Jie Fei

List of Publications by Year
in descending order

42 papers	694 citations	567281 15 h-index	580821 25 g-index
42 all docs	42 docs citations	42 times ranked	770 citing authors

#	Article	IF	Citations
1	A flexible Sb₂O₃/carbon cloth composite as a free-standing high performance anode for sodium ion batteries. Chemical Communications, 2017, 53, 13165-13167.	4.1	60
2	Ti-O-O coordination bond caused visible light photocatalytic property of layered titanium oxide. Scientific Reports, 2016, 6, 29049.	3.3	50
3	Effects of carbon fiber length on the tribological properties of paper-based friction materials. Tribology International, 2014, 72, 179-186.	5.9	45
4	Study on the friction and wear performance of carbon fabric/phenolic composites under oil lubricated conditions. Tribology International, 2012, 56, 30-37.	5.9	40
5	Carbon-Fiber Reinforced Paper-Based Friction Material: Study on Friction Stability as a Function of Operating Variables. Journal of Tribology, 2008, 130, .	1.9	38
6	Vertically aligned TiO2 nanorods-woven carbon fiber for reinforcement of both mechanical and anti-wear properties in resin composite. Applied Surface Science, 2018, 435, 156-162.	6.1	35
7	Synthesis and electrochemical performance of Î±-ZnMoO 4 nanoparticles as anode material for lithium ion batteries. Materials Letters, 2017, 198, 4-7.	2.6	31
8	Metalâ€“organic frameworks/polydopamine synergistic interface enhancement of carbon fiber/phenolic composites for promoting mechanical and tribological performances. Nanoscale, 2021, 13, 20234-20247.	5.6	29
9	Growth of aligned ZnO nanorods on carbon fabric and its composite for superior mechanical and tribological performance. Surface and Coatings Technology, 2018, 344, 433-440.	4.8	28
10	Grafting methyl acrylic onto carbon fiber via Diels-Alder reaction for excellent mechanical and tribological properties of phenolic composites. Applied Surface Science, 2018, 433, 349-357.	6.1	27
11	Optimizing fiber/matrix interface by growth MnO2 nanosheets for achieving desirable mechanical and tribological properties. Applied Surface Science, 2018, 452, 364-371.	6.1	26
12	Chemically grafting APS onto MnO2 nanosheets as a new interphase for improving interfacial properties in carbon fiber composites. Tribology International, 2019, 134, 145-153.	5.9	19
13	Optimization of mechanical and tribological properties of carbon fabric/resin composites via controlling ZnO nanorods morphology. Ceramics International, 2018, 44, 15393-15401.	4.8	18
14	In situ synthesis and photocatalytic performance of WO₃/ZnWO₄ composite powders. RSC Advances, 2016, 6, 23783-23789.	3.6	16
15	Sodium carboxyl methyl cellulose and polyacrylic acid binder with enhanced electrochemical properties for ZnMoO4Â·0.8H2O anode in lithium ion batteries. Journal of Electroanalytical Chemistry, 2017, 804, 158-164.	3.8	15
16	Graft PEI ultra-antiwear nanolayer onto carbon spheres as lubricant additives for tribological enhancement. Tribology International, 2021, 153, 106652.	5.9	15
17	Topotactic synthesis and photocatalytic performance of one-dimensional ZnNb₂O₆nanostructures and one-dimensional ZnNb₂O₆/KNbO₃hetero-nanostructures. RSC Advances, 2014, 4, 56637-56644.	3.6	14
18	Topotactic soft chemical synthesis and photocatalytic performance of one-dimensional AgNbO3 nanostructures. Materials Letters, 2014, 137, 110-112.	2.6	14

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19	Synergistic effect of talc/carbon spheres composite as oilâ€based additive enhancing the lubricating properties for steelâ€steel contact. Lubrication Science, 2020, 32, 80-89.	2.1	14
20	Constructing interfacial path for enhancing mechanical and thermal performances of carbon fiber/cyanate ester resin composite. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 617, 126311.	4.7	14
21	Effects of NBR Particle Size on Performance of Carbon Fiberâ€“Reinforced Paper-Based Friction Material. Tribology Transactions, 2015, 58, 1012-1020.	2.0	13
22	Effect of hydrothermal modified carbon fiber through Dielsâ€“Alder reaction and its reinforced phenolic composites. RSC Advances, 2015, 5, 64450-64455.	3.6	13
23	Effect of nano-SiO₂ particles on the carbon fabric/resin friction materials by microwave-hydrothermal treatment. Journal of Composite Materials, 2018, 52, 245-252.	2.4	13
24	Synthesis and Tribological Performance of Carbon Microspheres/Poly(methyl methacrylate) Coreâ€“Shell Particles as Highly Efficient Lubricant. Journal of Physical Chemistry C, 2019, 123, 29037-29046.	3.1	13
25	TiO2 nanowires/TiO2 film/ woven carbon fiber ternary hybrid: Significant mechanical and wear-resisting properties of phenolic composite. Tribology International, 2018, 127, 129-137.	5.9	11
26	High stability SEI film on the surface of Sb2O5/carbon cloth by coating SiO2 as high performance LIBs and SIBs anodes. Journal of Alloys and Compounds, 2022, 891, 162031.	5.5	10
27	Significant improvement of thermal and tribological performance with polyimide as the matrix of paperâ€based friction materials. Polymer Composites, 2022, 43, 2303-2317.	4.6	9
28	Facile fabrication of PEI/BN/PDA hierarchical structure for boosting tribological performances of carbon fiber/resin composites matched with copper dual disk. Tribology International, 2022, 172, 107641.	5.9	9
29	Carbon microspheres coated with graphene oxide nanosheets as oil-based additives for tribological applications. Materials Today Communications, 2020, 25, 101271.	1.9	8
30	Optimization of pore structure and wet tribological properties of paper-based friction materials using chemical foaming technology. Friction, 2022, 10, 1317-1334.	6.4	7
31	Carbon spheres wrapped with 2D covalent organic polymer as lubricant additives for enhancing tribological properties. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 633, 127862.	4.7	7
32	Grafting the buffer interphase ''<scp>MOF</scp>â€5'' for acquiring carbon fiber reinforced composite with excellent mechanical and tribological properties. Journal of Applied Polymer Science, 2022, 139, 51493.	2.6	6
33	A statistical model for evaluating the tribological properties of paper-based friction materials. Tribology International, 2015, 92, 418-424.	5.9	5
34	Improvements of mechanical and tribological properties of carbon fiber reinforced composites via chemically grafting MA onto MnO₂ nanosheets as interphase. Journal of Composite Materials, 2021, 55, 1609-1619.	2.4	5
35	Synthesis and tribological applications for carbon microspheres/poly (methyl methacrylate)/poly (ethylene imine) amphiphilic particles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 601, 124993.	4.7	5
36	Effect of hydrothermal oxidation temperatures on tribological properties of carbon fabric/resin friction materials. RSC Advances, 2015, 5, 21854-21858.	3.6	4

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37	Sodium citrateâ€assisted synthesis of <scp>nanoâ€manganese</scp> oxide on carbon fiber for enhancing the mechanical and frictional performances of carbon fiberâ€reinforced resin matrix composites. Journal of Applied Polymer Science, 2021, 138, 50322.	2.6	3
38	Regulating the chemical bond of carbon cloth for growing uniform Sb2O5 as high-performance sodium ion batteries anode. Journal of Electroanalytical Chemistry, 2021, 892, 115275.	3.8	3
39	Influence of hydrothermal treatment on the microstructure and oxidation resistance of a Zn4B2O7Â·H2O (4ZnOÂ·B2O3Â·H2O) coating for C/C composites. Materials at High Temperatures, 2016, 33, 283-287.	1.0	1
40	Silanization integrating TiO₂ nanorods-carbon fiber for improving mechanical and wear-resisting behaviors of phenolic composite. Journal of Composite Materials, 2021, 55, 3191-3202.	2.4	1
41	Antioxidant modification of C/C composites by in situ hydrothermally synthesized 4ZnOÂ·B2O3Â·H2O. Science and Engineering of Composite Materials, 2015, 22, .	1.4	0
42	Hydrothermal Synthesis and Electrochemical Property of Self-Assembly K₁₀[H₂W₁₂O₄₂]â‹…10H₂O Nanorod. Nano, 2016, 11, 1650062.	1.0	0