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ext. citations

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6.07
L-index

#	Paper	IF	Citations
62	Dispersion and functionalization of carbon nanotubes for polymer-based nanocomposites: A review. <i>Composites Part A: Applied Science and Manufacturing</i> , 2010 , 41, 1345-1367	8.4	2320
61	Correlations between Percolation Threshold, Dispersion State, and Aspect Ratio of Carbon Nanotubes. <i>Advanced Functional Materials</i> , 2007 , 17, 3207-3215	15.6	791
60	Effects of silane functionalization on the properties of carbon nanotube/epoxy nanocomposites. <i>Composites Science and Technology</i> , 2007 , 67, 2965-2972	8.6	481
59	Functionalization of carbon nanotubes using a silane coupling agent. <i>Carbon</i> , 2006 , 44, 3232-3238	10.4	456
58	Dispersion, interfacial interaction and re-agglomeration of functionalized carbon nanotubes in epoxy composites. <i>Carbon</i> , 2010 , 48, 1824-1834	10.4	430
57	Carbon nanotube (CNT)-based composites as electrode material for rechargeable Li-ion batteries: A review. <i>Composites Science and Technology</i> , 2012 , 72, 121-144	8.6	361
56	Effect of CNT decoration with silver nanoparticles on electrical conductivity of CNT-polymer composites. <i>Carbon</i> , 2008 , 46, 1497-1505	10.4	355
55	Enhanced electrical conductivity of nanocomposites containing hybrid fillers of carbon nanotubes and carbon black. <i>ACS Applied Materials & Interfaces</i> , 2009 , 1, 1090-6	9.5	298
54	Development of carbon nanotubes/CoFe ₂ O ₄ magnetic hybrid material for removal of tetrabromobisphenol A and Pb(II). <i>Journal of Hazardous Materials</i> , 2014 , 265, 104-14	12.8	170
53	Microscopically porous, interconnected single crystal LiNi _{1/3} Co _{1/3} Mn _{1/3} O ₂ cathode material for Lithium ion batteries. <i>Journal of Materials Chemistry</i> , 2011 , 21, 10777		158
52	Preparation of carbon nanotubes/graphene hybrid aerogel and its application for the adsorption of organic compounds. <i>Carbon</i> , 2017 , 118, 765-771	10.4	115
51	Magnetic graphene foam for efficient adsorption of oil and organic solvents. <i>Journal of Colloid and Interface Science</i> , 2014 , 430, 337-44	9.3	112
50	Sol-gel synthesis of multiwalled carbon nanotube-LiMn ₂ O ₄ nanocomposites as cathode materials for Li-ion batteries. <i>Journal of Power Sources</i> , 2010 , 195, 4290-4296	8.9	98
49	Manufacturing and characterization of carbon fibre/epoxy composite prepregs containing carbon nanotubes. <i>Composites Part A: Applied Science and Manufacturing</i> , 2011 , 42, 1412-1420	8.4	80
48	Low cost carbon fiber aerogel derived from bamboo for the adsorption of oils and organic solvents with excellent performances. <i>RSC Advances</i> , 2015 , 5, 38470-38478	3.7	72
47	Perspectives of carbon nanotubes/polymer nanocomposites for wind blade materials. <i>Renewable and Sustainable Energy Reviews</i> , 2014 , 30, 651-660	16.2	66
46	Cleaning and Functionalization of Polymer Surfaces and Nanoscale Carbon Fillers by UV/Ozone Treatment: A Review. <i>Journal of Composite Materials</i> , 2009 , 43, 1537-1564	2.7	64

45	Comparative study on monitoring structural damage in fiber-reinforced polymers using glass fibers with carbon nanotubes and graphene coating. <i>Composites Science and Technology</i> , 2016 , 129, 38-45	8.6	61
44	Surface roughness induced superhydrophobicity of graphene foam for oil-water separation. <i>Journal of Colloid and Interface Science</i> , 2017 , 508, 254-262	9.3	54
43	Behavior of load transfer in functionalized carbon nanotube/epoxy nanocomposites. <i>Polymer</i> , 2012 , 53, 6081-6088	3.9	53
42	In-situ amino functionalization of carbon nanotubes using ball milling. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 749-53	1.3	53
41	Development of multi-functional cotton fabrics with Ag/AgBr/TiO ₂ nanocomposite coating. <i>Composites Science and Technology</i> , 2016 , 122, 104-112	8.6	49
40	Stretchable and compressible strain sensor based on carbon nanotube foam/polymer nanocomposites with three-dimensional networks. <i>Composites Science and Technology</i> , 2018 , 163, 162-170	8.6	49
39	Ternary silicone sponge with enhanced mechanical properties for oil-water separation. <i>Polymer Chemistry</i> , 2015 , 6, 5869-5875	4.9	46
38	Biomimetic Superoleophobicity of Cotton Fabrics for Efficient Oil-Water Separation. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1600128	4.6	44
37	Conversion of semiconducting behavior of carbon nanotubes using ball milling. <i>Chemical Physics Letters</i> , 2008 , 458, 166-169	2.5	42
36	Correlation between electrokinetic potential, dispersibility, surface chemistry and energy of carbon nanotubes. <i>Composites Science and Technology</i> , 2011 , 71, 1644-1651	8.6	41
35	Graphene foam with hierarchical structures for the removal of organic pollutants from water. <i>RSC Advances</i> , 2016 , 6, 4889-4898	3.7	37
34	Development of functional glass fibres with nanocomposite coating: A comparative study. <i>Composites Part A: Applied Science and Manufacturing</i> , 2013 , 44, 16-22	8.4	35
33	Structure control of ultra-large graphene oxide sheets by the Langmuir-Blodgett method. <i>RSC Advances</i> , 2013 , 3, 4680	3.7	31
32	Preparation of fiber-based plasmonic photocatalyst and its photocatalytic performance under the visible light. <i>Applied Catalysis B: Environmental</i> , 2015 , 166-167, 287-294	21.8	29
31	LiNi _{1/3} Co _{1/3} Mn _{1/3} O ₂ with a novel one-dimensional porous structure: A high-power cathode material for rechargeable Li-ion batteries. <i>Scripta Materialia</i> , 2011 , 64, 122-125	5.6	27
30	Carbon Nanotubes for Polymer Reinforcement		27
29	Preparation of cellulose-coated cotton fabric and its application for the separation of emulsified oil in water. <i>Carbohydrate Polymers</i> , 2020 , 240, 116318	10.3	26
28	Three-dimensional titanium dioxide/graphene hybrids with improved performance for photocatalysis and energy storage. <i>Journal of Colloid and Interface Science</i> , 2018 , 512, 647-656	9.3	26

27	Strain-sensitive Raman spectroscopy and electrical resistance of carbon nanotube-coated glass fibre sensors. <i>Composites Science and Technology</i> , 2012 , 72, 1548-1555	8.6	25
26	Factors governing the tensile strength of basalt fibre. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019 , 119, 127-133	8.4	21
25	Effect of doubly organo-modified vermiculite on the properties of vermiculite/polystyrene nanocomposites. <i>Applied Clay Science</i> , 2013 , 75-76, 74-81	5.2	21
24	Modification of basalt fibre using pyrolytic carbon coating for sensing applications. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017 , 101, 123-128	8.4	17
23	Controlled synthesis of hierarchical TiO ₂ nanoparticles on glass fibres and their photocatalytic performance. <i>Dalton Transactions</i> , 2014 , 43, 12743-53	4.3	17
22	Hydrogel-coated basalt fibre with superhydrophilic and underwater superoleophobic performance for oil-water separation. <i>Composites Communications</i> , 2019 , 14, 1-6	6.7	16
21	Acid and temperature dual-responsive cotton fabrics with polymer coating. <i>Composites Communications</i> , 2017 , 4, 10-15	6.7	15
20	CVD-Grown CNTs on Basalt Fiber Surfaces for Multifunctional Composite Interphases. <i>Fibers</i> , 2016 , 4, 28	3.7	8
19	Bi-functional composite foam with hierarchical structure for efficient separation of emulsified mixtures consisting of oil and water. <i>Applied Surface Science</i> , 2019 , 483, 1149-1157	6.7	7
18	Anisotropic conductive networks for multidimensional sensing. <i>Materials Horizons</i> , 2021 , 8, 2615-2653	14.4	7
17	What happens to glass fiber under extreme chemical conditions?. <i>Journal of Non-Crystalline Solids</i> , 2020 , 548, 120331	3.9	5
16	Composites with AIEgens for Temperature Sensing and Strain Measurement. <i>Macromolecular Chemistry and Physics</i> , 2020 , 221, 1900552	2.6	4
15	Carbon Nanotubes for Defect Monitoring in Fiber-Reinforced Polymer Composites 2017 , 71-99		4
14	Hydrothermal synthesis of layered sodium manganese oxide nanowires and their electrochemical performance. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 7378-81	1.3	4
13	Bio-based oil gelling agent for effective removal of oil spills from the surface of water. <i>Materials Chemistry Frontiers</i> , 2018 , 2, 1784-1790	7.8	4
12	Coating Carbon Nanotubes with Silver Nanoparticles to Get Conductive Nanocomposites 2006 ,		3
11	Correlation of Phase Composition, Structure, and Mechanical Properties of Natural Basalt Continuous Fibers. <i>Natural Resources Research</i> , 2021 , 30, 1105-1119	4.9	3
10	Supramolecular assembly of leaf-like fluorescent tetraphenylethylene through polymer-directed inter-locking. <i>Composites Communications</i> , 2019 , 11, 45-51	6.7	2

9	In-situ characterization on the fracture behavior of three dimensional polymer nanocomposites reinforced by CNT sponge. <i>Composites Science and Technology</i> , 2022 , 217, 109132	8.6	1
8	Wheat bran/polymer composites as a solidifier to gel oil on water surface. <i>Composites Communications</i> , 2020 , 22, 100471	6.7	0
7	Facile preparation of a polysilsesquioxane sheet with a three-dimensional structure. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 7176-7183	7.8	0
6	Removal of phosphorus from aqueous solution using multi-wall carbon nanotube (MWCNT) as adsorbent: Kinetics and isotherms. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 1-7	1.8	0
5	Direct visualization of interfacial debonding in FRP structure using an AIE molecule. <i>Composites Communications</i> , 2021 , 27, 100816	6.7	0
4	Production of Fibres from Lunar Soil: Feasibility, Applicability and Future Perspectives. <i>Advanced Fiber Materials</i> ,	10.9	0
3	Glass Fibers with Multi-Functional Capabilities for Engineering and Environmental Applications. <i>Advanced Materials Research</i> , 2014 , 1024, 155-158	0.5	
2	Aggregation-induced demulsification triggered by the hydrophilic fabric for the separation of highly emulsified oil droplets from water. <i>Aggregate</i> , e131	22.9	
1	Formation and Functionality of Interphase in Polymer Nanocomposites 2016 , 103-138		