

Xusheng Du

List of Publications by Year in descending order

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41
papers

1,693
citations

279798

23
h-index

276875

41
g-index

41
all docs

41
docs citations

41
times ranked

2394
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabricating advanced asymmetric supercapacitors by flame growing carbon nanofibers on surface engineered stainless steel electrode and modulating the redox active electrolyte. <i>Surface and Coatings Technology</i> , 2022, 431, 128032.	4.8	2
2	Ultrafast flame coating of carbon and chemical vapor deposition of graphene on NiTi alloy to enhance its corrosion resistance. <i>Diamond and Related Materials</i> , 2022, 128, 109231.	3.9	10
3	Glass fibres coated with flame synthesised carbon nanotubes to enhance interface properties. <i>Composites Communications</i> , 2021, 24, 100623.	6.3	10
4	Facile flame deposit of CNFs/Fe ₂ O ₃ coating on 304 stainless steel mesh and their high capacitive performance. <i>Electrochimica Acta</i> , 2020, 335, 135527.	5.2	14
5	Electrodeposited Polyaniline Nanofibers and MoO ₃ Nanobelts for High-Performance Asymmetric Supercapacitor with Redox Active Electrolyte. <i>Polymers</i> , 2020, 12, 2303.	4.5	17
6	Flame synthesis of carbon nanotubes on glass fibre fabrics and their enhancement in electrical and thermal properties of glass fibre/epoxy composites. <i>Composites Part B: Engineering</i> , 2020, 198, 108249.	12.0	22
7	Facile flame deposition of carbon coating onto Ni foam and the study of the derived carbon foam with high capacitive performance. <i>Surface and Coatings Technology</i> , 2020, 401, 126246.	4.8	10
8	Highly Sensitive Flexible Poly(dimethylsiloxane) Composite Sensors Based on Flame-Synthesized Carbon Foam Made of Vertical Carbon Nanosheet Arrays. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 14091-14100.	6.7	5
9	Carbon nano bowl array derived from a corn cob sponge/carbon nanotubes/polymer composite and its electrochemical properties. <i>Composites Science and Technology</i> , 2019, 183, 107792.	7.8	8
10	Graphene/Carbon Paper Combined with Redox Active Electrolyte for Supercapacitors with High Performance. <i>Polymers</i> , 2019, 11, 1355.	4.5	7
11	Redox-Active Gel Electrolyte Combined with Branched Polyaniline Nanofibers Doped with Ferrous Ions for Ultra-High-Performance Flexible Supercapacitors. <i>Polymers</i> , 2019, 11, 1357.	4.5	22
12	Hybrid three-dimensional graphene fillers and graphite platelets to improve the thermal conductivity and wear performance of epoxy composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019, 123, 270-277.	7.6	25
13	Numerical Simulation of Failure of Composite Coatings due to Thermal and Hygroscopic Stresses. <i>Coatings</i> , 2019, 9, 243.	2.6	16
14	Facile flame catalytic growth of carbon nanomaterials on the surface of carbon nanotubes. <i>Applied Surface Science</i> , 2019, 465, 23-30.	6.1	14
15	Improving the delamination resistance of carbon fiber/epoxy composites by brushing and abrading of the woven fabrics. <i>Construction and Building Materials</i> , 2018, 158, 257-263.	7.2	24
16	Facile fabrication of large 3D graphene filler modified epoxy composites with improved thermal conduction and tribological performance. <i>Carbon</i> , 2018, 139, 1168-1177.	10.3	71
17	An Analytical Model of Interlaminar Fracture of Polymer Composite Reinforced by Carbon Fibres Grafted with Carbon Nanotubes. <i>Polymers</i> , 2018, 10, 683.	4.5	9
18	Delamination toughening of carbon fiber/epoxy laminates by hierarchical carbon nanotube-short carbon fiber interleaves. <i>Composites Science and Technology</i> , 2017, 140, 46-53.	7.8	112

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19	Graphene/epoxy interleaves for delamination toughening and monitoring of crack damage in carbon fibre/epoxy composite laminates. <i>Composites Science and Technology</i> , 2017, 140, 123-133.	7.8	130
20	The Preparation of Ag Nanoparticle and Ink Used for Inkjet Printing of Paper Based Conductive Patterns. <i>Materials</i> , 2017, 10, 1004.	2.9	32
21	Improving the electrical conductivity and interface properties of carbon fiber/epoxy composites by low temperature flame growth of carbon nanotubes. <i>RSC Advances</i> , 2016, 6, 48896-48904.	3.6	37
22	In-situ pull-off of ZnO nanowire from carbon fiber and improvement of interlaminar toughness of hierarchical ZnO nanowire/carbon fiber hybrid composite laminates. <i>Carbon</i> , 2016, 110, 69-78.	10.3	78
23	Ultrafast Synthesis of Multifunctional N-Doped Graphene Foam in an Ethanol Flame. <i>ACS Nano</i> , 2016, 10, 453-462.	14.6	119
24	Fracture resistance, thermal and electrical properties of epoxy composites containing aligned carbon nanotubes by low magnetic field. <i>Composites Science and Technology</i> , 2015, 114, 126-135.	7.8	108
25	Enhancement of the catalytic performance of a CNT supported Pt nanorod cluster catalyst by controlling their microstructure. <i>RSC Advances</i> , 2015, 5, 80176-80183.	3.6	3
26	3D network graphene interlayer for excellent interlaminar toughness and strength in fiber reinforced composites. <i>Carbon</i> , 2015, 95, 978-986.	10.3	76
27	Flame synthesis of carbon nanotubes onto carbon fiber woven fabric and improvement of interlaminar toughness of composite laminates. <i>Composites Science and Technology</i> , 2014, 101, 159-166.	7.8	51
28	Facile chemical synthesis of nitrogen-doped graphene sheets and their electrochemical capacitance. <i>Journal of Power Sources</i> , 2013, 241, 460-466.	7.8	67
29	Improved Tensile Strength and Ferroelectric Phase Content of Self-Assembled Polyvinylidene Fluoride Fiber Yarns. <i>Macromolecular Materials and Engineering</i> , 2012, 297, 209-213.	3.6	39
30	On the flame synthesis of carbon nanotubes grafted onto carbon fibers and the bonding force between them. <i>Carbon</i> , 2012, 50, 2347-2350.	10.3	67
31	Use of facile mechanochemical method to functionalize carbon nanofibers with nanostructured polyaniline and their electrochemical capacitance. <i>Nanoscale Research Letters</i> , 2012, 7, 111.	5.7	23
32	Hollow nitrogen-containing core/shell fibrous carbon nanomaterials as support to platinum nanocatalysts and their TEM tomography study. <i>Nanoscale Research Letters</i> , 2012, 7, 165.	5.7	26
33	Electro-synthesis of novel nanostructured PEDOT films and their application as catalyst support. <i>Nanoscale Research Letters</i> , 2011, 6, 364.	5.7	35
34	Fire response of polyamide 6 with layered and fibrillar nanofillers. <i>Polymer Degradation and Stability</i> , 2010, 95, 845-851.	5.8	24
35	Mechanical behavior of self-assembled carbon nanotube reinforced nylon 6,6 fibers. <i>Composites Science and Technology</i> , 2010, 70, 1401-1409.	7.8	115
36	Electrodeposited PEDOT films on ITO with a flower-like hierarchical structure. <i>Synthetic Metals</i> , 2010, 160, 1636-1641.	3.9	45

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37	Engineering of Nanotips in ZnO Submicrorods and Patterned Arrays. <i>Crystal Growth and Design</i> , 2009, 9, 797-802.	3.0	16
38	New Method To Prepare Graphite Nanocomposites. <i>Chemistry of Materials</i> , 2008, 20, 2066-2068.	6.7	125
39	Studies of interactions among cobalt(III) polypyridyl complexes, 6-mercaptopurine and DNA. <i>Bioelectrochemistry</i> , 2007, 70, 446-451.	4.6	24
40	Facile synthesis of exfoliated polyaniline/vermiculite nanocomposites. <i>Materials Letters</i> , 2006, 60, 1847-1850.	2.6	39
41	Synthesis of poly(arylene disulfide)â€™vermiculite nanocomposites viain situ ring-opening polymerization of macrocyclic oligomers. <i>Polymer International</i> , 2004, 53, 789-793.	3.1	16