

Xiaoyan Wang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Self-Templating Construction of 3D Hierarchical Macro-/Mesoporous Silicon from OD Silica Nanoparticles. ACS Nano, 2017, 11, 889-899.	14.6	100
2	Si/Ag/C Nanohybrids with <i>in Situ</i> Incorporation of Super-Small Silver Nanoparticles: Tiny Amount, Huge Impact. ACS Nano, 2018, 12, 861-875.	14.6	67
3	Scalable <i>in Situ</i> Synthesis of Li ₄ Ti ₅ O ₁₂ /Carbon Nanohybrid with Supersmall Li ₄ Ti ₅ O ₁₂ Nanoparticles Homogeneously Embedded in Carbon Matrix. ACS Applied Materials & Interfaces, 2018, 10, 2591-2602.	8.0	47
4	Silicon Oxycarbide/Carbon Nanohybrids with Tiny Silicon Oxycarbide Particles Embedded in Free Carbon Matrix Based on Photoactive Dental Methacrylates. ACS Applied Materials & Interfaces, 2016, 8, 13982-13992.	8.0	36
5	Dental Resin Monomer Enables Unique NbO ₂ /Carbon Lithium-Ion Battery Negative Electrode with Exceptional Performance. Advanced Functional Materials, 2019, 29, 1904961.	14.9	26
6	Characteristics of water isotopes and hydrograph separation during the spring flood period in Yushugou River basin, Eastern Tianshans, China. Journal of Earth System Science, 2015, 124, 115-124.	1.3	24
7	Microporous Binder for the Silicon-Based Lithium-Ion Battery Anode with Exceptional Rate Capability and Improved Cyclic Performance. Langmuir, 2020, 36, 2003-2011.	3.5	22
8	Mesoporous GeO _x /Ge/C as a Highly Reversible Anode Material with High Specific Capacity for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2020, 12, 47002-47009.	8.0	18
9	Poly(siloxane imide) Binder for Silicon-Based Lithium-Ion Battery Anodes via Rigidity/Softness Coupling. Chemistry - an Asian Journal, 2020, 15, 2674-2680.	3.3	17
10	MnO/Metal/Carbon Nanohybrid Lithium-Ion Battery Anode With Enhanced Electrochemical Performance: Universal Facile Scalable Synthesis and Fundamental Understanding. Advanced Materials Interfaces, 2019, 6, 1900335.	3.7	14
11	Role of Nickel Nanoparticles in High-Performance TiO ₂ /Ni/Carbon Nanohybrid Lithium/Sodium-Ion Battery Anodes. Chemistry - an Asian Journal, 2019, 14, 1557-1569.	3.3	13
12	SnO ₂ /Sn/Carbon nanohybrid lithium-ion battery anode with high reversible capacity and excellent cyclic stability. Nano Select, 2021, 2, 642-653.	3.7	10
13	Impact of CO ₂ activation on the structure, composition, and performance of Sb/C nanohybrid lithium/sodium-ion battery anodes. Nanoscale Advances, 2021, 3, 1942-1953.	4.6	9
14	Template-free synthesis of titania architectures with controlled morphology evolution. Journal of Materials Science, 2016, 51, 3941-3956.	3.7	8
15	Solvothermal synthesis of hierarchical Eu ₂ O ₃ nanostructures templated by PS- <i>b</i> -PMAA: morphology control via simple variation of water contents. Journal of Materials Chemistry A, 2015, 3, 5789-5793.	10.3	7
16	Novel double-band input coupler for gyrokystron and gyro-TWT. AIP Advances, 2021, 11, .	1.3	7
17	Porous titania/carbon hybrid microspheres templated by <i>in situ</i> formed polystyrene colloids. Journal of Colloid and Interface Science, 2016, 469, 242-256.	9.4	5
18	Mutual Performance Enhancement within Dual N-doped TiO ₂ /Si/C Nanohybrid Lithium-Ion Battery Anode. ChemistrySelect, 2021, 6, 141-153.	1.5	5

#	ARTICLE	IF	CITATIONS
19	Analysis of the Small Signal Gain of a Sheet Beam BWO With a Partially Dielectric-Loaded Nonuniform Grating. IEEE Transactions on Electron Devices, 2019, 66, 4022-4028.	3.0	4
20	In Situ Incorporation of Super-small Metallic High Capacity Nanoparticles and Mesoporous Structures for High Performance TiO ₂ /SnO ₂ /Sn/Carbon Nanohybrid Lithium-ion Battery Anodes. Energy Technology, 2020, 8, 2000034.	3.8	4
21	Epoxy Resin Enables Facile Scalable Synthesis of CuO/C Nanohybrid Lithium-ion Battery Anode with Enhanced Electrochemical Performance. ChemistrySelect, 2020, 5, 5479-5487.	1.5	2
22	Continuous fast pyrolysis synthesis of TiO ₂ /C nanohybrid lithium-ion battery anode. Nano Select, 2021, 2, 1770-1778.	3.7	1
23	Theoretical analysis of a 0.22 THz multistage confocal waveguide gyro-TWT with circle-sector-shaped electron beam. AIP Advances, 2021, 11, 095217.	1.3	1
24	Super-small TiO ₂ Nanoparticles Homogeneously Embedded in Mesoporous Carbon Matrix Based on Dental Methacrylates and KOH Activation. ChemistrySelect, 2021, 6, 1508-1518.	1.5	0
25	Design and Thermal Analysis of Magnetron Injection Gun for Dual-Band Gyroklystron. IEEE Transactions on Plasma Science, 2022, 50, 670-677.	1.3	0
26	Design and Simulation of MIG for a W-band Second Harmonic Gyroklystron. , 2021, , .		0