Fenghua Su

List of Publications by Year
in descending order

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26 papers	1,222 citations	430874 18 h-index	552781 26 g-index
26 all docs	26 docs citations	26 times ranked	1379 citing authors

#	Article	IF	Citations
1	Synthesis of Nitrogen-Doped Diamond-Like Carbon Films Produced by Plasma-Enhanced Chemical Vapor Deposition and their Tribocorrosion Behavior in Hanksâ€™ Solution. Journal of Materials Engineering and Performance, 2022, 31, 8334-8345.	2.5	2
2	Functionalised <scp>hâ€BN</scp> as an effective lubricant additive in <scp>PAO</scp> oil for <scp>MoN</scp> coating sliding against <scp>Si₃N₄</scp> ball. Lubrication Science, 2021, 33, 33-42.	2.1	6
3	Improved Load-Bearing Capacity and Tribological Properties of PTFE Coatings Induced by Surface Texturing and the Addition of GO. Tribology Letters, 2021, 69, 1.	2.6	17
4	Microstructure, electrochemical and tribocorrosion behaviors of CrCN nanocomposite coating with various carbon content. Surface and Coatings Technology, 2021, 411, 126997.	4.8	30
5	Macroscale Superlubricity on Engineering Steel in the Presence of Black Phosphorus. Nano Letters, 2021, 21, 5308-5315.	9.1	42
6	Flexible Supercapacitors Based on CNT/MnO2-BP Composite Yarn Synthesized by In Situ Reduction. Journal of the Electrochemical Society, 2021, 168, 080524.	2.9	7
7	High-performance all-solid-state flexible asymmetric supercapacitors composed of PPy@Ti3C2Tx/CC and Ti3C2Tx/CC electrodes. Surfaces and Interfaces, 2021, 26, 101393.	3.0	8
8	Lubricating performances of graphene oxide and onion-like carbon as water-based lubricant additives for smooth and sand-blasted steel discs. Friction, 2020, 8, 47-57.	6.4	42
9	2D black phosphorus dotted with silver nanoparticles: An excellent lubricant additive for tribological applications. Chemical Engineering Journal, 2020, 392, 123631.	12.7	115
10	In situ Synthesizing Carbon-Based Film by Tribo-Induced Catalytic Degradation of Poly-Î±-Olefin Oil for Reducing Friction and Wear. Langmuir, 2020, 36, 10555-10564.	3.5	26
11	Facile Synthesis of MnO₂/Ti₃C₂T_x/CC as Positive Electrode of Allâ€Solidâ€State Flexible Asymmetric Supercapacitor. ChemistrySelect, 2020, 5, 14768-14775.	1.5	24
12	Sandwich-Structured Transition Metal Oxide/Graphene/Carbon Nanotube Composite Yarn Electrodes for Flexible Two-Ply Yarn Supercapacitors. Industrial & Engineering Chemistry Research, 2020, 59, 5752-5759.	3.7	26
13	Articular cartilage inspired bilayer coating on Ti6Al4V alloy with low friction and high load-bearing properties. Applied Surface Science, 2020, 515, 146065.	6.1	13
14	Microstructure and tribological behaviors of MoN-Cu nanocomposite coatings sliding against Si3N4 ball under dry and oil-lubricated conditions. Wear, 2019, 434-435, 202994.	3.1	17
15	Boundary and Elastohydrodynamic Lubrication Behaviors of Nano-CuO/Reduced Graphene Oxide Nanocomposite as an Efficient Oil-Based Additive. Langmuir, 2019, 35, 10322-10333.	3.5	18
16	Excellent Lubricating Ability of Functionalization Graphene Dispersed in Perfluoropolyether for Titanium Alloy. ACS Applied Nano Materials, 2019, 2, 1391-1401.	5.0	17
17	Synthesis of hydrogenated DLC film by PECVD and its tribocorrosion behaviors under the lubricating condition of graphene oxide dispersed in water. Tribology International, 2019, 130, 1-8.	5.9	24
18	Effective lubricant additive of nano-Ag/MWCNTs nanocomposite produced by supercritical CO2 synthesis. Tribology International, 2018, 118, 180-188.	5.9	49

#	Article	IF	Citations
19	Nickel/Multi-walled Carbon Nanotube Nanocomposite Synthesized in Supercritical Fluid as Efficient Lubricant Additive for Mineral Oil. Tribology Letters, 2018, 66, 1.	2.6	20
20	Au/Graphene Oxide Nanocomposite Synthesized in Supercritical CO₂ Fluid as Energy Efficient Lubricant Additive. ACS Applied Materials & Interfaces, 2017, 9, 39549-39559.	8.0	85
21	Supercritical Fluid Synthesis and Tribological Applications of Silver Nanoparticle-decorated Graphene in Engine Oil Nanofluid. Scientific Reports, 2016, 6, 31246.	3.3	102
22	Nanocrystalline Co-Ni alloy coating produced with supercritical carbon dioxide assisted electrodeposition with excellent wear and corrosion resistance. Surface and Coatings Technology, 2016, 292, 37-43.	4.8	50
23	A Novel Nanomaterial of Graphene Oxide Dotted with Ni Nanoparticles Produced by Supercritical CO₂-Assisted Deposition for Reducing Friction and Wear. ACS Applied Materials & Interfaces, 2015, 7, 11604-11612.	8.0	87
24	Synthesis of nano-Cu/graphene oxide composites by supercritical CO2-assisted deposition as a novel material for reducing friction and wear. Chemical Engineering Journal, 2015, 281, 11-19.	12.7	110
25	High-Performance Two-Ply Yarn Supercapacitors Based on Carbon Nanotube Yarns Dotted with Co₃O₄and NiO Nanoparticles. Small, 2015, 11, 854-861.	10.0	226
26	Flexible, high performance Two-Ply Yarn Supercapacitors based on irradiated Carbon Nanotube Yarn and PEDOT/PSS. Electrochimica Acta, 2014, 127, 433-438.	5.2	59