

Wei Zhou

List of Publications by Year in descending order

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88
papers

3,278
citations

136950

32
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docs citations

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times ranked

3169
citing authors

#	ARTICLE	IF	CITATIONS
1	Porous Graphitic Carbon Nanosheets Derived from Cornstalk Biomass for Advanced Supercapacitors. <i>ChemSusChem</i> , 2013, 6, 880-889.	6.8	257
2	Microwave absorption properties and mechanism of cage-like ZnO@SiO ₂ nanocomposites. <i>Applied Physics Letters</i> , 2007, 91, .	3.3	249
3	Ultra-thin and highly flexible cellulose nanofiber/silver nanowire conductive paper for effective electromagnetic interference shielding. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020, 135, 105960.	7.6	144
4	Hydrazine-Linked Convergent Self-Assembly of Sophisticated Concave Polyhedrons of Ni(OH) ₂ and NiO from Nanoplate Building Blocks. <i>Journal of the American Chemical Society</i> , 2009, 131, 2959-2964.	13.7	137
5	Electrospun fibrous materials and their applications for electromagnetic interference shielding: A review. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021, 143, 106309.	7.6	130
6	Silicon carbide nano-fibers in-situ grown on carbon fibers for enhanced microwave absorption properties. <i>Ceramics International</i> , 2017, 43, 5628-5634.	4.8	117
7	Preparation and electrochemical properties of nanocable-like Nb ₂ O ₅ /surface-modified carbon nanotubes composites for anode materials in lithium ion batteries. <i>Electrochimica Acta</i> , 2017, 246, 1088-1096.	5.2	99
8	Carbon fiber/Si ₃ N ₄ composites with SiC nanofiber interphase for enhanced microwave absorption properties. <i>Ceramics International</i> , 2017, 43, 12328-12332.	4.8	88
9	Enhanced high-temperature dielectric properties and microwave absorption of SiC nanofibers modified Si ₃ N ₄ ceramics within the gigahertz range. <i>Ceramics International</i> , 2018, 44, 12301-12307.	4.8	85
10	Rational design of multi-shell hollow carbon submicrospheres for high-performance microwave absorbers. <i>Carbon</i> , 2021, 175, 233-242.	10.3	85
11	Porous carbons derived from microalgae with enhanced electrochemical performance for lithium-ion batteries. <i>Electrochimica Acta</i> , 2016, 194, 10-16.	5.2	82
12	Microwave synthesis of Al-doped SiC powders and study of their dielectric properties. <i>Materials Research Bulletin</i> , 2010, 45, 247-250.	5.2	80
13	Bean-dreg-derived carbon materials used as superior anode material for lithium-ion batteries. <i>Electrochimica Acta</i> , 2016, 222, 551-560.	5.2	68
14	Folded-hand silicon/carbon three-dimensional networks as a binder-free advanced anode for high-performance lithium-ion batteries. <i>Chemical Engineering Journal</i> , 2018, 353, 666-678.	12.7	66
15	High-temperature electromagnetic wave absorption properties of C _f /SiCNFs/Si ₃ N ₄ composites. <i>Journal of the American Ceramic Society</i> , 2020, 103, 6822-6832.	3.8	66
16	Controllable preparation of highly uniform CuCo ₂ S ₄ materials as battery electrode for energy storage with enhanced electrochemical performances. <i>Electrochimica Acta</i> , 2017, 249, 64-71.	5.2	61
17	Mechanical and electromagnetic wave absorption properties of C _f -Si ₃ N ₄ ceramics with PyC/SiC interphases. <i>Journal of Materials Science and Technology</i> , 2019, 35, 2809-2813.	10.7	53
18	Fatigue behavior and residual strength evolution of 2.5D C/C-SiC composites. <i>Journal of the European Ceramic Society</i> , 2016, 36, 3977-3985.	5.7	52

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19	Microstructures, dielectric response and microwave absorption properties of polycarbosilane derived SiC powders. <i>Ceramics International</i> , 2018, 44, 3606-3613.	4.8	52
20	A low-cost SPEEK-K type membrane for neutral aqueous zinc-iron redox flow battery. <i>Surface and Coatings Technology</i> , 2019, 358, 190-194.	4.8	50
21	LiFePO ₄ /C ultra-thin nano-flakes with ultra-high rate capability and ultra-long cycling life for lithium ion batteries. <i>Journal of Alloys and Compounds</i> , 2018, 749, 1063-1070.	5.5	46
22	Facile preparation of CNTs microspheres as improved carbon absorbers for high-efficiency electromagnetic wave absorption. <i>Ceramics International</i> , 2021, 47, 10013-10018.	4.8	46
23	Dielectric properties of BN modified carbon fibers by dip-coating. <i>Ceramics International</i> , 2013, 39, 6569-6576.	4.8	42
24	Mechanical behavior of LSI based C/C-SiC composites subjected to flexural loadings. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017, 95, 315-324.	7.6	41
25	Nitrogen/sulfur co-doped ordered carbon nanoarrays for superior sulfur hosts in lithium-sulfur batteries. <i>Journal of Colloid and Interface Science</i> , 2019, 554, 711-721.	9.4	41
26	Comparison in dielectric and microwave absorption properties of SiC coated carbon fibers with PyC and BN interphases. <i>Surface and Coatings Technology</i> , 2019, 359, 272-277.	4.8	41
27	In-situ synthesis of ternary layered Y ₃ Si ₂ C ₂ ceramic on silicon carbide fiber for enhanced electromagnetic wave absorption. <i>Ceramics International</i> , 2022, 48, 1908-1915.	4.8	41
28	Box-implanted Nb ₂ O ₅ nanorods as superior anode materials in lithium ion batteries. <i>Ceramics International</i> , 2017, 43, 12388-12395.	4.8	37
29	Microstructure and properties of plain-weave carbon fabric reinforced ceramic composites containing Cu-Si alloy. <i>Composites Part B: Engineering</i> , 2018, 145, 129-135.	12.0	37
30	Microstructural evolution of SiC coating on C/C composites exposed to 1500°C in ambient air. <i>Ceramics International</i> , 2019, 45, 854-860.	4.8	37
31	Dielectric response and electromagnetic wave absorption of novel macroporous short carbon fibers/mullite composites. <i>Journal of the American Ceramic Society</i> , 2020, 103, 6869-6880.	3.8	37
32	Preparation and study on microwave absorbing materials of boron nitride coated pyrolytic carbon particles. <i>Applied Surface Science</i> , 2012, 258, 8455-8459.	6.1	35
33	Scalable and controllable synthesis of multi-shell hollow carbon microspheres for high-performance supercapacitors. <i>Carbon</i> , 2019, 154, 330-341.	10.3	34
34	Damage analysis of 2.5D C/C-SiC composites subjected to fatigue loadings. <i>Journal of the European Ceramic Society</i> , 2019, 39, 2244-2250.	5.7	30
35	Urchin-shaped Nb ₂ O ₅ microspheres synthesized by the facile hydrothermal method and their lithium storage performance. <i>Materials Letters</i> , 2016, 167, 106-108.	2.6	29
36	LiFePO ₄ /carbon nanowires with 3D nano-network structure as potential high performance cathode for lithium ion batteries. <i>Electrochimica Acta</i> , 2016, 191, 23-28.	5.2	28

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37	Rambutan-like Nb ₂ O ₅ @SHCs microspheres for improved microwave absorption performance. <i>Composites Communications</i> , 2021, 24, 100643.	6.3	27
38	Strength evolution of cyclic loaded LSI-based C/C-SiC composites. <i>Ceramics International</i> , 2016, 42, 14505-14510.	4.8	26
39	Hydrothermal Synthesis of Nanoflake-Assembled (Ni _{0.5} Co _{0.5}) _{0.85} Se Microspheres as the Cathode and Reduced Graphene Oxide/Porous Fe ₂ O ₃ Nanospheres Composite as the Anode for Novel Alkaline Aqueous Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 561-572.	6.7	26
40	Microstructure and properties of Cu-Ti alloy infiltrated chopped Cf reinforced ceramics composites. <i>Ceramics International</i> , 2017, 43, 16628-16637.	4.8	25
41	SiC nanofibers modified Si ₃ N ₄ ceramics for improved electromagnetic interference shielding in X-band. <i>Ceramics International</i> , 2018, 44, 2249-2254.	4.8	25
42	Mechanical properties of CVD-SiC coatings with Si impurity. <i>Ceramics International</i> , 2018, 44, 21730-21733.	4.8	25
43	Mechanical and Microwave Absorption Properties of Si ₃ N ₄ Ceramic with SiCNFs Fillers. <i>Advanced Engineering Materials</i> , 2019, 21, 1800665.	3.5	25
44	Tensile fatigue behavior of plain-weave reinforced C f /Câ€“SiC composites. <i>Ceramics International</i> , 2016, 42, 6850-6857.	4.8	24
45	Oxidation behavior of C/C composites with SiC/ZrSiO ₄ â€“SiO ₂ coating. <i>Transactions of Nonferrous Metals Society of China</i> , 2017, 27, 397-405.	4.2	24
46	Preparation and electrochemical performance of LiFePO ₄ /C microspheres by a facile and novel co-precipitation. <i>Electrochimica Acta</i> , 2015, 167, 172-178.	5.2	22
47	LPCVD-based SiO ₂ /SiC multi-layers coating on graphite for improved anti-oxidation at wide-ranged temperatures. <i>Composites Part B: Engineering</i> , 2018, 146, 155-164.	12.0	22
48	Nb ₂ O ₅ nanospheres/surface-modified graphene composites as superior anode materials in lithium ion batteries. <i>Ceramics International</i> , 2017, 43, 6232-6238.	4.8	20
49	Preparation and microwave absorbing properties of carbon fibers/epoxy composites with grid structure. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 651-658.	2.2	19
50	The anti-oxidation behavior and infrared emissivity property of SiC/ZrSiO ₄ â€“SiO ₂ coating. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 5433-5440.	2.2	17
51	Graphene-Like Carbon Derived from Macadamia Nut Shells for High-Performance Supercapacitor. <i>Russian Journal of Electrochemistry</i> , 2019, 55, 242-246.	0.9	17
52	Electromagnetic wave absorbing performance of multiphase (SiC/HfC/C)/SiO ₂ nanocomposites with an unique microstructure. <i>Journal of the European Ceramic Society</i> , 2021, 41, 2425-2434.	5.7	17
53	Modeling for the electromagnetic properties and EMI shielding of Cf/mullite composites in the gigahertz range. <i>Journal of the European Ceramic Society</i> , 2020, 40, 3423-3430.	5.7	16
54	Boron nitride (BN) and BN based multiple-layer interphase for SiCf/SiC composites: A review. <i>Ceramics International</i> , 2022, 48, 34107-34127.	4.8	16

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55	Bio-templated fabrication of chain-spherical V ₂ O ₅ /C composites from dandelion fiber for high-efficiency electromagnetic wave absorption. <i>Vacuum</i> , 2022, 195, 110683.	3.5	15
56	Microstructures and tribological properties of carbon/carbon-boron nitride composites fabricated by powdered additives and chemical vapor infiltration. <i>Ceramics International</i> , 2017, 43, 7607-7617.	4.8	14
57	Hot deformation behavior of Al-9.0Mg-0.5Mn-0.1Ti alloy based on processing maps. <i>Transactions of Nonferrous Metals Society of China</i> , 2017, 27, 289-297.	4.2	14
58	Enhanced electromagnetic shielding property of cf/mullite composites fabricated by spark plasma sintering. <i>Ceramics International</i> , 2019, 45, 18988-18993.	4.8	13
59	Improved microwave absorption properties of polycarbosilane-derived SiC core-shell particles by oxidation. <i>Journal of Alloys and Compounds</i> , 2019, 786, 409-417.	5.5	13
60	Mechanical response and microstructure of 2D carbon fiber reinforced CMCs containing Cu-Si alloy exposed to fatigue stresses. <i>Composites Part B: Engineering</i> , 2019, 160, 76-83.	12.0	13
61	Multiple dielectric behavior of Cf-SiCNFs/Si ₃ N ₄ ceramic composite at high temperatures. <i>Ceramics International</i> , 2021, 47, 4127-4134.	4.8	13
62	Preparation and dielectric properties of Si ₃ N ₄ /SiCw composite ceramic. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 4088-4094.	2.2	12
63	Froggg-like Li ₃ V ₂ (PO ₄) ₃ /carbon composite with three dimensional porous structure and its improved electrochemical performance in lithium ion batteries. <i>Materials Letters</i> , 2017, 204, 104-107.	2.6	11
64	Biomass carbon materials derived from macadamia nut shells for high-performance supercapacitors. <i>Bulletin of Materials Science</i> , 2018, 41, 1.	1.7	11
65	Interaction of Yb ₂ Si ₂ O ₇ environmental barrier coating material with Calcium-Ferrum-Alumina-Silicate (CFAS) at high temperature. <i>Ceramics International</i> , 2021, 47, 31625-31637.	4.8	11
66	Selective preparation of graphene- and rope-like NanoCarbons from camellia wastes as high performance electrode materials for energy storage. <i>Journal of Alloys and Compounds</i> , 2019, 811, 151616.	5.5	10
67	Fiber orientation dependence of tribological behavior of short carbon fiber reinforced ceramic matrix composites. <i>Journal of the American Ceramic Society</i> , 2022, 105, 538-552.	3.8	10
68	Li ₃ V ₂ (PO ₄) ₃ /C composite with hollow coaxial structure for high-capacity and high-rate performance in lithium-ion batteries. <i>Materials Letters</i> , 2018, 216, 46-49.	2.6	9
69	Dielectric response and microwave absorption properties of SiC whisker-coated carbon fibers. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 15075-15083.	2.2	9
70	Microwave Absorbing Properties of Carbon Fibers Modified with BN/SiC Composite Coatings. <i>Wuji Cailiao Xuebao/Journal of Inorganic Materials</i> , 2014, 29, 1093.	1.3	9
71	Hierarchical porous LiFePO ₄ /Carbon composite electrodes for lithium-ion batteries. <i>Materials Technology</i> , 2017, 32, 203-209.	3.0	8
72	Porous carbons derived from tea-seed shells and their improved electrochemical performance in lithium-ion batteries and supercapacitors. <i>Materials Technology</i> , 2018, 33, 443-450.	3.0	8

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73	Investigation on Electromagnetic Wave Absorption of SiCw/Si ₃ N ₄ Composites Exposed to Short-Time Oxidation. Journal of Nanoscience and Nanotechnology, 2020, 20, 1859-1865.	0.9	7
74	Nitrogen/sulfur co-doping for biomass carbon foam as superior sulfur hosts for lithium-sulfur batteries. International Journal of Energy Research, 2022, 46, 10606-10619.	4.5	7
75	Seed-induced synthesis of flower-like a Li ₃ V ₂ (PO ₄) ₃ /carbon composite and its application in lithium-ion batteries. Journal of Alloys and Compounds, 2018, 766, 54-65.	5.5	6
76	Synthesis of Hollow Carbon Microspheres with Tunable Shell Numbers for High-Performance Anode Material in Lithium-Ion Batteries. Journal of Nanoscience and Nanotechnology, 2020, 20, 4899-4906.	0.9	6
77	Preparation of Nb ₂ O ₅ with an air filter-like structure and its excellent electrochemical performance in supercapacitors. Journal of Alloys and Compounds, 2019, 802, 668-674.	5.5	5
78	Microstructure and corrosion behavior of in-situ grown Y ₃ Si ₂ C ₂ coated SiC fibers exposed to air and wet-oxygen at 1400°C. Journal of the European Ceramic Society, 2022, 42, 3427-3436.	5.7	5
79	Microwave absorption properties of SiO ₂ doped furan resin derived carbon particles. Journal of Materials Science: Materials in Electronics, 2019, 30, 3359-3364.	2.2	4
80	Facile Synthesis of Tremella-Like V ₂ O ₅ Microspheres and Their Application as Cathode Materials in Lithium Ion Batteries. Journal of Nanoscience and Nanotechnology, 2019, 19, 194-198.	0.9	4
81	Facile synthesis of wool-spherical CNTs microspheres/Nb ₂ O ₅ composites for efficient electromagnetic wave absorption. Synthetic Metals, 2022, 283, 116982.	3.9	4
82	Synthesis and Microwave Absorbing Properties of PyC/BN Composite Powders. Wuji Cailiao Xuebao/Journal of Inorganic Materials, 2013, 28, 479-484.	1.3	3
83	Improved mechanical properties and toughening mechanism of mullite ceramics reinforced by introducing Ti ₃ AlC ₂ particles. International Journal of Applied Ceramic Technology, 2022, 19, 1650-1658.	2.1	3
84	Study on Hypervelocity Impact Characteristics of Ti/Al/Mg Density-Graded Materials. Metals, 2020, 10, 697.	2.3	2
85	Multi-scale modeling for frequency-dependent dielectric responses of non-uniform porous carbon fiber/mullite composites. International Journal of Applied Ceramic Technology, 0, , .	2.1	2
86	Flower-like C@V ₂ O ₅ microspheres as highly electrochemically active cathode in aqueous zinc-ion batteries. Materials Express, 2020, 10, 1697-1703.	0.5	1
87	Mechanism of Microwave Dielectric Response in Laminated C ₃ N ₄ /Si ₃ N ₄ /N ₄ C ₃ Composites. Wuji Cailiao Xuebao/Journal of Inorganic Materials, 2017, 32, 86.	1.3	0
88	Facile Synthesis of Tremella-Like Li ₃ V ₂ (PO ₄) ₃ /C Composite Cathode Materials Based on Oroxylum for Use in Lithium-Ion Batteries. Journal of Nanoscience and Nanotechnology, 2020, 20, 1962-1967.	0.9	0