

Fenghua Su

List of Publications by Year in descending order

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26
papers

1,222
citations

430874

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docs citations

26
times ranked

1379
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Performance Two-Ply Yarn Supercapacitors Based on Carbon Nanotube Yarns Dotted with Co ₃ O ₄ and NiO Nanoparticles. <i>Small</i> , 2015, 11, 854-861.	10.0	226
2	2D black phosphorus dotted with silver nanoparticles: An excellent lubricant additive for tribological applications. <i>Chemical Engineering Journal</i> , 2020, 392, 123631.	12.7	115
3	Synthesis of nano-Cu/graphene oxide composites by supercritical CO ₂ -assisted deposition as a novel material for reducing friction and wear. <i>Chemical Engineering Journal</i> , 2015, 281, 11-19.	12.7	110
4	Supercritical Fluid Synthesis and Tribological Applications of Silver Nanoparticle-decorated Graphene in Engine Oil Nanofluid. <i>Scientific Reports</i> , 2016, 6, 31246.	3.3	102
5	A Novel Nanomaterial of Graphene Oxide Dotted with Ni Nanoparticles Produced by Supercritical CO ₂ -Assisted Deposition for Reducing Friction and Wear. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 11604-11612.	8.0	87
6	Au/Graphene Oxide Nanocomposite Synthesized in Supercritical CO ₂ Fluid as Energy Efficient Lubricant Additive. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 39549-39559.	8.0	85
7	Flexible, high performance Two-Ply Yarn Supercapacitors based on irradiated Carbon Nanotube Yarn and PEDOT/PSS. <i>Electrochimica Acta</i> , 2014, 127, 433-438.	5.2	59
8	Nanocrystalline Co-Ni alloy coating produced with supercritical carbon dioxide assisted electrodeposition with excellent wear and corrosion resistance. <i>Surface and Coatings Technology</i> , 2016, 292, 37-43.	4.8	50
9	Effective lubricant additive of nano-Ag/MWCNTs nanocomposite produced by supercritical CO ₂ synthesis. <i>Tribology International</i> , 2018, 118, 180-188.	5.9	49
10	Lubricating performances of graphene oxide and onion-like carbon as water-based lubricant additives for smooth and sand-blasted steel discs. <i>Friction</i> , 2020, 8, 47-57.	6.4	42
11	Macroscale Superlubricity on Engineering Steel in the Presence of Black Phosphorus. <i>Nano Letters</i> , 2021, 21, 5308-5315.	9.1	42
12	Microstructure, electrochemical and tribocorrosion behaviors of CrCN nanocomposite coating with various carbon content. <i>Surface and Coatings Technology</i> , 2021, 411, 126997.	4.8	30
13	In situ Synthesizing Carbon-Based Film by Tribo-Induced Catalytic Degradation of Poly- α -Olefin Oil for Reducing Friction and Wear. <i>Langmuir</i> , 2020, 36, 10555-10564.	3.5	26
14	Sandwich-Structured Transition Metal Oxide/Graphene/Carbon Nanotube Composite Yarn Electrodes for Flexible Two-Ply Yarn Supercapacitors. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 5752-5759.	3.7	26
15	Synthesis of hydrogenated DLC film by PECVD and its tribocorrosion behaviors under the lubricating condition of graphene oxide dispersed in water. <i>Tribology International</i> , 2019, 130, 1-8.	5.9	24
16	Facile Synthesis of MnO ₂ /Ti ₃ C ₂ T _x /CC as Positive Electrode of All-Solid-State Flexible Asymmetric Supercapacitor. <i>ChemistrySelect</i> , 2020, 5, 14768-14775.	1.5	24
17	Nickel/Multi-walled Carbon Nanotube Nanocomposite Synthesized in Supercritical Fluid as Efficient Lubricant Additive for Mineral Oil. <i>Tribology Letters</i> , 2018, 66, 1.	2.6	20
18	Boundary and Elastohydrodynamic Lubrication Behaviors of Nano-CuO/Reduced Graphene Oxide Nanocomposite as an Efficient Oil-Based Additive. <i>Langmuir</i> , 2019, 35, 10322-10333.	3.5	18

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19	Microstructure and tribological behaviors of MoN-Cu nanocomposite coatings sliding against Si ₃ N ₄ ball under dry and oil-lubricated conditions. <i>Wear</i> , 2019, 434-435, 202994.	3.1	17
20	Excellent Lubricating Ability of Functionalization Graphene Dispersed in Perfluoropolyether for Titanium Alloy. <i>ACS Applied Nano Materials</i> , 2019, 2, 1391-1401.	5.0	17
21	Improved Load-Bearing Capacity and Tribological Properties of PTFE Coatings Induced by Surface Texturing and the Addition of GO. <i>Tribology Letters</i> , 2021, 69, 1.	2.6	17
22	Articular cartilage inspired bilayer coating on Ti6Al4V alloy with low friction and high load-bearing properties. <i>Applied Surface Science</i> , 2020, 515, 146065.	6.1	13
23	High-performance all-solid-state flexible asymmetric supercapacitors composed of PPy@Ti ₃ C ₂ T _x /CC and Ti ₃ C ₂ T _x /CC electrodes. <i>Surfaces and Interfaces</i> , 2021, 26, 101393.	3.0	8
24	Flexible Supercapacitors Based on CNT/MnO ₂ -BP Composite Yarn Synthesized by In Situ Reduction. <i>Journal of the Electrochemical Society</i> , 2021, 168, 080524.	2.9	7
25	Functionalised h-BN as an effective lubricant additive in PAO oil for MoN coating sliding against Si ₃ N ₄ ball. <i>Lubrication Science</i> , 2021, 33, 33-42.	2.1	6
26	Synthesis of Nitrogen-Doped Diamond-Like Carbon Films Produced by Plasma-Enhanced Chemical Vapor Deposition and their Tribocorrosion Behavior in Hanks™ Solution. <i>Journal of Materials Engineering and Performance</i> , 2022, 31, 8334-8345.	2.5	2