

Khalid Lafdi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10552721/publications.pdf>

Version: 2024-02-01

71
papers

2,928
citations

346980

22
h-index

190340

53
g-index

72
all docs

72
docs citations

72
times ranked

3653
citing authors

#	ARTICLE	IF	CITATIONS
1	Electro-thermalâ€mechanical performance of a sensor based on PAN carbon fibers and real-time detection of change under thermal and mechanical stimuli. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 263, 114806.	1.7	3
2	In-situ Strain Monitoring Performance of Flexible Nylon/Ag Conductive Fiber in Composites Subjected to Cyclic Tensile Loading. <i>Lecture Notes in Civil Engineering</i> , 2021, , 716-726.	0.3	0
3	Effect of nanofiller morphology on the electrical conductivity of polymer nanocomposites. <i>Nano Express</i> , 2021, 2, 010019.	1.2	18
4	Fabrication and electromechanical performance of carbon nanotube based conductive membrane and its application in real-time multimode strain detection in composites. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 268, 115120.	1.7	4
5	Electrosynthesis of hierarchical Cu ₂ Oâ€Cu(OH) ₂ nanodendrites supported on carbon nanofibers/poly(para-phenylenediamine) nanocomposite as high-efficiency catalysts for methanol electrooxidation. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 19926-19938.	3.8	16
6	Development studies of silver nanocomposite based sensors for acid penetration. <i>Materials Today: Proceedings</i> , 2021, , .	0.9	0
7	Real-time strain monitoring and damage detection of composites in different directions of the applied load using a microscale flexible Nylon/Ag strain sensor. <i>Structural Health Monitoring</i> , 2020, 19, 885-901.	4.3	16
8	Novel wireless sensing design for composite durability study. <i>Composites Communications</i> , 2020, 22, 100511.	3.3	3
9	Multi-mode real-time strain monitoring in composites using low vacuum carbon fibers as a strain sensor under different loading conditions. <i>Smart Materials and Structures</i> , 2020, 29, 085035.	1.8	6
10	In-Situ Monitoring, Identification and Quantification of Strain Deformation in Composites Under Cyclic Flexural Loading Using Nylon/Ag Fiber Sensor. <i>IEEE Sensors Journal</i> , 2020, 20, 5492-5500.	2.4	6
11	Durability sensor using low concentration carbon nano additives. <i>Composites Science and Technology</i> , 2020, 195, 108200.	3.8	8
12	Synthesis of carbon nanofibers/poly(para-phenylenediamine)/nickel particles nanocomposite for enhanced methanol electrooxidation. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 24534-24545.	3.8	30
13	Effect of Porosity and Crystallinity on 3D Printed PLA Properties. <i>Polymers</i> , 2019, 11, 1487.	2.0	125
14	Real-time strain monitoring performance of flexible Nylon/Ag conductive fiber. <i>Sensors and Actuators A: Physical</i> , 2019, 295, 612-622.	2.0	17
15	Carbon-Based Aeronautical Epoxy Nanocomposites: Effectiveness of Atomic Force Microscopy (AFM) in Investigating the Dispersion of Different Carbonaceous Nanoparticles. <i>Polymers</i> , 2019, 11, 832.	2.0	16
16	Self-Assembly and Surface Tension Induced Fractal Conductive Network in Ternary Polymer System. <i>ACS Applied Polymer Materials</i> , 2019, 1, 493-499.	2.0	6
17	Hybrid Carbon Nano-Fibers with Improved Oxidation Resistance. <i>Ceramics</i> , 2019, 2, 25-33.	1.0	2
18	Nanotechnology and Development of Strain Sensor for Damage Detection. , 2019, , .		7

#	ARTICLE	IF	CITATIONS
19	The role of carbon and SiC crystallinities in the oxidation and mechanical property improvement of hybrid nano-fibers. <i>Ceramics International</i> , 2019, 45, 7286-7294.	2.3	9
20	CNT and polyaniline based sensors for the detection of acid penetration in polymer composite. <i>Composites Science and Technology</i> , 2018, 159, 111-118.	3.8	41
21	Electrical conductivity of carbon nanofiber reinforced resins: Potentiality of Tunneling Atomic Force Microscopy (TUNA) technique. <i>Composites Part B: Engineering</i> , 2018, 143, 148-160.	5.9	47
22	Multifunctional graphene/POSS epoxy resin tailored for aircraft lightning strike protection. <i>Composites Part B: Engineering</i> , 2018, 140, 44-56.	5.9	98
23	Fabrication of ceramic nanofibers using polydimethylsiloxane and polyacrylonitrile polymer blends. <i>Journal of Applied Polymer Science</i> , 2018, 135, 45967.	1.3	12
24	Nanocomposites conductivity point measurement using Tunneling AFM (TUNA). <i>MATEC Web of Conferences</i> , 2018, 233, 00022.	0.1	0
25	Electrical characterization of aeronautical nanocomposites supported by Tunneling AFM (TUNA). <i>MATEC Web of Conferences</i> , 2018, 233, 00023.	0.1	0
26	Experimental and Numerical Investigation of the Silicon Particle Distribution in Electrospun Nanofibers. <i>Langmuir</i> , 2018, 34, 7147-7152.	1.6	10
27	Anisotropic thermal conductivity study of nano-additives/epoxy based nanocomposites. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	1
28	Influence of carbon nanoparticles/epoxy matrix interaction on mechanical, electrical and transport properties of structural advanced materials. <i>Nanotechnology</i> , 2017, 28, 094001.	1.3	72
29	Experimental evaluation and modeling of thermal conductivity of tetrafunctional epoxy resin containing different carbon nanostructures. <i>Polymer Engineering and Science</i> , 2017, 57, 779-786.	1.5	25
30	Fabrication and characterization of carbon nanofibers from polyacrylonitrile/pitch blends. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45388.	1.3	23
31	Thermal investigation of tetrafunctional epoxy resin filled with different carbonaceous nanostructures. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	0
32	Rheological and morphological properties of graphene-epoxy nanocomposites. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	3
33	Intelligent design of conducting network in polymers using numerical and experimental approaches. <i>RSC Advances</i> , 2016, 6, 95010-95020.	1.7	12
34	Development of a hydroxyapatite-poly(d,l-lactide-co-glycolide) infiltrated carbon foam for orthopedic applications. <i>Carbon</i> , 2016, 98, 106-114.	5.4	17
35	Viscoelastic properties of graphene-based epoxy resins. <i>AIP Conference Proceedings</i> , 2015, , .	0.3	4
36	Relationships between nanofiller morphology and viscoelastic properties in CNF/epoxy resins. <i>Polymer Composites</i> , 2015, 36, 1152-1160.	2.3	44

#	ARTICLE	IF	CITATIONS
37	Fluorescent composite scaffolds made of nanodiamonds/polycaprolactone. Chemical Physics Letters, 2015, 641, 123-128.	1.2	14
38	The Future of Carbon-Based Scaffolds in Foot and Ankle Surgery. Clinics in Podiatric Medicine and Surgery, 2015, 32, 73-91.	0.2	3
39	Influence of nanofiller morphology on the viscoelastic properties of CNF/epoxy resins. AIP Conference Proceedings, 2014, , .	0.3	15
40	Fracture toughness of fiber metal laminates: Carbon nanotube modified Tiâ€“polymerâ€“matrix composite interface. Journal of Composite Materials, 2014, 48, 2697-2710.	1.2	17
41	Augmented cooling vest system subassembly: Design and analysis. Energy Conversion and Management, 2014, 79, 140-145.	4.4	9
42	The role of carbon nanofiber defects on the electrical and mechanical properties of CNF-based resins. Nanotechnology, 2013, 24, 305704.	1.3	97
43	Influence of Nanomaterials in Polymer Composites on Thermal Conductivity. Journal of Heat Transfer, 2012, 134, .	1.2	14
44	Hybrid Carbon-Based Scaffolds for Applications in Soft Tissue Reconstruction. Tissue Engineering - Part A, 2012, 18, 946-956.	1.6	9
45	A carbon nanotube-based composite for the thermal control of heat loads. Carbon, 2012, 50, 542-550.	5.4	12
46	Use of carbon nanostructures in transient spike power applications. International Journal of Thermal Sciences, 2012, 53, 1-7.	2.6	3
47	Carbon nanofiber based buckypaper used as a thermal interface material. Carbon, 2011, 49, 3820-3828.	5.4	21
48	C/C composite, carbon nanotube and paraffin wax hybrid systems for the thermal control of pulsed power in electronics. Carbon, 2010, 48, 813-824.	5.4	54
49	Thermal properties of copper-coated carbon foams. Carbon, 2009, 47, 2620-2626.	5.4	31
50	Nanomaterials Formulation and Toxicity Impact. , 2009, , 291-359.		0
51	Processing, Properties, and Flow Behavior of CarbonNanofiberâ€“Based Polymeric Nanocomposites. , 2009, , 23-55.		0
52	Carbon nanoadditives to enhance latent energy storage of phase change materials. Journal of Applied Physics, 2008, 103, .	1.1	198
53	A Novel Approach to Control Growth, Orientation, and Shape of Human Osteoblasts. Tissue Engineering - Part A, 2008, 14, 255-265.	1.6	19
54	Effect of Carbon Nanofiber Heat Treatment on Physical Properties of Polymeric Nanocompositesâ€“Part I. Journal of Nanomaterials, 2007, 2007, 1-6.	1.5	18

#	ARTICLE	IF	CITATIONS
55	Use of exfoliated graphite filler to enhance polymer physical properties. Carbon, 2007, 45, 1727-1734.	5.4	323
56	Effect of particle dimension on biocompatibility of carbon nanomaterials. Carbon, 2007, 45, 2828-2835.	5.4	103
57	The effect of a CNT interface on the thermal resistance of contacting surfaces. Carbon, 2007, 45, 695-703.	5.4	73
58	Engineering Solution in Monitoring Nanoparticle-Fluid Flow During Nanocomposites Processing. Journal of Nanoparticle Research, 2007, 9, 441-454.	0.8	9
59	Carbon foam matrices saturated with PCM for thermal protection purposes. Carbon, 2006, 44, 2080-2088.	5.4	161
60	Carbon nanoparticle-filled polymer flow in the fabrication of novel fiber composites. Carbon, 2006, 44, 1682-1689.	5.4	5
61	Carbon nanofluids flow behavior in novel composites. Microfluidics and Nanofluidics, 2006, 2, 425-433.	1.0	1
62	Hierarchical morphology of carbon single-walled nanotubes during sonication in an aliphatic diamine. Polymer, 2005, 46, 10854-10865.	1.8	67
63	Bubble growth mechanism in carbon foams. Carbon, 2005, 43, 1055-1064.	5.4	45
64	Effect of carbon nanofiber additives on thermal behavior of phase change materials. Carbon, 2005, 43, 3067-3074.	5.4	374
65	Study of the growth and motion of graphitic foam bubbles. Carbon, 2005, 43, 3075-3087.	5.4	23
66	Numerical study for enhancing the thermal conductivity of phase change material (PCM) storage using high thermal conductivity porous matrix. Energy Conversion and Management, 2005, 46, 847-867.	4.4	343
67	Purification process for single-wall carbon nanotubes. Carbon, 2003, 41, 1477-1488.	5.4	139
68	Carbon Fibers. , 1998, , 169-201.		5
69	An attempt to characterize and elaborate anisotropic pitches and derived carbon fibers. Part I: Preparation by bubbling. Carbon, 1994, 32, 11-21.	5.4	4
70	An attempt to characterize and elaborate anisotropic pitches and derived carbon fibers. Part II: Preparation by separation. Carbon, 1994, 32, 61-70.	5.4	7
71	Performance evaluation of coated carbon foam material in heat exchanger applications. International Journal of Energy Research, 0, , .	2.2	1