

Levent Aydin

List of Publications by Year in descending order

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papers

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citations

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all docs

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docs citations

26
times ranked

191
citing authors

#	ARTICLE	IF	CITATIONS
1	Stochastic optimization of graphite-flax/epoxy hybrid laminated composite for maximum fundamental frequency and minimum cost. Engineering Structures, 2018, 174, 675-687.	5.3	33
2	A comprehensive study on slicing processes optimization of silicon ingot for photovoltaic applications. Solar Energy, 2018, 161, 109-124.	6.1	29
3	Buckling optimization of composite laminates using a hybrid algorithm under Puck failure criterion constraint. Journal of Reinforced Plastics and Composites, 2016, 35, 1233-1247.	3.1	28
4	Optimization of lapping processes of silicon wafer for photovoltaic applications. Solar Energy, 2018, 164, 1-11.	6.1	26
5	Filtration and removal performances of membrane adsorbers. Journal of Hazardous Materials, 2017, 332, 33-41.	12.4	25
6	Comparison of stochastic search optimization algorithms for the laminated composites under mechanical and hygrothermal loadings. Journal of Reinforced Plastics and Composites, 2011, 30, 1197-1212.	3.1	17
7	A Novel Approach for the Optimal Design of a Biosensor. Analytical Letters, 2020, 53, 1428-1445.	1.8	16
8	Design of dimensionally stable composites using efficient global optimization method. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2019, 233, 156-168.	1.1	11
9	A new design strategy with stochastic optimization on the preparation of magnetite cross-linked tyrosinase aggregates (MCLTA). Process Biochemistry, 2020, 99, 131-138.	3.7	10
10	A new hybrid approach in selection of optimum establishment location of the biogas energy production plant. Biomass Conversion and Biorefinery, 2023, 13, 5771-5786.	4.6	9
11	A Robot Arm Design Optimization Method by Using a Kinematic Redundancy Resolution Technique. Robotics, 2022, 11, 1.	3.5	6
12	Stochastic optimization and modeling of high-velocity impact tests on high-temperature carbonâ€“carbon composites. SN Applied Sciences, 2021, 3, 1.	2.9	3
13	Mathematica and Optimization. , 2020, , 24-43.		3
14	Natural frequency and buckling optimization considering weight saving for hybrid graphite/epoxy-sitka spruce and graphite-flax/epoxy laminated composite plates using stochastic methods. Mechanics of Advanced Materials and Structures, 2023, 30, 2637-2650.	2.6	3
15	Stochastic Optimization of PID Parameters for Twin Rotor System with Multiple Nonlinear Regression. , 2018, , .		2
16	Material selection for hybrid natural fiber laminated composites in vibration using a stochastic optimization method. , 2021, , 281-307.		2
17	A Comprehensive Study on Burst Pressure Performance of Aluminum Liner for Hydrogen Storage Vessels. Journal of Pressure Vessel Technology, Transactions of the ASME, 2021, 143, .	0.6	2
18	Simultaneous analysis and optimum design of synthetic and vegetable fiber-reinforced composites for buckling - failure phenomena. Mechanics of Advanced Materials and Structures, 2022, 29, 5501-5510.	2.6	2

#	ARTICLE	IF	CITATIONS
19	Single- and Multiobjective Optimizations of Dimensionally Stable Composites Using Genetic Algorithms. Mechanics of Composite Materials, 2021, 57, 321-336.	1.4	1
20	Optimum design of anti-buckling behavior of graphite/epoxy laminated composites by differential evolution and simulated annealing method. Research on Engineering Structures and Materials, 2019, , .	0.4	1
21	Optimal design of the type III hydrogen storage tank for different carbon/epoxy materials by modified differential evolution method. Research on Engineering Structures and Materials, 2019, , .	0.4	1
22	Analysis of Backward and Forward Effects on a Grooved Co-axial Heat Exchanger by Response Surface Methodology. E3S Web of Conferences, 2019, 111, 01092.	0.5	0
23	Stochastic Optimization of TiO2-Graphene Nanocomposite by Using Neuro-Regression Approach for Maximum Photocatalytic Degradation Rate. , 0, , .		0
24	Maximization of Buckling Resistance for Lightweight Vegetable Based Hybrid Laminated Composites Combined with Synthetic Fibers. Composites Science and Technology, 2021, , 81-105.	0.6	0
25	Geliştirilmi� Benzetilmi� Tavlama Algoritmas� Kullan�larak Minimum Fiyat, Minimum A��rl�k ve Maksimum Do��al Frekans A��s��ndan Hibrit Grafit-Keten/Epoksi Tabakal� Kompozitlerin Optimum Tasar�m�. Deu Muhendislik Fakultesi Fen Ve Muhendislik, 2019, 21, 833-844.	0.2	0