

Y Cengiz Toklu

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

526
citations

758635

12
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676716

22
g-index

42
all docs

42
docs citations

42
times ranked

291
citing authors

#	ARTICLE	IF	CITATIONS
1	Constructability Analysis in the Design Firm. Journal of Construction Engineering and Management - ASCE, 2002, 128, 117-126.	2.0	81
2	Transfer function amplitude minimization for structures with tuned mass dampers considering soil-structure interaction. Soil Dynamics and Earthquake Engineering, 2019, 116, 552-562.	1.9	68
3	Nonlinear analysis of trusses through energy minimization. Computers and Structures, 2004, 82, 1581-1589.	2.4	54
4	Application of genetic algorithms to construction scheduling with or without resource constraints. Canadian Journal of Civil Engineering, 2002, 29, 421-429.	0.7	52
5	A Novel Hybrid Harmony Search Approach for the Analysis of Plane Stress Systems via Total Potential Optimization. Applied Sciences (Switzerland), 2020, 10, 2301.	1.3	28
6	Analysis of trusses by total potential optimization method coupled with harmony search. Structural Engineering and Mechanics, 2013, 45, 183-199.	1.0	26
7	Advanced energy-based analyses of trusses employing hybrid metaheuristics. Structural Design of Tall and Special Buildings, 2019, 28, e1609.	0.9	18
8	Aggregate Blending Using Genetic Algorithms. Computer-Aided Civil and Infrastructure Engineering, 2005, 20, 450-460.	6.3	17
9	Analysis of Tensegric Structures by Total Potential Optimization Using Metaheuristic Algorithms. Journal of Aerospace Engineering, 2016, 29, .	0.8	17
10	Civil Engineering in the Design and Construction of a Lunar Base. , 2000, , 822.		16
11	The influence of zeolite and powdered Bayburt stones on the water transport kinetics and mechanical properties of hydrated lime mortars. Construction and Building Materials, 2015, 98, 345-352.	3.2	16
12	Lunar soils, simulants and lunar construction materials: An overview. Advances in Space Research, 2022, 70, 762-779.	1.2	16
13	Analysis of Plane-Stress Systems via Total Potential Optimization Method Considering Nonlinear Behavior. Journal of Structural Engineering, 2020, 146, .	1.7	12
14	Total Potential Optimization Using Metaheuristic Algorithms for Solving Nonlinear Plane Strain Systems. Applied Sciences (Switzerland), 2021, 11, 3220.	1.3	11
15	Harmony Search Optimization of Nozzle Movement for Additive Manufacturing of Concrete Structures and Concrete Elements. Applied Sciences (Switzerland), 2020, 10, 4413.	1.3	10
16	Computation of Nonunique Solutions for Trusses Undergoing Large Deflections. International Journal of Computational Methods, 2015, 12, 1550022.	0.8	8
17	Total Potential Optimization Using Metaheuristics: Analysis of Cantilever Beam via Plane-Stress Members. Advances in Intelligent Systems and Computing, 2021, , 127-138.	0.5	8
18	Considerations on the Design of Space Structures—Active Design and Inclusion of Nonlinear Effects. , 2004, , 704.		7

#	ARTICLE	IF	CITATIONS
19	Aggregate Blending via Robust Linear Programming. Journal of Construction Engineering and Management - ASCE, 2012, 138, 188-196.	2.0	6
20	Optimum lunar and martian structures and their construction. , 0, , .		5
21	Space applications of tensegric structures. , 2013, , .		5
22	Geometrically Nonlinear Analysis of Trusses Using Particle Swarm Optimization. Studies in Computational Intelligence, 2015, , 283-300.	0.7	5
23	Lunar Soil Simulants- An Assessment. , 2019, , .		5
24	Total Potential Optimization Using Hybrid Metaheuristics: A Tunnel Problem Solved via Plane Stress Members. Studies in Systems, Decision and Control, 2021, , 221-236.	0.8	5
25	Optimization in Structural Analysis and Design. , 2009, , .		4
26	Total potential energy minimization method in structural analysis considering material nonlinearity. Challenge Journal of Structural Mechanics, 2017, 3, 129.	0.2	4
27	Closure to "Constructability Analysis in the Design Firm" by David Arditi, Ahmed Elhassan, and Y. Cengiz Toklu. Journal of Construction Engineering and Management - ASCE, 2004, 130, 302-304.	2.0	3
28	Production of lunar soil simulant in Turkey. , 2017, , .		3
29	Minimization of vertical deflection of an optimum I-beam by Jaya algorithm. AIP Conference Proceedings, 2018, , .	0.3	3
30	Metaheuristics and engineering. AIP Conference Proceedings, 2013, , .	0.3	2
31	Space research and extraterrestrial construction industry. , 2017, , .		2
32	Otomatik Yapı- İnceleme Teknolojisinde Kullanılabilecek Malzemelerin Belirlenmesi. Journal of Natural and Applied Sciences, 2017, 21, 51.	0.1	2
33	Assessment of lunar surface materials. , 2015, , .		1
34	Application of Big Bang - Big Crunch Optimization to Resource Constrained Scheduling Problems. KSCE Journal of Civil Engineering, 2018, 22, 4760-4770.	0.9	1
35	Analysis of under-constrained and unstable structures by the method TPO/MA. AIP Conference Proceedings, 2018, , .	0.3	1
36	Preface of the "2nd symposium on metaheuristic and numerical analysis / engineering applications". , 2013, , .		0

#	ARTICLE	IF	CITATIONS
37	Social, historical and international aspects of space research. , 2015, , .		0
38	Preface of the "Metaheuristic and Numerical Analysis in Engineering" AIP Conference Proceedings, 2018, , .	0.3	0
39	On the Stability and Large Deflection Analysis of Elastic Bars. , 1982, , 185-200.		0