

Levent Aydin

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

230
citations

1162367

8
h-index

1058022

14
g-index

26
all docs

26
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. <i>Engineering Structures</i> , 2018, 174, 675-687.	2.6	33
2	A comprehensive study on slicing processes optimization of silicon ingot for photovoltaic applications. <i>Solar Energy</i> , 2018, 161, 109-124.	2.9	29
3	Buckling optimization of composite laminates using a hybrid algorithm under Puck failure criterion constraint. <i>Journal of Reinforced Plastics and Composites</i> , 2016, 35, 1233-1247.	1.6	28
4	Optimization of lapping processes of silicon wafer for photovoltaic applications. <i>Solar Energy</i> , 2018, 164, 1-11.	2.9	26
5	Filtration and removal performances of membrane adsorbers. <i>Journal of Hazardous Materials</i> , 2017, 332, 33-41.	6.5	25
6	Comparison of stochastic search optimization algorithms for the laminated composites under mechanical and hygrothermal loadings. <i>Journal of Reinforced Plastics and Composites</i> , 2011, 30, 1197-1212.	1.6	17
7	A Novel Approach for the Optimal Design of a Biosensor. <i>Analytical Letters</i> , 2020, 53, 1428-1445.	1.0	16
8	Design of dimensionally stable composites using efficient global optimization method. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2019, 233, 156-168.	0.7	11
9	A new design strategy with stochastic optimization on the preparation of magnetite cross-linked tyrosinase aggregates (MCLTA). <i>Process Biochemistry</i> , 2020, 99, 131-138.	1.8	10
10	A new hybrid approach in selection of optimum establishment location of the biogas energy production plant. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 5771-5786.	2.9	9
11	A Robot Arm Design Optimization Method by Using a Kinematic Redundancy Resolution Technique. <i>Robotics</i> , 2022, 11, 1.	2.1	6
12	Stochastic optimization and modeling of high-velocity impact tests on high-temperature carbon-carbon composites. <i>SN Applied Sciences</i> , 2021, 3, 1.	1.5	3
13	<i>Mathematica and Optimization.</i> , 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. <i>Mechanics of Advanced Materials and Structures</i> , 2023, 30, 2637-2650.	1.5	3
15	<i>Stochastic Optimization of PID Parameters for Twin Rotor System with Multiple Nonlinear Regression.</i> , 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. <i>Journal of Pressure Vessel Technology, Transactions of the ASME</i> , 2021, 143, .	0.4	2
18	Simultaneous analysis and optimum design of synthetic and vegetable fiber-reinforced composites for buckling - failure phenomena. <i>Mechanics of Advanced Materials and Structures</i> , 2022, 29, 5501-5510.	1.5	2

#	ARTICLE	IF	CITATIONS
19	Single- and Multiobjective Optimizations of Dimensionally Stable Composites Using Genetic Algorithms. <i>Mechanics of Composite Materials</i> , 2021, 57, 321-336.	0.9	1
20	Optimum design of anti-buckling behavior of graphite/epoxy laminated composites by differential evolution and simulated annealing method. <i>Research on Engineering Structures and Materials</i> , 2019, , .	0.2	1
21	Optimal design of the type III hydrogen storage tank for different carbon/epoxy materials by modified differential evolution method. <i>Research on Engineering Structures and Materials</i> , 2019, , .	0.2	1
22	Analysis of Backward and Forward Effects on a Grooved Co-axial Heat Exchanger by Response Surface Methodology. <i>E3S Web of Conferences</i> , 2019, 111, 01092.	0.2	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. <i>Composites Science and Technology</i> , 2021, , 81-105.	0.4	0
25	Geliştirilmiş Benzetilmiş Tavlama Algoritması Kullanılarak Minimum Fiyat, Minimum Ağırlık ve Maksimum Doğal Frekanslarından Hibrit Grafit-Keten/Epoksi Tabakalı Kompozitlerin Optimum Tasarımı. <i>Deu Muhendislik Fakültesi Fen Ve Muhendislik</i> , 2019, 21, 833-844.	0.1	0