Jian Wei

List of Publications by Year
in descending order

28	630	687363 13	580821 25
papers	citations	h-index	g-index

28	28	28	291
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enhanced thermoelectric properties of cement-based composites with expanded graphite for climate adaptation and large-scale energy harvesting. Energy and Buildings, 2018, 159, 66-74.	6.7	79
2	Enhanced thermoelectric properties of carbon fiber reinforced cement composites. Ceramics International, 2016, 42, 11568-11573.	4.8	63
3	Thermoelectric properties of carbon nanotube reinforced cement-based composites fabricated by compression shear. Ceramics International, 2018, 44, 5829-5833.	4.8	60
4	Energy harvesting from solar irradiation in cities using the thermoelectric behavior of carbon fiber reinforced cement composites. RSC Advances, 2014, 4, 48128-48134.	3.6	59
5	Enhanced thermoelectric effect of carbon fiber reinforced cement composites by metallic oxide/cement interface. Ceramics International, 2014, 40, 8261-8263.	4.8	51
6	Effect of moisture on the thermoelectric properties in expanded graphite/carbon fiber cement composites. Ceramics International, 2017, 43, 10763-10769.	4.8	43
7	Effect of porosity and crack on the thermoelectric properties of expanded graphite/carbon fiber reinforced cementâ€based composites. International Journal of Energy Research, 2020, 44, 6885-6893.	4.5	24
8	Enhanced thermoelectric performance of low carbon cement-based composites by reduced graphene oxide. Energy and Buildings, 2021, 250, 111279.	6.7	24
9	Photoluminescence property of inexpensive flexible SiC nanowires membrane by electrospinning and carbothermal reduction. Journal of the American Ceramic Society, 2020, 103, 6187-6197.	3.8	22
10	Dramatically Improved Thermoelectric Properties by Defect Engineering in Cement-Based Composites. ACS Applied Materials & Interfaces, 2021, 13, 3919-3929.	8.0	20
11	Multifunctional Co9S8 nanotubes for high-performance lithium-sulfur batteries. Journal of Electroanalytical Chemistry, 2019, 837, 184-190.	3.8	18
12	Thermoelectric Power of Carbon Fiber Reinforced Cement Composites Enhanced by Ca₃Co₄O₉. Applied Mechanics and Materials, 0, 320, 354-357.	0.2	16
13	Boosting power factor of thermoelectric cementitious composites by a unique CNT pretreatment process with low carbon content. Energy and Buildings, 2022, 254, 111617.	6.7	16
14	Enhanced electrochemical performance of cobalt oxide layers coated LiNi0.8Co0.1Mn0.1O2 by polyvinylpyrrolidone-assisted method cathode for Li-ion batteries. Journal of Colloid and Interface Science, 2022, 616, 520-531.	9.4	16
15	Synthesis and Growth Mechanism of <scp><scp>SiC</scp></scp>/<scp><scp>SiO</scp></scp>₂ Nanochains Heterostructure by Catalystâ€Free Chemical Vapor Deposition. Journal of the American Ceramic Society, 2013, 96, 627-633.	3.8	15
16	Hollow C/Co9S8 hybrid polyhedra-modified carbon nanofibers as sulfur hosts for promising Liâ€“S batteries. Ceramics International, 2021, 47, 25387-25397.	4.8	13
17	Record high thermoelectric performance of expanded graphite/carbon fiber cement composites enhanced by ionic liquid 1-butyl-3-methylimidazolium bromide for building energy harvesting. Journal of Materials Chemistry C, 2021, 9, 3682-3691.	5.5	12
18	Optimized Nanopores Opened on N-Doped Carbon Nanohorns Filled with Fe/Fe₂O₃ Nanoparticles as Advanced Electrocatalysts for the Oxygen Evolution Reaction. Inorganic Chemistry, 2021, 60, 16529-16537.	4.0	12

#	Article	IF	Citations
19	Synergy of reduced graphene oxide and metal oxides improves the power factor of thermoelectric cement matrix composites. Fullerenes Nanotubes and Carbon Nanostructures, 2022, 30, 801-813.	2.1	10
20	Recent advances in thermoelectric technology to harvest energy from the pavement. International Journal of Energy Research, 2022, 46, 10453-10474.	4.5	10
21	Synergistic optimization of thermoelectric performance in cementitious composites by lithium carbonate and carbon nanotubes. International Journal of Energy Research, 2021, 45, 2460-2473.	4.5	9
22	Enhanced thermoelectric properties of cement-based composites by Cl₂/HNO₃ pretreatment of graphene. Fullerenes Nanotubes and Carbon Nanostructures, 2021, 29, 982-990.	2.1	9
23	High Enhanced Efficiency and Mechanism of Ultraâ€Long SiC Nanowires in Composites. Advanced Engineering Materials, 2015, 17, 539-544.	3.5	8
24	Microwave Absorption Properties of Uniform Ultra-Long SiC Nanowires. Journal of Nanoscience and Nanotechnology, 2018, 18, 1224-1231.	0.9	7
25	Controllable Synthesis of Mo₃C₂ Encapsulated by N-Doped Carbon Microspheres to Achieve Highly Efficient Microwave Absorption at Full Wavebands: From Lemon-like to Fig-like Morphologies. Inorganic Chemistry, 2022, 61, 6281-6294.	4.0	7
26	Nitrogen-doped SiC/SiOx nanowire heterostructure synthesized by pyrolysis deposition of phthalocyanine derivative. Ceramics International, 2018, 44, 20375-20379.	4.8	6
27	Porous carbon/Co₃S₄ hollow polyhedron as sulfur carrier to enhance cyclic stability for lithium-sulfur batteries. Fullerenes Nanotubes and Carbon Nanostructures, 2022, 30, 392-403.	2.1	1
28	Alumina Nano-Wires and Nano-Belts Fabricated by an Effective Chemical Etching of PAA Template. Applied Mechanics and Materials, 0, 320, 363-368.	0.2	0