

# Wulin Yang

## List of Publications by Year in descending order

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36  
papers

681  
citations

516710

16  
h-index

580821

25  
g-index

37  
all docs

37  
docs citations

37  
times ranked

550  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced visible light photocatalytic activity of g-C <sub>3</sub> N <sub>4</sub> decorated ZrO <sub>2-x</sub> nanotubes heterostructure for degradation of tetracycline hydrochloride. <i>Journal of Hazardous Materials</i> , 2020, 384, 121275.	12.4	82
2	Silver nanoparticles decorated 3D reduced graphene oxides as hybrid filler for enhancing thermal conductivity of polystyrene composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019, 123, 79-85.	7.6	52
3	The acceleration intermediate phase (NiS and Ni <sub>3</sub> S <sub>2</sub> ) evolution by nanocrystallization in Li/NiS <sub>2</sub> thermal batteries with high specific capacity. <i>Journal of Power Sources</i> , 2017, 352, 83-89.	7.8	48
4	A hierarchical carbon modified nano-NiS <sub>2</sub> cathode with high thermal stability for a high energy thermal battery. <i>Journal of Materials Chemistry A</i> , 2018, 6, 7123-7132.	10.3	48
5	Cu <sub>2</sub> O as a promising cathode with high specific capacity for thermal battery. <i>Journal of Power Sources</i> , 2020, 448, 227569.	7.8	43
6	Regulating interface adhesion and enhancing thermal conductivity of diamond/copper composites by ion beam bombardment and following surface metallization pretreatment. <i>Journal of Alloys and Compounds</i> , 2018, 740, 1060-1066.	5.5	33
7	Enhanced thermal conductivity and stability of diamond/aluminum composite by introduction of carbide interface layer. <i>Diamond and Related Materials</i> , 2014, 46, 35-41.	3.9	29
8	Excellent Tribological Properties of Lower Reduced Graphene Oxide Content Copper Composite by Using a One-Step Reduction Molecular-Level Mixing Process. <i>Materials</i> , 2018, 11, 600.	2.9	29
9	Effect of surface roughening on the interfacial thermal conductance of diamond/copper composites. <i>Diamond and Related Materials</i> , 2019, 98, 107467.	3.9	29
10	Novel NiCl <sub>2</sub> Nanosheets Synthesized via Chemical Vapor Deposition with High Specific Energy for Thermal Battery. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 34755-34762.	8.0	29
11	A new cathode material of NiF <sub>2</sub> for thermal batteries with high specific power. <i>Electrochimica Acta</i> , 2020, 361, 137051.	5.2	25
12	Exploring the underlying causes of optimizing thermal conductivity of copper/diamond composites by interface thickness. <i>Journal of Alloys and Compounds</i> , 2022, 891, 161777.	5.5	24
13	Low-temperature synthesizing SiC on diamond surface and its improving effects on thermal conductivity and stability of diamond/Al composites. <i>Journal of Alloys and Compounds</i> , 2020, 846, 156258.	5.5	23
14	High specific energy flexible CuO thin film cathode for thermal batteries. <i>Journal of Power Sources</i> , 2020, 463, 228237.	7.8	23
15	Enhanced thermal conductivity of copper/diamond composites by fine-regulating microstructure of interfacial tungsten buffer layer. <i>Journal of Alloys and Compounds</i> , 2021, 856, 157440.	5.5	19
16	Overcoming selective interfacial bonding and enhancing thermal conductivity of diamond/aluminum composite by an ion bombardment pretreatment. <i>Diamond and Related Materials</i> , 2018, 81, 127-132.	3.9	18
17	Shortening activation time of thermal battery by hydrogen etching of NiCl <sub>2</sub> cathode. <i>Materials Letters</i> , 2020, 275, 128136.	2.6	16
18	Flexible and thermal conductive poly (vinylidene fluoride) composites with silver decorated hexagonal boron nitride/silicon carbide hybrid filler. <i>Polymer Composites</i> , 2022, 43, 3960-3970.	4.6	12

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19	Improved Electrochemical Performance of FeF <sub>3</sub> by Inlaying in a Nitrogen-Doped Carbon Matrix. ChemElectroChem, 2019, 6, 5203-5210.	3.4	11
20	Black Phosphorus/Hollow Porous Carbon for High Rate Performance Lithium-Ion Battery. ChemElectroChem, 2020, 7, 2184-2189.	3.4	11
21	Thermal Stability of Nanocrystalline NiS <sub>2</sub> as High Specific Capacity Thermal Battery Cathode Material. Advanced Engineering Materials, 2020, 22, 2000299.	3.5	10
22	In situ fluorine doped ZrO <sub>2</sub> x nanotubes for efficient visible light photocatalytic activity. Journal of Materials Science: Materials in Electronics, 2019, 30, 701-710.	2.2	9
23	Excellent adsorption capacity and photocatalytic regeneration of nanoparticles-assembled mesoporous Cu <sub>2</sub> O/Bi <sub>2</sub> O <sub>3</sub> composites for removal of methyl orange. Materials Research Express, 2019, 6, 085532.	1.6	8
24	Understanding the Preferred Crystal Orientation of Sputtered Silver in Ar/N <sub>2</sub> Atmosphere: A Microstructure Investigation. Advances in Materials Science and Engineering, 2019, 1-8.	1.8	7
25	Excellent electrochemical performance of flexible NiO thin film as thermal battery cathode. Materials Letters, 2020, 280, 128592.	2.6	7
26	Friction and Wear Behavior of an Ag-Mo Co-Implanted GH4169 Alloy via Ion-Beam-Assisted Bombardment. Coatings, 2017, 7, 191.	2.6	6
27	Enhancement of the Adhesive Strength between Ag Films and Mo Substrate by Ag Implanted via Ion Beam-Assisted Deposition. Materials, 2018, 11, 762.	2.9	6
28	Flexible NiS <sub>2</sub> film as high specific capacity cathode for thermal battery. Journal of Alloys and Compounds, 2022, 900, 163448.	5.5	6
29	Discharge behavior of NiO as thermal battery cathode at ultrahigh temperature. Electrochemistry Communications, 2022, 134, 107185.	4.7	4
30	High Specific Energy Li <sub>7</sub> La <sub>3</sub> Zr <sub>2</sub> O <sub>12</sub> Solid Electrolyte Based Thermal Battery. Journal of the Electrochemical Society, 2021, 168, 120551.	2.9	4
31	Effect of microstructural evolution on mechanical and electrical properties of Ag-Mo thin films. Surface Engineering, 2021, 37, 1143-1154.	2.2	3
32	Preparation of highly-ordered lanthanum hexaboride nanotube arrays and optimizing its field emission property by ion bombardment post-treatment. Journal of Materials Science: Materials in Electronics, 2018, 29, 10008-10015.	2.2	2
33	Architecting micron SiC particles on diamond surface to improve thermal conductivity and stability of Al/diamond composites. Surfaces and Interfaces, 2022, 31, 102019.	3.0	2
34	Wear behavior of Ag implantation GH4169 alloy by ion beam assisted bombardment. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2018, 232, 1561-1568.	1.8	1
35	Interface amorphization improving the mechanical properties of Cu-Ta nanolaminates. Materials Research Express, 2019, 6, 115009.	1.6	1
36	Periodic nano ripple fabricated on diamond and its structure damage repair. Diamond and Related Materials, 2021, 120, 108670.	3.9	1