Yang Jin

List of Publications by Year
in descending order

40 papers	1,163 citations	361413 20 h-index	395702 33 g-index
41 all docs	41 docs citations	41 times ranked	1565 citing authors

#	Article	IF	Citations
1	Versatile fabrication of the magnetic polymer-based graphene foam and applications for oilâ€“water separation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 468, 10-16.	4.7	117
2	Super-elastic and highly hydrophobic/superoleophilic sodium alginate/cellulose aerogel for oil/water separation. Cellulose, 2018, 25, 3533-3544.	4.9	115
3	Synthesis, characterization, and tribological properties of twoâ€dimensional Ti₃C₂. Crystal Research and Technology, 2014, 49, 926-932.	1.3	102
4	Superhydrophilic and superoleophobic chitosan-based nanocomposite coatings for oil/water separation. Cellulose, 2014, 21, 1851-1857.	4.9	88
5	Selfâ€Growth of MoS₂ Sponge for Highly Efficient Photothermal Cleanup of Highâ€Viscosity Crude Oil Spills. Advanced Materials Interfaces, 2020, 7, 1901671.	3.7	54
6	Multifunctional carbon aerogels from typha orientalis for oil/water separation and simultaneous removal of oil-soluble pollutants. Cellulose, 2018, 25, 5863-5875.	4.9	48
7	Tribological properties of graphene oxide and carbon spheres as lubricating additives. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	44
8	Friction and Wear Properties of Polyimide-Based Composites with a Multiscale Carbon Fiber-Carbon Nanotube Hybrid. Tribology Letters, 2017, 65, 1.	2.6	39
9	Fabrication of the g-C₃N₄/Cu nanocomposite and its potential for lubrication applications. RSC Advances, 2015, 5, 64254-64260.	3.6	38
10	A UV-driven superhydrophilic/superoleophobic polyelectrolyte multilayer film on fabric and its application in oil/water separation. RSC Advances, 2016, 6, 91301-91307.	3.6	37
11	One-step fabrication of superhydrophobic and superoleophilic cigarette filters for oil-water separation. Journal of Adhesion Science and Technology, 2015, 29, 2399-2407.	2.6	36
12	Growth of ultra-dense MoS2 nanosheets on carbon fibers to improve the mechanical and tribological properties of polyimide composites. Friction, 2021, 9, 1150-1162.	6.4	33
13	MoS₂/reduced graphene oxide hybrid structure and its tribological properties. RSC Advances, 2015, 5, 89682-89688.	3.6	32
14	Hierarchical carbon fiberâ€SiO₂ hybrid/polyimide composites with enhanced thermal, mechanical, and tribological properties. Polymer Composites, 2018, 39, E1626.	4.6	29
15	Interfacial modification and tribological properties of carbon fiber grafted by TiO2 nanorods reinforced novel depolymerized thermosetting composites. Composites Part A: Applied Science and Manufacturing, 2020, 133, 105860.	7.6	29
16	Fabrication of monolayer MoS2/rGO hybrids with excellent tribological performances through a surfactant-assisted hydrothermal route. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	26
17	Slippery lubricant-infused textured aluminum surfaces. Journal of Adhesion Science and Technology, 2014, 28, 1949-1957.	2.6	25
18	Enhancement of the tribological properties of carbon fiber/epoxy composite by grafting carbon nanotubes onto fibers. RSC Advances, 2016, 6, 49387-49394.	3.6	25

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19	Characterization of mechanical properties of epoxy/nanohybrid composites by nanoindentation. Nanotechnology Reviews, 2020, 9, 28-40.	5.8	24
20	Facile fabrication of hierarchical carbon fiberâ€“MoS₂ ultrathin nanosheets and its tribological properties. RSC Advances, 2016, 6, 60446-60453.	3.6	21
21	Preparation and tribological behaviors of poly (ether ether ketone) nanocomposite films containing graphene oxide nanosheets. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	19
22	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
23	Microstructure and phase transformation of Ti₃AC₂ (A = Al, Si) in hydrofluoric acid solution. Crystal Research and Technology, 2014, 49, 813-819.	1.3	17
24	Fabrication of Polydopamineâ€Modified Carbon Fabric/Polyimide Composites With Enhanced Mechanical and Tribological Properties. Polymer Composites, 2019, 40, 1911-1918.	4.6	17
25	Fabrication of superoleophobic surfaces with controllable liquid adhesion from polyelectrolyte multilayer film. RSC Advances, 2014, 4, 14227-14232.	3.6	16
26	Synergetic effect of NbSe2 and Cr2Nb on the tribological and electrical behavior of Cu-based electrical contact composites. RSC Advances, 2015, 5, 100472-100481.	3.6	13
27	Polydopamine/FeOOH-modified interface in carbon cloth/polyimide composites for improved mechanical/tribological properties. Materials Chemistry and Physics, 2020, 243, 122677.	4.0	13
28	Robust and transparent superoleophobic coatings from one-step spraying of SiO2@fluoroPOS. Journal of Sol-Gel Science and Technology, 2020, 93, 79-90.	2.4	12
29	Facile synthesis of ultrathin NbTe₂ nanosheets for enhanced tribological properties as a lubricant additive. Crystal Research and Technology, 2016, 51, 671-680.	1.3	11
30	One-step removal of insoluble oily compounds and water-miscible contaminants from water by underwater superoleophobic graphene oxide-coated cotton. Cellulose, 2017, 24, 5605-5614.	4.9	10
31	Fiber hybrid polyimideâ€based composites reinforced with carbon fiber and polyâ€pâ€phenylene benzobisthiazole fiber: Tribological behaviors under sea water lubrication. Polymer Composites, 2016, 37, 1650-1658.	4.6	8
32	Improved mechanical/tribological properties of polyimide/carbon fabric composites by in situ-grown polyaniline nanofibers. Materials Chemistry and Physics, 2021, 258, 123972.	4.0	8
33	CuO nanowires uniformly grown on carbon cloth to improve mechanical and tribological properties of polyimide composites. Materials Chemistry and Physics, 2022, 281, 125852.	4.0	8
34	Fabrication of superamphiphobic-textured surfaces with reversibly switchable wettability. Journal of Adhesion Science and Technology, 2014, 28, 1687-1694.	2.6	7
35	Tribological properties of Cu-based composites with S-doped NbSe2. Rare Metals, 2015, 34, 407-412.	7.1	7
36	Synergism of Poly(p-phenylene benzobisoxazole) Microfibers and Carbon Nanofibers on Improving the Wear Resistance of Polyimideâ€“Matrix Composites in Sea Water. Tribology Letters, 2015, 57, 1.	2.6	6

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37	Selfâ€Organization of Amorphous Carbon Nanocapsules into Diamond Nanocrystals Driven by Selfâ€Nanoscopic Excessive Pressure under Moderate Electron Irradiation without External Heating. Small, 2018, 14, 1702072.	10.0	5
38	Facile decoration of small-sized Au nanoparticles onto carbon nanotube by a simple noncovalent approach for efficient catalysis. Materials Research Innovations, 2017, 21, 215-221.	2.3	3
39	Spray-Coated Metal Hexadecanoate-Based Coatings with Robust Superhydrophobicity and Repairability. Journal of Dispersion Science and Technology, 2013, 34, 1342-1346.	2.4	1
40	Robust Superhydrophobic Nickel Micro/nanostructures on Steel Surfaces with Excellent Anti-corrosion and Tribological Properties. Chemistry Letters, 2017, 46, 1553-1555.	1.3	1