

# Makoto Yamakawa

## List of Publications by Year in descending order

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18  
papers

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citations

1477746

6  
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1372195

10  
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times ranked

82  
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#	ARTICLE	IF	CITATIONS
1	Feasibility of tension braces using Cu-Al-Mn superelastic alloy bars. <i>Structural Control and Health Monitoring</i> , 2014, 21, 1304-1315.	1.9	38
2	A METHOD FOR SELECTING OPTIMUM DISCRETE SECTIONS OF STEEL FRAMES USING TWO-STEP RELAXATION. <i>Journal of Structural and Construction Engineering</i> , 2004, 69, 95-100.	0.2	11
3	INFLUENCE OF P-DELTA EFFECT ON DYNAMIC RESPONSE OF HIGH-RISE MOMENT-RESISTING STEEL BUILDINGS SUBJECT TO EXTREME EARTHQUAKE GROUND MOTIONS. <i>Journal of Structural and Construction Engineering</i> , 2009, 74, 1861-1868.	0.2	8
4	An order statistics approach to multiobjective structural optimization considering robustness and confidence of responses. <i>Mechanics Research Communications</i> , 2019, 97, 33-38.	1.0	8
5	OPTIMUM DESIGN METHOD OF STEEL BUILDING FRAMES USING EXPRESSION OF A MEMBER SECTION BASED ON MIXTURES OF PROBABILISTIC PRINCIPAL COMPONENT ANALYZERS. <i>Journal of Structural and Construction Engineering</i> , 2004, 69, 77-83.	0.2	8
6	Sequential mixture of Gaussian processes and saddlepoint approximation for reliability-based design optimization of structures. <i>Structural and Multidisciplinary Optimization</i> , 2021, 64, 625.	1.7	7
7	OPTIMUM DESIGN METHODS FOR STEEL FRAMES CONSIDERING TRANSIENT DYNAMIC ELASTO-PLASTIC RESPONSES USING PARTLY AVAILABLE SENSITIVITY INFORMATION. <i>Journal of Structural and Construction Engineering</i> , 2013, 78, 91-99.	0.2	4
8	Modeling and simulation of spring steel damper based on parameter identification with a heuristic optimization approach. <i>Journal of Mechanical Science and Technology</i> , 2015, 29, 1465-1472.	0.7	4
9	Feasibility of Cu-Al-Mn superelastic alloy bar as a self-sensor material. <i>Journal of Intelligent Material Systems and Structures</i> , 2015, 26, 364-370.	1.4	3
10	Stopping rule of multi-start local search for structural optimization. <i>Structural and Multidisciplinary Optimization</i> , 2018, 57, 595-603.	1.7	2
11	RESPONSE CHARACTERISTICS OF LOW AND MID-RISE BUILDINGS SUBJECTED TO NEAR-FIELD EQRTHQAKE GROUND MOTIONS. <i>Journal of Structural and Construction Engineering</i> , 2004, 69, 45-51.	0.2	1
12	Multiobjective robust shape and topology optimization of plane frames using order statistics. <i>Structural and Multidisciplinary Optimization</i> , 2021, 63, 75-94.	1.7	1
13	Robust geometry and topology optimization of plane frames using order statistics and force density method with global stability constraint. <i>International Journal for Numerical Methods in Engineering</i> , 2021, 122, 3653-3677.	1.5	1
14	OPTIMUM DESIGN METHOD FOR A STEEL FRAME CONSIDERING PRIOR INFORMATION ON PARAMETERS USING BAYESIAN INFORMATION CRITERION. <i>Journal of Structural and Construction Engineering</i> , 2009, 74, 2021-2028.	0.2	0
15	AN OPTIMIZATION METHOD FOR STEEL FRAMES CONSIDERING THE DISCONTINUITY OF THE STRUCTURAL PROPERTY COEFFICIENT IN NECESSARY ULTIMATE HORIZONTAL RESISTANT FORCE. <i>Journal of Structural and Construction Engineering</i> , 2011, 76, 1665-1673.	0.2	0
16	A CONVEX RELAXATION FORMULATION FOR MINIMUM WEIGHT DESIGN PROBLEM OF STEEL FRAME STRUCTURES. <i>Journal of Structural and Construction Engineering</i> , 2012, 77, 369-377.	0.2	0
17	A DESIGN METHOD FOR OPTIMAL TRUSS STRUCTURES WITH REDUNDANCY BASED ON COMBINATORIAL RIGIDITY THEORY. <i>Journal of Structural and Construction Engineering</i> , 2014, 79, 583-592.	0.2	0
18	IMPACT TESTING OF AN ARCH MODEL USING TUNED MASS DAMPERS WITH INITIAL DISPLACEMENT. <i>Journal of Structural and Construction Engineering</i> , 2016, 81, 735-745.	0.2	0