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	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
2	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
3	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
4	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
5	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
6	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
7	Graft PEI ultra-antiwear nanolayer onto carbon spheres as lubricant additives for tribological enhancement. Tribology International, 2021, 153, 106652.	5.9	15
8	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
9	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
10	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
11	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
12	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
13	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
14	Carbon microspheres coated with graphene oxide nanosheets as oil-based additives for tribological applications. Materials Today Communications, 2020, 25, 101271.	1.9	8
15	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
16	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
17	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
18	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

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19	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
20	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
21	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
22	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
23	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
24	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
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	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
27	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
28	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
29	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
30	Hydrothermal Synthesis and Electrochemical Property of Self-Assembly K₁₀[H₂W₁₂O₄₂]â‹…10H₂O Nanorod. Nano, 2016, 11, 1650062.	1.0	0
31	Ti-O-O coordination bond caused visible light photocatalytic property of layered titanium oxide. Scientific Reports, 2016, 6, 29049.	3.3	50
32	In situ synthesis and photocatalytic performance of WO₃/ZnWO₄ composite powders. RSC Advances, 2016, 6, 23783-23789.	3.6	16
33	Effects of NBR Particle Size on Performance of Carbon Fiberâ€“Reinforced Paper-Based Friction Material. Tribology Transactions, 2015, 58, 1012-1020.	2.0	13
34	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
35	Effect of hydrothermal oxidation temperatures on tribological properties of carbon fabric/resin friction materials. RSC Advances, 2015, 5, 21854-21858.	3.6	4
36	A statistical model for evaluating the tribological properties of paper-based friction materials. Tribology International, 2015, 92, 418-424.	5.9	5

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37	Effect of hydrothermal modified carbon fiber through Dielsâ€“Alder reaction and its reinforced phenolic composites. RSC Advances, 2015, 5, 64450-64455.	3.6	13
38	Effects of carbon fiber length on the tribological properties of paper-based friction materials. Tribology International, 2014, 72, 179-186.	5.9	45
39	Topotactic synthesis and photocatalytic performance of one-dimensional ZnNb₂O₆nanostructures and one-dimensional ZnNb₂O₆/KNbO₃hetero-nanostructures. RSC Advances, 2014, 4, 56637-56644.	3.6	14
40	Topotactic soft chemical synthesis and photocatalytic performance of one-dimensional AgNbO3 nanostructures. Materials Letters, 2014, 137, 110-112.	2.6	14
41	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
42	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