

# Wei Zhou

## List of Publications by Year in descending order

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88  
papers

3,278  
citations

136950

32  
h-index

155660

55  
g-index

89  
all docs

89  
docs citations

89  
times ranked

3169  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	In-situ synthesis of ternary layered Y3Si2C2 ceramic on silicon carbide fiber for enhanced electromagnetic wave absorption. <i>Ceramics International</i> , 2022, 48, 1908-1915.	4.8	41
3	Bio-templated fabrication of chain-spherical V2O5/C composites from dandelion fiber for high-efficiency electromagnetic wave absorption. <i>Vacuum</i> , 2022, 195, 110683.	3.5	15
4	Facile synthesis of wool-spherical CNTs microspheres/Nb2O5 composites for efficient electromagnetic wave absorption. <i>Synthetic Metals</i> , 2022, 283, 116982.	3.9	4
5	Microstructure and corrosion behavior of in-situ grown Y3Si2C2 coated SiC fibers exposed to air and wet-oxygen at 1400Å,,f. <i>Journal of the European Ceramic Society</i> , 2022, 42, 3427-3436.	5.7	5
6	Nitrogen/sulfur coâ€doping for biomass carbon foam as superior sulfur hosts for lithiumâ€sulfur batteries. <i>International Journal of Energy Research</i> , 2022, 46, 10606-10619.	4.5	7
7	Improved mechanical properties and toughening mechanism of mullite ceramics reinforced by introducing Ti<sub>3</sub>AlC<sub>2</sub> particles. <i>International Journal of Applied Ceramic Technology</i> , 2022, 19, 1650-1658.	2.1	3
8	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
9	Multiple dielectric behavior of Cf-SiCNFs/Si3N4 ceramic composite at high temperatures. <i>Ceramics International</i> , 2021, 47, 4127-4134.	4.8	13
10	Electromagnetic wave absorbing performance of multiphase (SiC/HfC/C)/SiO2 nanocomposites with an unique microstructure. <i>Journal of the European Ceramic Society</i> , 2021, 41, 2425-2434.	5.7	17
11	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
12	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
13	Rambutan-like Nb2O5@SHCs microspheres for improved microwave absorption performance. <i>Composites Communications</i> , 2021, 24, 100643.	6.3	27
14	Rational design of multi-shell hollow carbon submicrospheres for high-performance microwave absorbers. <i>Carbon</i> , 2021, 175, 233-242.	10.3	85
15	Interaction of Yb2Si2O7 environmental barrier coating material with Calcium-Ferrum-Alumina-Silicate (CFAS) at high temperature. <i>Ceramics International</i> , 2021, 47, 31625-31637.	4.8	11
16	Hydrothermal Synthesis of Nanoflake-Assembled (Ni<sub>0.5</sub>Co<sub>0.5</sub>)<sub>0.85</sub>Se Microspheres as the Cathode and Reduced Graphene Oxide/Porous Fe<sub>2</sub>O<sub>3</sub> Nanospheres Composite as the Anode for Novel Alkaline Aqueous Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 561-572.	6.7	26
17	Investigation on Electromagnetic Wave Absorption of SiCw/Si<sub>3</sub>N<sub>4</sub> Composites Exposed to Short-Time Oxidation. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 1859-1865.	0.9	7
18	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

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19	High-temperature electromagnetic wave absorption properties of C <sub>f</sub> /SiCNFs/Si <sub>3</sub> N <sub>4</sub> composites. <i>Journal of the American Ceramic Society</i> , 2020, 103, 6822-6832.	3.8	66
20	Flower-like C@V <sub>2</sub> O <sub>5</sub> microspheres as highly electrochemically active cathode in aqueous zinc-ion batteries. <i>Materials Express</i> , 2020, 10, 1697-1703.	0.5	1
21	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
22	Study on Hypervelocity Impact Characteristics of Ti/Al/Mg Density-Graded Materials. <i>Metals</i> , 2020, 10, 697.	2.3	2
23	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
24	Synthesis of Hollow Carbon Microspheres with Tunable Shell Numbers for High-Performance Anode Material in Lithium-Ion Batteries. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 4899-4906.	0.9	6
25	Facile Synthesis of Tremella-Like Li <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /C Composite Cathode Materials Based on Oroxylum for Use in Lithium-Ion Batteries. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 1962-1967.	0.9	0
26	Scalable and controllable synthesis of multi-shell hollow carbon microspheres for high-performance supercapacitors. <i>Carbon</i> , 2019, 154, 330-341.	10.3	34
27	Mechanical and electromagnetic wave absorption properties of Cf-Si <sub>3</sub> N <sub>4</sub> ceramics with PyC/SiC interphases. <i>Journal of Materials Science and Technology</i> , 2019, 35, 2809-2813.	10.7	53
28	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
29	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
30	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
31	Microwave absorption properties of SiO <sub>2</sub> doped furan resin derived carbon particles. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 3359-3364.	2.2	4
32	Preparation of Nb <sub>2</sub> O <sub>5</sub> with an air filter-like structure and its excellent electrochemical performance in supercapacitors. <i>Journal of Alloys and Compounds</i> , 2019, 802, 668-674.	5.5	5
33	Enhanced electromagnetic shielding property of cf/mullite composites fabricated by spark plasma sintering. <i>Ceramics International</i> , 2019, 45, 18988-18993.	4.8	13
34	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
35	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
36	Mechanical and Microwave Absorption Properties of Si <sub>3</sub> N <sub>4</sub> Ceramic with SiCNFs Fillers. <i>Advanced Engineering Materials</i> , 2019, 21, 1800665.	3.5	25

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37	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
38	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
39	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
40	Facile Synthesis of Tremella-Like $V_2O_5$ Microspheres and Their Application as Cathode Materials in Lithium Ion Batteries. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 194-198.	0.9	4
41	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
42	Microstructural evolution of SiC coating on C/C composites exposed to 1500 $\text{\AA}$ °C in ambient air. <i>Ceramics International</i> , 2019, 45, 854-860.	4.8	37
43	Enhanced high-temperature dielectric properties and microwave absorption of SiC nanofibers modified Si <sub>3</sub> N <sub>4</sub> ceramics within the gigahertz range. <i>Ceramics International</i> , 2018, 44, 12301-12307.	4.8	85
44	SiC nanofibers modified Si <sub>3</sub> N <sub>4</sub> ceramics for improved electromagnetic interference shielding in X-band. <i>Ceramics International</i> , 2018, 44, 2249-2254.	4.8	25
45	Li <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /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
46	LiFePO <sub>4</sub> /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
47	LPCVD-based SiO <sub>2</sub> /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	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
49	Microstructures, dielectric response and microwave absorption properties of polycarbosilane derived SiC powders. <i>Ceramics International</i> , 2018, 44, 3606-3613.	4.8	52
50	Biomass carbon materials derived from macadamia nut shells for high-performance supercapacitors. <i>Bulletin of Materials Science</i> , 2018, 41, 1.	1.7	11
51	Mechanical properties of CVD-SiC coatings with Si impurity. <i>Ceramics International</i> , 2018, 44, 21730-21733.	4.8	25
52	Seed-induced synthesis of flower-like a Li <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> /carbon composite and its application in lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2018, 766, 54-65.	5.5	6
53	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
54	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	Tensile fatigue behavior of plain-weave reinforced C f /Câ€“SiC composites. <i>Ceramics International</i> , 2016, 42, 6850-6857.	4.8	24
74	Porous carbons derived from microalgae with enhanced electrochemical performance for lithium-ion batteries. <i>Electrochimica Acta</i> , 2016, 194, 10-16.	5.2	82
75	LiFePO4/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
76	Preparation and electrochemical performance of LiFePO4/C microspheres by a facile and novel co-precipitation. <i>Electrochimica Acta</i> , 2015, 167, 172-178.	5.2	22
77	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
78	The anti-oxidation behavior and infrared emissivity property of SiC/ZrSiO4â€“SiO2 coating. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 5433-5440.	2.2	17
79	Preparation and dielectric properties of Si3N4/SiCw composite ceramic. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 4088-4094.	2.2	12
80	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
81	Dielectric properties of BN modified carbon fibers by dip-coating. <i>Ceramics International</i> , 2013, 39, 6569-6576.	4.8	42
82	Porous Graphitic Carbon Nanosheets Derived from Cornstalk Biomass for Advanced Supercapacitors. <i>ChemSusChem</i> , 2013, 6, 880-889.	6.8	257
83	Synthesis and Microwave Absorbing Properties of PyC/BN Composite Powders. <i>Wuji Cailiao Xuebao/Journal of Inorganic Materials</i> , 2013, 28, 479-484.	1.3	3
84	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
85	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
86	Hydrazine-Linked Convergent Self-Assembly of Sophisticated Concave Polyhedrons of $\text{Ni}(\text{OH})_2$ and NiO from Nanoplate Building Blocks. <i>Journal of the American Chemical Society</i> , 2009, 131, 2959-2964.	13.7	137
87	Microwave absorption properties and mechanism of cage-like ZnOâ€“SiO2 nanocomposites. <i>Applied Physics Letters</i> , 2007, 91, .	3.3	249
88	Multi-scale modeling for frequency-dependent dielectric responses of non-uniform porous carbon fiber/mullite composites. <i>International Journal of Applied Ceramic Technology</i> , 0, , .	2.1	2