

Melih Papila

List of Publications by Year in descending order

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44
papers

889
citations

471509

17
h-index

501196

28
g-index

44
all docs

44
docs citations

44
times ranked

1082
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation of high surface area activated carbon from waste-biomass of sunflower piths: Kinetics and equilibrium studies on the dye removal. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 1702-1713.	6.7	116
2	Engineering Chemistry of Electrospun Nanofibers and Interfaces in Nanocomposites for Superior Mechanical Properties. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 1788-1793.	8.0	66
3	Microstructural features and electrical properties of copper oxide added potassium sodium niobate ceramics. <i>Ceramics International</i> , 2010, 36, 1921-1927.	4.8	60
4	Response Surface Approximations: Noise, Error Repair, and Modeling Errors. <i>AIAA Journal</i> , 2000, 38, 2336-2343.	2.6	53
5	MWCNTs/P(St-co- <i>i>co</i>-GMA) Composite Nanofibers of Engineered Interface Chemistry for Epoxy Matrix Nanocomposites. <i>ACS Applied Materials & Interfaces</i>, 2012, 4, 777-784.</i>	8.0	50
6	Structural composites hybridized with epoxy compatible polymer/MWCNT nanofibrous interlayers. <i>Composites Science and Technology</i> , 2012, 72, 1639-1645.	7.8	46
7	Piezoresistive Microphone Design Pareto Optimization: Tradeoff Between Sensitivity and Noise Floor. <i>Journal of Microelectromechanical Systems</i> , 2006, 15, 1632-1643.	2.5	41
8	Global and local nanofibrous interlayer toughened composites for higher in-plane strength. <i>Composites Part A: Applied Science and Manufacturing</i> , 2014, 58, 73-76.	7.6	39
9	Optimization of Synthetic Jet Actuators. , 2003, , .		31
10	Processing Conditions and Aging Effect on the Morphology of PZT Electrospun Nanofibers, and Dielectric Properties of the Resulting 3PZT/Polymer Composite. <i>Journal of the American Ceramic Society</i> , 2009, 92, 2566-2570.	3.8	31
11	Optimization of clamped circular piezoelectric composite actuators. <i>Sensors and Actuators A: Physical</i> , 2008, 147, 310-323.	4.1	30
12	Graphene-reinforced poly(vinyl alcohol) electrospun fibers as building blocks for high performance nanocomposites. <i>RSC Advances</i> , 2015, 5, 85009-85018.	3.6	30
13	Overmolded hybrid composites of polyamide-6 on continuous carbon and glass fiber/epoxy composites: An assessment of the interface™. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020, 131, 105771.	7.6	25
14	Dielectric behavior characterization of a fibrous ZnO/PVDF nanocomposite. <i>Polymer Composites</i> , 2010, 31, 1003-1010.	4.6	24
15	Conjugated dual-phase transitions in crystalline/crystalline blend of poly(vinylidene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 182	3.3	24
16	Effects of hot melt adhesives on the interfacial properties of overmolded hybrid structures of polyamide-6 on continuous carbon fiber/epoxy composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020, 139, 106106.	7.6	20
17	High strain rate response of nanofiber interlayered structural composites. <i>Composite Structures</i> , 2017, 168, 47-55.	5.8	19
18	PVA/PANI/rGO ternary electrospun mats as metal-free anti-bacterial substrates. <i>RSC Advances</i> , 2016, 6, 92434-92442.	3.6	18

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19	Effect of miscibility state on crystallization behavior and polymorphism in crystalline/crystalline blends of poly(vinylidene fluoride)/poly(ethylene oxide). <i>Macromolecular Research</i> , 2016, 24, 698-709.	2.4	17
20	Morphological evaluation and phase behavior of PVDF/PEO blends in the presence of graphene nanoplatelets through rheological measurements. <i>Journal of Applied Polymer Science</i> , 2019, 136, 48017.	2.6	17
21	Polyvinylidene fluoride grafted poly(styrene sulfonic acid) as ionic polymer-metal composite actuator. <i>Sensors and Actuators A: Physical</i> , 2018, 279, 157-167.	4.1	15
22	Synergistic role of in-situ crosslinkable electrospun nanofiber/epoxy nanocomposite interlayers for superior laminated composites. <i>Composites Science and Technology</i> , 2017, 151, 310-316.	7.8	14
23	Detection and Repair of Poorly Converged Optimization Runs. <i>AIAA Journal</i> , 2001, 39, 2242-2249.	2.6	12
24	Catalytic synthesis of boron nitride nanotubes at low temperatures. <i>Nanoscale</i> , 2018, 10, 4658-4662.	5.6	11
25	Uncertainty and wing structural weight approximations. , 1999, , .		10
26	Uncertainty and response surface approximations. , 2001, , .		9
27	Modeling and optimization of a side-implanted piezoresistive shear stress sensor. , 2006, , .		9
28	Investigation of electrochemical actuation by polyaniline nanofibers. <i>Smart Materials and Structures</i> , 2017, 26, 095021.	3.5	8
29	Post-Buckling of Composite I-Sections. Part 2: Experimental Validation. <i>Journal of Composite Materials</i> , 2001, 35, 797-821.	2.4	6
30	Detection and correction of poorly converged optimizations by Iteratively Reweighted Least Squares. , 2000, , .		5
31	Post-Buckling of Composite I-Sections. Part 1: Theory. <i>Journal of Composite Materials</i> , 2001, 35, 774-796.	2.4	5
32	Poly(vinylidene fluoride)/zinc oxide smart composite material. , 2007, , .		5
33	Stabilized electrospinning of heat stimuli/<i>in situ</i> crosslinkable nanofibers and their self&€same nanocomposites. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	4
34	Response surfaces for optimal weight of cracked composite panels - Noise and accuracy. , 2000, , .		4
35	Pointwise Bias Error Bounds and Min-Max Design for Response Surface Approximations. <i>AIAA Journal</i> , 2005, 43, 1797-1807.	2.6	3
36	The effect of IPMC parameters in electromechanical coefficient based on equivalent beam theory. , 2008, , .		3

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37	Generalized pointwise bias error bounds for response surface approximations. International Journal for Numerical Methods in Engineering, 2006, 65, 2035-2059.	2.8	2
38	Design of and with thin-ply non-crimp fabric as building blocks for composites. Science and Engineering of Composite Materials, 2018, 25, 501-516.	1.4	2
39	Response approximations - Noise, error repair, modeling errors. AIAA Journal, 2000, 38, 2336-2343.	2.6	2
40	Pb(Zr,Ti)O ₃ Nanofibers Produced by Electrospinning Process. Materials Research Society Symposia Proceedings, 2008, 1129, 1.	0.1	1
41	Electrical properties of CuO added-KNN ceramics and Piezocomposites. , 2009, , .		1
42	Multiscale Reinforcing Interlayers of Self-same P(St-co-GMA) Nanofibers Loaded with MCF for Polymer Composites and Nanocomposites. , 2019, , .		1
43	Estimating Optimization Error Statistics via Optimization Runs from Multiple Starting Points. , 2002, , .		0
44	Electrospun Polymer/MWCNTs Nanofiber Reinforced Composites –Improvement of Interfacial Bonding by Surface Modified Nanofibers–. Materials Research Society Symposia Proceedings, 2009, 1224, 1.	0.1	0