

## List of Publications by Year in descending order

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62  
papers

8,848  
citations

126858

33  
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58  
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64  
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64  
docs citations

64  
times ranked

11081  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	3.8	2,787
2	Correlations between Percolation Threshold, Dispersion State, and Aspect Ratio of Carbon Nanotubes. <i>Advanced Functional Materials</i> , 2007, 17, 3207-3215.	7.8	913
3	Effects of silane functionalization on the properties of carbon nanotube/epoxy nanocomposites. <i>Composites Science and Technology</i> , 2007, 67, 2965-2972.	3.8	543
4	Functionalization of carbon nanotubes using a silane coupling agent. <i>Carbon</i> , 2006, 44, 3232-3238.	5.4	524
5	Dispersion, interfacial interaction and re-agglomeration of functionalized carbon nanotubes in epoxy composites. <i>Carbon</i> , 2010, 48, 1824-1834.	5.4	493
6	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.	3.8	432
7	Effect of CNT decoration with silver nanoparticles on electrical conductivity of CNT-polymer composites. <i>Carbon</i> , 2008, 46, 1497-1505.	5.4	399
8	Enhanced Electrical Conductivity of Nanocomposites Containing Hybrid Fillers of Carbon Nanotubes and Carbon Black. <i>ACS Applied Materials &amp; Interfaces</i> , 2009, 1, 1090-1096.	4.0	355
9	Development of carbon nanotubes/CoFe <sub>2</sub> O <sub>4</sub> magnetic hybrid material for removal of tetrabromobisphenol A and Pb(II). <i>Journal of Hazardous Materials</i> , 2014, 265, 104-114.	6.5	202
10	Microscopically porous, interconnected single crystal LiNi <sub>1/3</sub> Co <sub>1/3</sub> Mn <sub>1/3</sub> O <sub>2</sub> cathode material for Lithium ion batteries. <i>Journal of Materials Chemistry</i> , 2011, 21, 10777.	6.7	190
11	Preparation of carbon nanotubes/graphene hybrid aerogel and its application for the adsorption of organic compounds. <i>Carbon</i> , 2017, 118, 765-771.	5.4	157
12	Magnetic graphene foam for efficient adsorption of oil and organic solvents. <i>Journal of Colloid and Interface Science</i> , 2014, 430, 337-344.	5.0	133
13	Sol-gel synthesis of multiwalled carbon nanotube-LiMn <sub>2</sub> O <sub>4</sub> nanocomposites as cathode materials for Li-ion batteries. <i>Journal of Power Sources</i> , 2010, 195, 4290-4296.	4.0	108
14	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.	3.8	92
15	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.	1.7	91
16	Perspectives of carbon nanotubes/polymer nanocomposites for wind blade materials. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 30, 651-660.	8.2	87
17	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.	1.2	80
18	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.	3.8	78

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19	Surface roughness induced superhydrophobicity of graphene foam for oil-water separation. <i>Journal of Colloid and Interface Science</i> , 2017, 508, 254-262.	5.0	71
20	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.	3.8	65
21	Development of multi-functional cotton fabrics with Ag/AgBr-TiO <sub>2</sub> nanocomposite coating. <i>Composites Science and Technology</i> , 2016, 122, 104-112.	3.8	63
22	Ternary silicone sponge with enhanced mechanical properties for oil-water separation. <i>Polymer Chemistry</i> , 2015, 6, 5869-5875.	1.9	62
23	Behavior of load transfer in functionalized carbon nanotube/epoxy nanocomposites. <i>Polymer</i> , 2012, 53, 6081-6088.	1.8	60
24	Biomimetic Superoleophobicity of Cotton Fabrics for Efficient Oil-water Separation. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600128.	1.9	60
25	In-Situ Amino Functionalization of Carbon Nanotubes Using Ball Milling. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 749-753.	0.9	58
26	Preparation of cellulose-coated cotton fabric and its application for the separation of emulsified oil in water. <i>Carbohydrate Polymers</i> , 2020, 240, 116318.	5.1	52
27	Factors governing the tensile strength of basalt fibre. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019, 119, 127-133.	3.8	49
28	Conversion of semiconducting behavior of carbon nanotubes using ball milling. <i>Chemical Physics Letters</i> , 2008, 458, 166-169.	1.2	45
29	Correlation between electrokinetic potential, dispersibility, surface chemistry and energy of carbon nanotubes. <i>Composites Science and Technology</i> , 2011, 71, 1644-1651.	3.8	45
30	Graphene foam with hierarchical structures for the removal of organic pollutants from water. <i>RSC Advances</i> , 2016, 6, 4889-4898.	1.7	39
31	Development of functional glass fibres with nanocomposite coating: A comparative study. <i>Composites Part A: Applied Science and Manufacturing</i> , 2013, 44, 16-22.	3.8	38
32	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.	5.0	37
33	Structure control of ultra-large graphene oxide sheets by the Langmuir-Blodgett method. <i>RSC Advances</i> , 2013, 3, 4680.	1.7	36
34	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.	10.8	33
35	Modification of basalt fibre using pyrolytic carbon coating for sensing applications. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017, 101, 123-128.	3.8	32
36	Anisotropic conductive networks for multidimensional sensing. <i>Materials Horizons</i> , 2021, 8, 2615-2653.	6.4	30

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37	LiNi <sub>1/3</sub> Co <sub>1/3</sub> Mn <sub>1/3</sub> O <sub>2</sub> 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.	2.6	29
38	Strain-sensitive Raman spectroscopy and electrical resistance of carbon nanotube-coated glass fibre sensors. <i>Composites Science and Technology</i> , 2012, 72, 1548-1555.	3.8	27
39	Hydrogel-coated basalt fibre with superhydrophilic and underwater superoleophobic performance for oil-water separation. <i>Composites Communications</i> , 2019, 14, 1-6.	3.3	22
40	Effect of doubly organo-modified vermiculite on the properties of vermiculite/polystyrene nanocomposites. <i>Applied Clay Science</i> , 2013, 75-76, 74-81.	2.6	21
41	Acid and temperature dual-responsive cotton fabrics with polymer coating. <i>Composites Communications</i> , 2017, 4, 10-15.	3.3	20
42	Controlled synthesis of hierarchical TiO <sub>2</sub> nanoparticles on glass fibres and their photocatalytic performance. <i>Dalton Transactions</i> , 2014, 43, 12743-12753.	1.6	18
43	CVD-Grown CNTs on Basalt Fiber Surfaces for Multifunctional Composite Interphases. <i>Fibers</i> , 2016, 4, 28.	1.8	15
44	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.	3.1	12
45	Composites with AIEgens for Temperature Sensing and Strain Measurement. <i>Macromolecular Chemistry and Physics</i> , 2020, 221, 1900552.	1.1	12
46	Production of Fibres from Lunar Soil: Feasibility, Applicability and Future Perspectives. <i>Advanced Fiber Materials</i> , 2022, 4, 923-937.	7.9	12
47	Correlation of Phase Composition, Structure, and Mechanical Properties of Natural Basalt Continuous Fibers. <i>Natural Resources Research</i> , 2021, 30, 1105-1119.	2.2	11
48	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.	3.2	10
49	What happens to glass fiber under extreme chemical conditions?. <i>Journal of Non-Crystalline Solids</i> , 2020, 548, 120331.	1.5	7
50	Direct visualization of interfacial debonding in FRP structure using an AIE molecule. <i>Composites Communications</i> , 2021, 27, 100816.	3.3	7
51	Aggregation-induced demulsification triggered by the hydrophilic fabric for the separation of highly emulsified oil droplets from water. <i>Aggregate</i> , 2022, 3, e131.	5.2	7
52	Development of CNTs-carbonized cotton fiber/PANI 3D-nanocomposites for flexible energy storage and electromagnetic shielding applications. <i>Electrochimica Acta</i> , 2022, 427, 140847.	2.6	7
53	Supramolecular assembly of leaf-like fluorescent tetraphenylethylene through polymer-directed inter-locking. <i>Composites Communications</i> , 2019, 11, 45-51.	3.3	6
54	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.	3.8	5

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55	Coating Carbon Nanotubes with Silver Nanoparticles to Get Conductive Nanocomposites. , 2006, , .		4
56	Hydrothermal Synthesis of Layered Sodium Manganese Oxide Nanowires and Their Electrochemical Performance. Journal of Nanoscience and Nanotechnology, 2010, 10, 7378-7381.	0.9	4
57	Carbon Nanotubes for Defect Monitoring in Fiber-Reinforced Polymer Composites. , 2017, , 71-99.		4
58	Facile preparation of a polysilsesquioxane sheet with a three-dimensional structure. Materials Chemistry Frontiers, 2021, 5, 7176-7183.	3.2	4
59	Wheat bran/polymer composites as a solidifier to gel oil on water surface. Composites Communications, 2020, 22, 100471.	3.3	3
60	Fluorescence and stimuli-responsive performance of polymer composites filled with tetraphenylethene derivatives. Polymer Chemistry, 2022, 13, 3126-3135.	1.9	2
61	Removal of phosphorus from aqueous solution using multi-wall carbon nanotube (MWCNT) as adsorbent: Kinetics and isotherms. Fullerenes Nanotubes and Carbon Nanostructures, 0, , 1-7.	1.0	1
62	Glass Fibers with Multi-Functional Capabilities for Engineering and Environmental Applications. Advanced Materials Research, 0, 1024, 155-158.	0.3	0