Youning Gong

List of Publications by Year
in descending order

33 papers	2,581 citations	331259 21 h-index	395343 33 g-index
33 all docs	33 docs citations	33 times ranked	3945 citing authors

#	Article	IF	Citations
1	Biomass-derived porous carbon materials: synthesis, designing, and applications for supercapacitors. Green Chemistry, 2022, 24, 3864-3894.	4.6	97
2	Polarized Raman Scattering of Inâ€Plane Anisotropic Phonon Modes in Î±â€'MoO₃. Advanced Optical Materials, 2022, 10, .	3.6	17
3	Tailoring Topological Transitions of Anisotropic Polaritons by Interface Engineering in Biaxial Crystals. Nano Letters, 2022, 22, 4260-4268.	4.5	40
4	Boron quantum dots all-optical modulator based on efficient photothermal effect. Opto-Electronic Advances, 2021, 4, 200032-200032.	6.4	13
5	Evolution of low-dimensional material-based field-effect transistors. Nanoscale, 2021, 13, 5162-5186.	2.8	39
6	Two-Dimensional Hexagonal Boron Nitride for Building Next-Generation Energy-Efficient Devices. ACS Energy Letters, 2021, 6, 985-996.	8.8	37
7	Scalable Production of Boron Quantum Dots for Broadband Ultrafast Nonlinear Optical Performance. Nanomaterials, 2021, 11, 687.	1.9	5
8	Nitrogen Self-Doped Porous Carbon for High-Performance Supercapacitors. ACS Applied Energy Materials, 2020, 3, 1585-1592.	2.5	109
9	Band structure tuning of Î±-MoO₃ by tin intercalation for ultrafast photonic applications. Nanoscale, 2020, 12, 23140-23149.	2.8	20
10	Two-Dimensional Platinum Diselenide: Synthesis, Emerging Applications, and Future Challenges. Nano-Micro Letters, 2020, 12, 174.	14.4	50
11	â€œOne-Stepâ€•Carbonization Activation of Garlic Seeds for Honeycomb-like Hierarchical Porous Carbon and Its High Supercapacitor Properties. ACS Omega, 2020, 5, 29913-29921.	1.6	26
12	Recent Progress of Two-Dimensional Thermoelectric Materials. Nano-Micro Letters, 2020, 12, 36.	14.4	218
13	Two dimensional graphitic carbon nitride quantum dots modified perovskite solar cells and photodetectors with high performances. Journal of Power Sources, 2020, 451, 227825.	4.0	44
14	Ag/graphene composite based on high-quality graphene with high electrical and mechanical properties. Progress in Natural Science: Materials International, 2019, 29, 384-389.	1.8	15
15	Highly efficient and stable air-processed hole-transport-material free carbon based perovskite solar cells with caesium incorporation. Chemical Communications, 2019, 55, 218-221.	2.2	19
16	Synthesis of lithium rich layered oxides with controllable structures through a MnO2 template strategy as advanced cathode materials for lithium ion batteries. Ceramics International, 2019, 45, 13011-13018.	2.3	14
17	NiCo2O4 bricks as anode materials with high lithium storage property. MRS Advances, 2019, 4, 1861-1868.	0.5	1
18	High Performance Polymer Thermoelectric Composite Achieved by Carbon-Coated Carbon Nanotubes Network. ACS Applied Energy Materials, 2019, 2, 2427-2434.	2.5	34

#	Article	IF	Citations
19	Sub-kT/q switching in In₂O₃ nanowire negative capacitance field-effect transistors. Nanoscale, 2018, 10, 19131-19139.	2.8	10
20	Construction of hierarchical TiO2 nanorod array/graphene/ZnO nanocomposites for high-performance photocatalysis. Journal of Materials Science, 2018, 53, 15376-15389.	1.7	22
21	Direct determination of graphene amount in electrochemical deposited Cu-based composite foil and its enhanced mechanical property. RSC Advances, 2017, 7, 1735-1742.	1.7	23
22	Preparation of Sandwich-like NiCo2O4/rGO/NiO Heterostructure on Nickel Foam for High-Performance Supercapacitor Electrodes. Nano-Micro Letters, 2017, 9, 16.	14.4	56
23	Carbon Nanomaterials for Applications on Supercapacitors. MRS Advances, 2017, 2, 3283-3289.	0.5	2
24	Highly Sensitive, Durable, and Multifunctional Sensor Inspired by a Spider. ACS Applied Materials & Interfaces, 2017, 9, 19955-19962.	4.0	89
25	Preparation of three-dimensional graphene foam for high performance supercapacitors. Progress in Natural Science: Materials International, 2017, 27, 177-181.	1.8	56
26	Preparation of high-quality graphene via electrochemical exfoliation & spark plasma sintering and its applications. Applied Surface Science, 2017, 397, 213-219.	3.1	41
27	Edge-riched graphene nanoribbon for high capacity electrode materials. Electrochimica Acta, 2017, 250, 84-90.	2.6	34
28	Highly porous graphitic biomass carbon as advanced electrode materials for supercapacitors. Green Chemistry, 2017, 19, 4132-4140.	4.6	861
29	Research Progress in Preparation of Graphene from Electrochemical Exfoliation and Its Optoelectronic Characteristics. Zhongguo Jiguang/Chinese Journal of Lasers, 2017, 44, 0703007.	0.2	1
30	Low-cost and Efficient Hole-Transport-Material-free perovskite solar cells employing controllable electron-transport layer based on P25 nanoparticles. Electrochimica Acta, 2016, 213, 83-88.	2.6	33
31	Facile synthesis of hybrid CNTs/NiCo2S4 composite for high performance supercapacitors. Scientific Reports, 2016, 6, 29788.	1.6	111
32	Facile Synthesis of Carbon Nanosphere/NiCo2O4 Core-shell Sub-microspheres for High Performance Supercapacitor. Scientific Reports, 2015, 5, 12903.	1.6	115
33	Influence of graphene microstructures on electrochemical performance for supercapacitors. Progress in Natural Science: Materials International, 2015, 25, 379-385.	1.8	329