

Beibei Chen

List of Publications by Year in descending order

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54
papers

1,953
citations

218677

26
h-index

254184

43
g-index

55
all docs

55
docs citations

55
times ranked

1746
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative investigation on the tribological behaviors of CF/PEEK composites under sea water lubrication. <i>Tribology International</i> , 2012, 52, 170-177.	5.9	143
2	Super-elastic and highly hydrophobic/superoleophilic sodium alginate/cellulose aerogel for oil/water separation. <i>Cellulose</i> , 2018, 25, 3533-3544.	4.9	115
3	Fabrication of ternary hybrid of carbon nanotubes/graphene oxide/MoS ₂ and its enhancement on the tribological properties of epoxy composite coatings. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018, 115, 157-165.	7.6	112
4	Synthesis, characterization, and tribological properties of two-dimensional Ti ₃ C ₂ . <i>Crystal Research and Technology</i> , 2014, 49, 926-932.	1.3	102
5	Friction and Wear Behaviors of Several Polymers Sliding Against GCr15 and 316 Steel Under the Lubrication of Sea Water. <i>Tribology Letters</i> , 2011, 42, 17-25.	2.6	96
6	MoS ₂ nanosheets-decorated carbon fiber hybrid for improving the friction and wear properties of polyimide composite. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018, 109, 232-238.	7.6	95
7	Synthesis of the liquid-like graphene with excellent tribological properties. <i>Tribology International</i> , 2017, 105, 118-124.	5.9	89
8	Tribological properties of epoxy lubricating composite coatings reinforced with core-shell structure of CNF/MoS ₂ hybrid. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019, 122, 85-95.	7.6	69
9	Synergism of carbon fiber and polyimide in polytetrafluoroethylene-based composites: Friction and wear behavior under sea water lubrication. <i>Materials & Design</i> , 2012, 36, 366-371.	5.1	66
10	Enhanced tribological properties of epoxy-based lubricating coatings using carbon nanotubes-ZnS hybrid. <i>Surface and Coatings Technology</i> , 2018, 344, 154-162.	4.8	54
11	Microstructure of PTFE-Based Polymer Blends and Their Tribological Behaviors Under Aqueous Environment. <i>Tribology Letters</i> , 2012, 45, 387-395.	2.6	50
12	Multifunctional carbon aerogels from typha orientalis for oil/water separation and simultaneous removal of oil-soluble pollutants. <i>Cellulose</i> , 2018, 25, 5863-5875.	4.9	48
13	Tribological properties of copper-based composites with copper coated NbSe ₂ and CNT. <i>Materials & Design</i> , 2015, 75, 24-31.	5.1	45
14	Facile modification of sepiolite and its application in superhydrophobic coatings. <i>Applied Clay Science</i> , 2019, 174, 1-9.	5.2	43
15	Tribological properties of epoxy-based self-lubricating composite coating enhanced by 2D/2D h-BN/MoS ₂ hybrid. <i>Progress in Organic Coatings</i> , 2020, 147, 105767.	3.9	40
16	Tribocorrosion Behaviors of Inconel 625 Alloy Sliding against 316 Steel in Seawater. <i>Tribology Transactions</i> , 2011, 54, 514-522.	2.0	39
17	Friction and Wear Properties of Polyimide-Based Composites with a Multiscale Carbon Fiber-Carbon Nanotube Hybrid. <i>Tribology Letters</i> , 2017, 65, 1.	2.6	39
18	Fabrication of the g-C ₃ N ₄ /Cu nanocomposite and its potential for lubrication applications. <i>RSC Advances</i> , 2015, 5, 64254-64260.	3.6	38

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19	One-step fabrication of superhydrophobic and superoleophilic cigarette filters for oil-water separation. <i>Journal of Adhesion Science and Technology</i> , 2015, 29, 2399-2407.	2.6	36
20	MoS ₂ /reduced graphene oxide hybrid structure and its tribological properties. <i>RSC Advances</i> , 2015, 5, 89682-89688.	3.6	32
21	Large-scale synthesis of NbSe ₂ nanosheets and their use as nanofillers for improving the tribological properties of epoxy coatings. <i>Surface and Coatings Technology</i> , 2016, 305, 23-28.	4.8	32
22	Synergetic Effect of Lubricant Additive and Reinforcement Additive on the Tribological Behaviors of PEEK-Based Composites under Seawater Lubrication. <i>Tribology Transactions</i> , 2013, 56, 672-680.	2.0	31
23	Hydrothermal synthesis and tribological properties of FeS ₂ (pyrite)/reduced graphene oxide heterojunction. <i>RSC Advances</i> , 2015, 5, 1417-1423.	3.6	30
24	Hierarchical carbon fiber/SiO ₂ hybrid/polyimide composites with enhanced thermal, mechanical, and tribological properties. <i>Polymer Composites</i> , 2018, 39, E1626.	4.6	29
25	Synergism of several carbon series additions on the microstructures and tribological behaviors of polyimide-based composites under sea water lubrication. <i>Materials & Design</i> , 2014, 63, 325-332.	5.1	28
26	Nano-MoS ₂ modified PBO fiber hybrid for improving the tribological behavior and thermal stability of TPI/PEEK blends. <i>Tribology International</i> , 2020, 144, 106117.	5.9	28
27	Enhancement on interlaminar shear strength and tribological properties in water of ultra high molecular weight polyethylene/glass fabric/phenolic laminate composite by surface modification of fillers. <i>Materials & Design</i> , 2014, 55, 805-811.	5.1	26
28	Fabrication of monolayer MoS ₂ /rGO hybrids with excellent tribological performances through a surfactant-assisted hydrothermal route. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	2.3	26
29	Confined interlayer water enhances solid lubrication performances of graphene oxide films with optimized oxygen functional groups. <i>Applied Surface Science</i> , 2019, 485, 64-69.	6.1	26
30	Slippery lubricant-infused textured aluminum surfaces. <i>Journal of Adhesion Science and Technology</i> , 2014, 28, 1949-1957.	2.6	25
31	Enhancement of the tribological properties of carbon fiber/epoxy composite by grafting carbon nanotubes onto fibers. <i>RSC Advances</i> , 2016, 6, 49387-49394.	3.6	25
32	Characterization of mechanical properties of epoxy/nanohybrid composites by nanoindentation. <i>Nanotechnology Reviews</i> , 2020, 9, 28-40.	5.8	24
33	Fabrication of low friction and wear carbon/epoxy nanocomposites using the confinement and self-lubricating function of carbon nanocage fillers. <i>Applied Surface Science</i> , 2021, 538, 148109.	6.1	22
34	Facile fabrication of hierarchical carbon fiber/MoS ₂ ultrathin nanosheets and its tribological properties. <i>RSC Advances</i> , 2016, 6, 60446-60453.	3.6	21
35	Deposition of Ag nanoparticles on polydopamine-functionalized CNTs for improving the tribological properties of PPEEK composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2022, 153, 106709.	7.6	21
36	Comparative Investigation on the Friction and Wear Behaviors of Carbon Fabric-Reinforced Phenolic Composites under Seawater Lubrication. <i>Tribology Transactions</i> , 2015, 58, 140-147.	2.0	18

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37	Mono-dispersed Ag nanoparticles decorated graphitic carbon nitride: An excellent lubricating additive as PPEsk composite film. <i>Friction</i> , 2022, 10, 717-731.	6.4	18
38	Microstructure and phase transformation of Ti_3AC_2 (A = Al, Si) in hydrofluoric acid solution. <i>Crystal Research and Technology</i> , 2014, 49, 813-819.	1.3	17
39	Fabrication of superoleophobic surfaces with controllable liquid adhesion from polyelectrolyte multilayer film. <i>RSC Advances</i> , 2014, 4, 14227-14232.	3.6	16
40	A novel colorful sepiolite-based superhydrophobic coating with excellent mechanical and chemical stability and self-cleaning property. <i>Materials Letters</i> , 2019, 254, 340-343.	2.6	16
41	Effect of UHMWPE Microparticles on the Tribological Performances of High-Strength Glass Fabric/Phenolic Laminate Composites Under Water Lubrication. <i>Tribology Letters</i> , 2014, 55, 253-260.	2.6	15
42	Robust and transparent superoleophobic coatings from one-step spraying of $SiO_2@fluoroPOS$. <i>Journal of Sol-Gel Science and Technology</i> , 2020, 93, 79-90.	2.4	12
43	Facile synthesis of ultrathin $NbTe_2$ nanosheets for enhanced tribological properties as a lubricant additive. <i>Crystal Research and Technology</i> , 2016, 51, 671-680.	1.3	11
44	Enhancement on the tribological properties of poly(phthalazinone ether sulfone ketone) by carbon nanotube-supported graphitic carbon nitride hybrid. <i>Polymer Composites</i> , 2020, 41, 3768-3777.	4.6	11
45	First-principles study of negative thermal expansion mechanism in A-site-ordered perovskite $SrCu_3Fe_4O_{12}$. <i>RSC Advances</i> , 2015, 5, 1801-1807.	3.6	10
46	One-step removal of insoluble oily compounds and water-miscible contaminants from water by underwater superoleophobic graphene oxide-coated cotton. <i>Cellulose</i> , 2017, 24, 5605-5614.	4.9	10
47	One-step preparation of carbon fiber/ ZrO_2 hybrid and its enhancement on the wear-resistant properties of polyimide. <i>Polymer Composites</i> , 2021, 42, 2598-2607.	4.6	10
48	ZnO nanowires-decorated h-BN hybrid for enhancing the tribological properties of epoxy resin. <i>Progress in Organic Coatings</i> , 2021, 161, 106493.	3.9	9
49	Fiber hybrid polyimide-based composites reinforced with carbon fiber and poly(p-phenylene benzobisthiazole) fiber: Tribological behaviors under sea water lubrication. <i>Polymer Composites</i> , 2016, 37, 1650-1658.	4.6	8
50	Boston ivy-like clinging of dendritic polytetrafluoroethylene nano-ribbons to the surface of carbon fiber. <i>Composites Part A: Applied Science and Manufacturing</i> , 2012, 43, 1028-1031.	7.6	7
51	Construction of $2D/2D$ graphene oxide/ C_3N_4 hybrid for enhancing the friction and wear performance of poly(phthalazinone ether sulfone ketone). <i>Polymer Composites</i> , 2022, 43, 2055-2063.	4.6	7
52	Synergism of Poly(p-phenylene benzobisoxazole) Microfibers and Carbon Nanofibers on Improving the Wear Resistance of Polyimide Matrix Composites in Sea Water. <i>Tribology Letters</i> , 2015, 57, 1.	2.6	6
53	Tribological properties of Fe-Ni-based composites with Ni-coated reduced graphene oxide-MoS ₂ . <i>Journal of Composite Materials</i> , 2018, 52, 2631-2639.	2.4	3
54	Sepiolite-based superamphiphobic coating with excellent robustness, chemical stability and self-cleaning performance. <i>Progress in Organic Coatings</i> , 2021, 157, 106297.	3.9	3