earthquake and wind. <b>2020</b> , 85, 101955	9
69	Availability analysis of aging-dependent systems under imperfect repair. <b>2020</b> , 137-205	
68	Enhancing bridge performance following earthquakes using Markov decision process. <b>2021</b> , 17, 62-73	1
67	Parameterized seismic life-cycle cost evaluation method for building structures. <b>2021</b> , 17, 425-439	7
66	A Markovian approach to infrastructure life-cycle analysis: Modeling the interplay of hazard effects and recovery. <b>2021</b> , 50, 736-755	3
65	Life-cycle cost-based optimization of MTMDs for tall buildings under multiple hazards. <b>2021</b> , 17, 921-940	11
64	Progress in sustainable structural engineering: a review. <b>2021</b> , 6, 1	2
63	Cost-effectiveness of base isolation for large transformers in areas of high seismic intensity. 1-15	
62	Risk-informed knowledge-based design for road infrastructure in an extreme environment. <b>2021</b> , 216, 106741	4
61	On optimal proportions of structural member cross-sections to achieve best seismic performance using value based seismic design approach. <b>2021</b> , 231, 111751	11
60	Life-cycle reliability-based robust design optimization for GP model with response uncertainty. <b>2021</b> , 37, 2499-2513	2
59	BIM-based approach to conduct Life Cycle Cost Analysis of resilient buildings at the conceptual stage. <b>2021</b> , 123, 103480	11

58	Relations of Imperfect Repairs to Critical Infrastructure Maintenance Costs. <b>2021</b> , 13, 4917		3
57	Life cycle cost optimization of earthquake-resistant steel framed tube tall buildings. <b>2021</b> , 30, 585-601		7
56	Life-Cycle Cost Analysis of Seismic Designed RC Frames Including Environmental and Social Costs. 1-20		0
55	Device uncertainty propagation in low-ductility RC frames retrofitted with BRBs for seismic risk mitigation. <b>2021</b> , 50, 2488-2509		10
54	Gradient-based multi-hazard optimization of MTMDs for tall buildings. <b>2021</b> , 249, 106503		2
53	Mainshock-aftershock low-cycle fatigue damage evaluation of performance-based optimally designed steel moment frames. <b>2021</b> , 237, 112207		1
52	Life-cycle cost assessment of vertical structures under nonstationary winds: Downburst vs. tornado loads. <b>2021</b> , 243, 112515		2
51	Performance-based seismic retrofit of RC structures using concentric braced frames equipped with friction dampers and disc springs. <b>2021</b> , 243, 112555		6
50	Significance of multi-hazard risk in design of buildings under earthquake and wind loads. <b>2021</b> , 243, 112623		3
49	Assessing the sustainability index of different post-disaster temporary housing unit configuration types. <i>Journal of Building Engineering</i> , <b>2021</b> , 42, 102806	5.2	4
48	Reliability-based design approach for high-rise buildings subject to earthquakes and strong winds. <b>2021</b> , 244, 112771		2
47	A deep learning algorithm-driven approach to predicting repair costs associated with natural disaster indicators: The case of accommodation facilities. <i>Journal of Building Engineering</i> , <b>2021</b> , 42, 103098	5.2	0
46	Performance-Based Multi-objective Optimization of Large Steel Structures. <b>2020</b> , 157-179		1
45	Multi-Hazard Multi-Objective Optimization of Building Systems with Isolated Floors Under Seismic and Wind Demands. <b>2016</b> , 141-164		4
44	Modified-modal-pushover-based seismic optimum design for steel structures considering life-cycle cost. <b>2012</b> , 45, 861		0
43	Seismic loss and resilience assessment of single-column rocking bridges. <b>2020</b> , 18, 4481-4513		17
42	Probabilistic Aspects of Earthquake Engineering. <b>2004</b> ,		2
41	Multi-hazard life-cycle performance of tall buildings under seismic and wind loads. <b>2016</b> , 52-52		5

40	Life Cycle Cost Considerations in Seismic Design Optimization of Structures. 1-22		6
39	Optimal Seismic Performance-Based Design of Reinforced Concrete Buildings. 208-231		2
38	Life-cycle cost analysis of bridges subjected to fatigue damage. <b>2021</b> , 2,		1
37	Multi-objective optimal design of steel MRF buildings based on life-cycle cost using a swift algorithm. <b>2021</b> , 34, 4041-4059		5
36	Seismic collapse safety analysis of performance-based optimally designed reinforced concrete frames considering life-cycle cost. <i>Journal of Building Engineering</i> , <b>2021</b> , 44, 103430	5.2	1
35	Multi-objective optimum design of nonlinear viscous dampers in steel structures based on life cycle cost. <b>2021</b> , 34, 3776-3788		3
34	Political Management Issues and Societal Risk Trade-off for the Built Environment. <b>2004</b> , 537-542		
33	COST-BENEFIT BASED OPTIMIZATION OF MAINTENANCE INTERVENTIONS FOR DETERIORATING STRUCTURES. <b>2007</b> , 63, 727-743		
32	Performance-based Design Using Optimization and Probabilistic Tools. <b>2009</b> ,		
31	Stochastic value index for seismic risk management of existing lifelines. <b>2009</b> , 32, 147-165		1
30	Risk measures in design of geotechnical structures. <b>2009</b> ,		
29	References. <b>2010</b> , 367-405		
28	Structural Optimization: An Assessment Approach of Design Procedures Against Earthquake Hazard. <b>2011</b> , 185-209		
27	Integrated Embodied Carbon Optimal Design of Super Tall Building Structures with Viscous Dampers. <b>2015</b> ,		
26	Life-Cycle Cost Modeling and Optimization. <b>2016</b> , 231-270		
25	Risk-Informed Decision Framework for Built Environment: The Incorporation of Epistemic Uncertainty. <b>2016</b> , 279-296		
24	LCA Design Considerations for Cyclically Loaded Piles in Railway Infrastructure. <b>2016</b> ,		
23	A BIM-Based Preliminary Database Framework for Structural Hazard Prevention Analysis. <b>2016</b> , 10, 695-705		1

22	Life-Cycle Cost-Based Wind Design of Tall Buildings. <b>2019</b> , 376-386		
21	Life-cycle probabilistic loss and resilience quantification of civil infrastructure under extreme events. <b>2020</b> ,		
20	Proposed time-dependent approach to seismic loss evaluation through the life cycle of a structure. <b>2022</b> , 36, 280-290		
19	Risk-Informed Design Optimization of Vertically Distributed Tuned Liquid Wall Dampers for Multihazard Mitigation. <i>Journal of Structural Engineering</i> , <b>2022</b> , 148,	3	1
18	A framework for the lifecycle cost assessment of structures considering multiple mainshock-aftershock sequences. <i>Journal of Building Engineering</i> , <b>2022</b> , 48, 103940	5.2	0
17	Performance-Based Design of Tall Timber Buildings Under Earthquake and Wind Multi-Hazard Loads: Past, Present, and Future. <i>Frontiers in Built Environment</i> , <b>2022</b> , 8,	2.2	1
16	Multihazard Performance-Based Assessment Framework for Multistory Steel Buildings. <i>Journal of Structural Engineering</i> , <b>2022</b> , 148,	3	1
15	Bayesian-based seismic resilience assessment for high-rise buildings with the uncertainty in various variables. <i>Journal of Building Engineering</i> , <b>2022</b> , 51, 104321	5.2	0
14	Bi-tuned semi-active TMDs: Multi-hazard design for tall buildings using gradient-based optimization. <i>Structural Control and Health Monitoring</i> , <b>2022</b> , 29,	4.5	1
13	Development an Artificial Neural Network Model for Estimating Cost of R/C Building by Using Life-Cycle Cost Function: Case Study of Mexico City. <i>Advances in Civil Engineering</i> , <b>2022</b> , 2022, 1-15	1.3	
12	Life-cycle failure probability analysis of deteriorated RC bridges under multiple hazards of earthquakes and strong winds. <i>Earthquake Engineering and Engineering Vibration</i> , <b>2022</b> , 21, 811-823	2	
11	Texture-Informed Approach for Hurricane Loss Estimation: How Discounting Neighborhood Texture Leads to Undervaluing Wind Mitigation. <i>Natural Hazards Review</i> , <b>2022</b> , 23,	3.5	
10	Seismic collapse probability and life cycle cost assessment of isolated structures subjected to pounding with smart hybrid isolation system using a modified fuzzy based controller. <b>2022</b> , 44, 30-41		1
9	Seismic fragility and loss assessment on earthquake-resilient double-column tall piers with shear links subjected to far-field and near-fault ground motions. <b>2022</b> , 45, 1774-1787		0
8	Condition-Based Maintenance. <b>2023</b> , 11-21		0
7	What we learn is what we earn from sustainable and circular construction. <b>2023</b> , 382, 135183		0
6	Digital twin-based life-cycle seismic performance assessment of a long-span cable-stayed bridge.		0
5	Value-Based Seismic Performance Optimization of Steel Frames Equipped with Viscous Dampers. 1-27		0

- 4 Life-cycle cost analysis of steel frames with shape-memory alloy based dampers. **2023**, 52, 794-812 ○
- 3 Simplified Life Cycle Cost Estimation of Low-Rise Steel Buildings Using Fundamental Period. **2023**, 15, 2706 ○
- 2 Life-cycle cost-oriented multiobjective optimization of composite frames considering the slab effect. ○
- 1 Life-cycle cost analysis and life-cycle assessment of the second-generation benchmark building subject to typhoon wind loads in Hong Kong. ○