

Wulin Yang

List of Publications by Year in descending order

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36
papers

681
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516710

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37
all docs

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docs citations

37
times ranked

550
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Discharge behavior of NiO as thermal battery cathode at ultrahigh temperature. <i>Electrochemistry Communications</i> , 2022, 134, 107185.	4.7	4
3	Flexible NiS ₂ film as high specific capacity cathode for thermal battery. <i>Journal of Alloys and Compounds</i> , 2022, 900, 163448.	5.5	6
4	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
5	Architecting micron SiC particles on diamond surface to improve thermal conductivity and stability of Al/diamond composites. <i>Surfaces and Interfaces</i> , 2022, 31, 102019.	3.0	2
6	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
7	Effect of microstructural evolution on mechanical and electrical properties of Ag@Mo thin films. <i>Surface Engineering</i> , 2021, 37, 1143-1154.	2.2	3
8	Periodic nano ripple fabricated on diamond and its structure damage repair. <i>Diamond and Related Materials</i> , 2021, 120, 108670.	3.9	1
9	High Specific Energy Li ₇ La ₃ Zr ₂ O ₁₂ Solid Electrolyte Based Thermal Battery. <i>Journal of the Electrochemical Society</i> , 2021, 168, 120551.	2.9	4
10	Enhanced visible light photocatalytic activity of g-C ₃ N ₄ decorated ZrO _{2-x} nanotubes heterostructure for degradation of tetracycline hydrochloride. <i>Journal of Hazardous Materials</i> , 2020, 384, 121275.	12.4	82
11	Cu ₂ O as a promising cathode with high specific capacity for thermal battery. <i>Journal of Power Sources</i> , 2020, 448, 227569.	7.8	43
12	Thermal Stability of Nanocrystalline NiS ₂ as High Specific Capacity Thermal Battery Cathode Material. <i>Advanced Engineering Materials</i> , 2020, 22, 2000299.	3.5	10
13	Novel NiCl ₂ Nanosheets Synthesized via Chemical Vapor Deposition with High Specific Energy for Thermal Battery. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 34755-34762.	8.0	29
14	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
15	A new cathode material of NiF ₂ for thermal batteries with high specific power. <i>Electrochimica Acta</i> , 2020, 361, 137051.	5.2	25
16	Excellent electrochemical performance of flexible NiO thin film as thermal battery cathode. <i>Materials Letters</i> , 2020, 280, 128592.	2.6	7
17	Shortening activation time of thermal battery by hydrogen etching of NiCl ₂ cathode. <i>Materials Letters</i> , 2020, 275, 128136.	2.6	16
18	High specific energy flexible CuO thin film cathode for thermal batteries. <i>Journal of Power Sources</i> , 2020, 463, 228237.	7.8	23

#	ARTICLE	IF	CITATIONS
19	Black Phosphorus/Hollow Porous Carbon for High Rate Performance Lithium-ion Battery. ChemElectroChem, 2020, 7, 2184-2189.	3.4	11
20	Improved Electrochemical Performance of FeF ₃ by Inlaying in a Nitrogen-Doped Carbon Matrix. ChemElectroChem, 2019, 6, 5203-5210.	3.4	11
21	Effect of surface roughening on the interfacial thermal conductance of diamond/copper composites. Diamond and Related Materials, 2019, 98, 107467.	3.9	29
22	Interface amorphization improving the mechanical properties of Cu-Ta nanolaminates. Materials Research Express, 2019, 6, 115009.	1.6	1
23	Excellent adsorption capacity and photocatalytic regeneration of nanoparticles-assembled mesoporous Cu ₂ O/Bi ₂ O ₃ composites for removal of methyl orange. Materials Research Express, 2019, 6, 085532.	1.6	8
24	Silver nanoparticles decorated 3D reduced graphene oxides as hybrid filler for enhancing thermal conductivity of polystyrene composites. Composites Part A: Applied Science and Manufacturing, 2019, 123, 79-85.	7.6	52
25	Understanding the Preferred Crystal Orientation of Sputtered Silver in Ar/N ₂ Atmosphere: A Microstructure Investigation. Advances in Materials Science and Engineering, 2019, 2019, 1-8.	1.8	7
26	In situ fluorine doped ZrO _{2-x} nanotubes for efficient visible light photocatalytic activity. Journal of Materials Science: Materials in Electronics, 2019, 30, 701-710.	2.2	9
27	Regulating interface adhesion and enhancing thermal conductivity of diamond/copper composites by ion beam bombardment and following surface metallization pretreatment. Journal of Alloys and Compounds, 2018, 740, 1060-1066.	5.5	33
28	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
29	Overcoming selective interfacial bonding and enhancing thermal conductivity of diamond/aluminum composite by an ion bombardment pretreatment. Diamond and Related Materials, 2018, 81, 127-132.	3.9	18
30	A hierarchical carbon modified nano-Ni ₂ cathode with high thermal stability for a high energy thermal battery. Journal of Materials Chemistry A, 2018, 6, 7123-7132.	10.3	48
31	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
32	Excellent Tribological Properties of Lower Reduced Graphene Oxide Content Copper Composite by Using a One-Step Reduction Molecular-Level Mixing Process. Materials, 2018, 11, 600.	2.9	29
33	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
34	The acceleration intermediate phase (NiS and Ni ₃ S ₂) evolution by nanocrystallization in Li/NiS ₂ thermal batteries with high specific capacity. Journal of Power Sources, 2017, 352, 83-89.	7.8	48
35	Friction and Wear Behavior of an Ag-Mo Co-Implanted GH4169 Alloy via Ion-Beam-Assisted Bombardment. Coatings, 2017, 7, 191.	2.6	6
36	Enhanced thermal conductivity and stability of diamond/aluminum composite by introduction of carbide interface layer. Diamond and Related Materials, 2014, 46, 35-41.	3.9	29