

# 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	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
2	Deposition of Ag nanoparticles on polydopamine-functionalized CNTs for improving the tribological properties of PPEsk composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2022, 153, 106709.	7.6	21
3	Construction of 2D/2D graphene oxide/C <sub>3</sub> N <sub>4</sub> 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
4	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
5	One-step preparation of carbon fiber/ZrO <sub>2</sub> hybrid and its enhancement on the wear-resistant properties of polyimide. <i>Polymer Composites</i> , 2021, 42, 2598-2607.	4.6	10
6	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
7	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
8	Robust and transparent superoleophobic coatings from one-step spraying of SiO <sub>2</sub> @fluoroPOS. <i>Journal of Sol-Gel Science and Technology</i> , 2020, 93, 79-90.	2.4	12
9	Nano-MoS <sub>2</sub> 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
10	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
11	Tribological properties of epoxy-based self-lubricating composite coating enhanced by 2D/2D h-BN/MoS <sub>2</sub> hybrid. <i>Progress in Organic Coatings</i> , 2020, 147, 105767.	3.9	40
12	Characterization of mechanical properties of epoxy/nanohybrid composites by nanoindentation. <i>Nanotechnology Reviews</i> , 2020, 9, 28-40.	5.8	24
13	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
14	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
15	Tribological properties of epoxy lubricating composite coatings reinforced with core-shell structure of CNF/MoS <sub>2</sub> hybrid. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019, 122, 85-95.	7.6	69
16	Facile modification of sepiolite and its application in superhydrophobic coatings. <i>Applied Clay Science</i> , 2019, 174, 1-9.	5.2	43
17	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
18	MoS <sub>2</sub> 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

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19	Super-elastic and highly hydrophobic/superoleophilic sodium alginate/cellulose aerogel for oil/water separation. <i>Cellulose</i> , 2018, 25, 3533-3544.	4.9	115
20	Tribological properties of Fe–Ni-based composites with Ni-coated reduced graphene oxide–MoS <sub>2</sub> . <i>Journal of Composite Materials</i> , 2018, 52, 2631-2639.	2.4	3
21	Hierarchical carbon fiber–SiO <sub>2</sub> hybrid/polyimide composites with enhanced thermal, mechanical, and tribological properties. <i>Polymer Composites</i> , 2018, 39, E1626.	4.6	29
22	Fabrication of ternary hybrid of carbon nanotubes/graphene oxide/MoS <sub>2</sub> 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
23	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
24	Fabrication of monolayer MoS <sub>2</sub> /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
25	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
26	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
27	Synthesis of the liquid-like graphene with excellent tribological properties. <i>Tribology International</i> , 2017, 105, 118-124.	5.9	89
28	Large-scale synthesis of NbSe <sub>2</sub> 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
29	Facile synthesis of ultrathin NbTe <sub>2</sub> nanosheets for enhanced tribological properties as a lubricant additive. <i>Crystal Research and Technology</i> , 2016, 51, 671-680.	1.3	11
30	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
31	Facile fabrication of hierarchical carbon fiber–MoS <sub>2</sub> ultrathin nanosheets and its tribological properties. <i>RSC Advances</i> , 2016, 6, 60446-60453.	3.6	21
32	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
33	First-principles study of negative thermal expansion mechanism in A-site-ordered perovskite SrCu <sub>3</sub> Fe <sub>4</sub> O <sub>12</sub> . <i>RSC Advances</i> , 2015, 5, 1801-1807.	3.6	10
34	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
35	Fabrication of the g-C <sub>3</sub> N <sub>4</sub> /Cu nanocomposite and its potential for lubrication applications. <i>RSC Advances</i> , 2015, 5, 64254-64260.	3.6	38
36	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

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37	Comparative Investigation on the Friction and Wear Behaviors of Carbon Fabricâ€“Reinforced Phenolic Composites under Seawater Lubrication. Tribology Transactions, 2015, 58, 140-147.	2.0	18
38	Tribological properties of copper-based composites with copper coated NbSe <sub>2</sub> and CNT. Materials & Design, 2015, 75, 24-31.	5.1	45
39	MoS <sub>2</sub> /reduced graphene oxide hybrid structure and its tribological properties. RSC Advances, 2015, 5, 89682-89688.	3.6	32
40	Hydrothermal synthesis and tribological properties of FeS <sub>2</sub> (pyrite)/reduced graphene oxide heterojunction. RSC Advances, 2015, 5, 1417-1423.	3.6	30
41	Slippery lubricant-infused textured aluminum surfaces. Journal of Adhesion Science and Technology, 2014, 28, 1949-1957.	2.6	25
42	Synthesis, characterization, and tribological properties of twoâ€“dimensional Ti <sub>3</sub> C <sub>2</sub> . Crystal Research and Technology, 2014, 49, 926-932.	1.3	102
43	Microstructure and phase transformation of Ti <sub>3</sub> AC <sub>2</sub> (A = Al, Si) in hydrofluoric acid solution. Crystal Research and Technology, 2014, 49, 813-819.	1.3	17
44	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. Materials & Design, 2014, 55, 805-811.	5.1	26
45	Fabrication of superoleophobic surfaces with controllable liquid adhesion from polyelectrolyte multilayer film. RSC Advances, 2014, 4, 14227-14232.	3.6	16
46	Synergism of several carbon series additions on the microstructures and tribological behaviors of polyimide-based composites under sea water lubrication. Materials & Design, 2014, 63, 325-332.	5.1	28
47	Effect of UHMWPE Microparticles on the Tribological Performances of High-Strength Glass Fabric/Phenolic Laminate Composites Under Water Lubrication. Tribology Letters, 2014, 55, 253-260.	2.6	15
48	Synergetic Effect of Lubricant Additive and Reinforcement Additive on the Tribological Behaviors of PEEK-Based Composites under Seawater Lubrication. Tribology Transactions, 2013, 56, 672-680.	2.0	31
49	Boston ivy-like clinging of dendritic polytetrafluoroethylene nano-ribbons to the surface of carbon fiber. Composites Part A: Applied Science and Manufacturing, 2012, 43, 1028-1031.	7.6	7
50	Synergism of carbon fiber and polyimide in polytetrafluoroethylene-based composites: Friction and wear behavior under sea water lubrication. Materials & Design, 2012, 36, 366-371.	5.1	66
51	Comparative investigation on the tribological behaviors of CF/PEEK composites under sea water lubrication. Tribology International, 2012, 52, 170-177.	5.9	143
52	Microstructure of PTFE-Based Polymer Blends and Their Tribological Behaviors Under Aqueous Environment. Tribology Letters, 2012, 45, 387-395.	2.6	50
53	Friction and Wear Behaviors of Several Polymers Sliding Against GCr15 and 316 Steel Under the Lubrication of Sea Water. Tribology Letters, 2011, 42, 17-25.	2.6	96
54	Tribocorrosion Behaviors of Inconel 625 Alloy Sliding against 316 Steel in Seawater. Tribology Transactions, 2011, 54, 514-522.	2.0	39