Dongling

List of Publications by Year
in descending order

59 papers	2,466 citations	218381 26 h-index	205818 48 g-index
59 all docs	59 docs citations	59 times ranked	3886 citing authors

#	Article	IF	Citations
1	Influence of nanoparticle surface modification on the electrical behaviour of polyethylene nanocomposites. Nanotechnology, 2005, 16, 724-731.	1.3	209
2	Multifunctional Nano-Architecture for Biomedical Applications. Chemistry of Materials, 2006, 18, 1920-1927.	3.2	176
3	Efficient and stable tandem luminescent solar concentrators based on carbon dots and perovskite quantum dots. Nano Energy, 2018, 50, 756-765.	8.2	170
4	Harnessing the properties of colloidal quantum dots in luminescent solar concentrators. Chemical Society Reviews, 2018, 47, 5866-5890.	18.7	169
5	High-Efficiency Broadband C₃N₄ Photocatalysts: Synergistic Effects from Upconversion and Plasmons. ACS Catalysis, 2017, 7, 6225-6234.	5.5	144
6	Searching for stability at lower dimensions: current trends and future prospects of layered perovskite solar cells. Energy and Environmental Science, 2019, 12, 2860-2889.	15.6	132
7	Iceâ€Assisted Synthesis of Black Phosphorus Nanosheets as a Metalâ€Free Photocatalyst: 2D/2D Heterostructure for Broadband H₂ Evolution. Advanced Functional Materials, 2019, 29, 1902486.	7.8	116
8	Advances in 2D/2D Zâ€Scheme Heterojunctions for Photocatalytic Applications. Solar Rrl, 2021, 5, 2000397.	3.1	82
9	Single crystalline La_{0.5}Sr_{0.5}MnO₃microcubes as cathode of solid oxidefuel cell. Energy and Environmental Science, 2011, 4, 139-144.	15.6	81
10	Property balancing for polyethylene-based carbon black-filled conductive composites. Journal of Applied Polymer Science, 1998, 67, 131-138.	1.3	80
11	Effect of CdS shell thickness on the optical properties of water-soluble, amphiphilic polymer-encapsulated PbS/CdS core/shell quantum dots. Journal of Materials Chemistry, 2011, 21, 17483.	6.7	75
12	Are lanthanide-doped upconversion materials good candidates for photocatalysis?. Nanoscale Horizons, 2019, 4, 579-591.	4.1	73
13	Broadband photocatalysts enabled by 0D/2D heterojunctions of near-infrared quantum dots/graphitic carbon nitride nanosheets. Applied Catalysis B: Environmental, 2020, 270, 118879.	10.8	70
14	Multifunctional Self-Assembled Supernanoparticles for Deep-Tissue Bimodal Imaging and Amplified Dual-Mode Heating Treatment. ACS Nano, 2019, 13, 408-420.	7.3	68
15	Atomic insights for Ag Interstitial/Substitutional doping into ZnIn2S4 nanoplates and intimate coupling with reduced graphene oxide for enhanced photocatalytic hydrogen production by water splitting. Applied Catalysis B: Environmental, 2020, 279, 119403.	10.8	65
16	Advancing Graphitic Carbon Nitride-Based Photocatalysts toward Broadband Solar Energy Harvesting. , 2021, 3, 663-697.		63
17	Plasmonic Au-Loaded Hierarchical Hollow Porous TiO₂ Spheres: Synergistic Catalysts for Nitroaromatic Reduction. Journal of Physical Chemistry Letters, 2018, 9, 5317-5326.	2.1	56
18	Efficient Photoelectrochemical Water Oxidation on Hematite with Fluorineâ€Doped FeOOH and FeNiOOH as Dual Cocatalysts. ChemSusChem, 2018, 11, 3783-3789.	3.6	54

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19	Understanding Photoelectrochemical Water Oxidation with X-ray Absorption Spectroscopy. ACS Energy Letters, 2020, 5, 975-993.	8.8	52
20	Phase-enabled metal-organic framework homojunction for highly selective CO2 photoreduction. Nature Communications, 2021, 12, 1231.	5.8	50
21	Ultrasmall PbS quantum dots: a facile and greener synthetic route and their high performance in luminescent solar concentrators. Journal of Materials Chemistry A, 2017, 5, 10250-10260.	5.2	48
22	Bioinspired tough gel sheath for robust and versatile surface functionalization. Science Advances, 2021, 7, .	4.7	44
23	Recent advances of near infrared inorganic fluorescent probes for biomedical applications. Journal of Materials Chemistry B, 2020, 8, 7856-7879.	2.9	40
24	Stabilities Related to Near-Infrared Quantum Dot-Based Solar Cells: The Role of Surface Engineering. ACS Energy Letters, 2017, 2, 1573-1585.	8.8	39
25	Magnetic Photoluminescent Nanoplatform Built from Large-Pore Mesoporous Silica. Chemistry of Materials, 2019, 31, 3201-3210.	3.2	34
26	Iodide capped PbS/CdS core-shell quantum dots for efficient long-wavelength near-infrared light-emitting diodes. Scientific Reports, 2017, 7, 14741.	1.6	32
27	Highâ€Performance Suspended Particle Devices Based on Copperâ€Reduced Graphene Oxide Coreâ€“Shell Nanowire Electrodes. Advanced Energy Materials, 2018, 8, 1703658.	10.2	31
28	Self-selective recovery of photoluminescence in amphiphilic polymer encapsulated PbS quantum dots. Physical Chemistry Chemical Physics, 2010, 12, 14754.	1.3	27
29	Mixed-Phase ZnIn₂S₄ Nanosheets Grown on TiO₂ Nanotrees for the Visible-Light Photocatalytic Degradation of Organic Dyes. ACS Applied Nano Materials, 2022, 5, 380-390.	2.4	24
30	Airâ€Processed, Stable Organic Solar Cells with High Power Conversion Efficiency of 7.41%. Small, 2019, 15, e1804671.	5.2	19
31	Enhanced Long-term and Thermal Stability of Polymer Solar Cells in Air at High Humidity with the Formation of Unusual Quantum Dot Networks. ACS Applied Materials & Interfaces, 2017, 9, 26257-26267.	4.0	17
32	Black TiO₂ Nanotube Array/BiVO₄ Heterojunction Photocatalysts for Tetracycline Removal with High Solution Detoxification Efficiency. ACS Applied Nano Materials, 2022, 5, 7161-7174.	2.4	16
33	A New Approach Towards Controlled Synthesis of Multifunctional Coreâ€“Shell Nano-Architectures: Luminescent and Superparamagnetic. Journal of Nanoscience and Nanotechnology, 2006, 6, 3677-3684.	0.9	12
34	Effect of Surface Oxidation on the Interaction of 1-Methylaminopyrene with Gold Nanoparticles. Langmuir, 2012, 28, 2858-2865.	1.6	12
35	A facile way for scalable fabrication of silver nanowire network electrodes for high-performance and foldable smart windows. Journal of Materials Chemistry A, 2020, 8, 8620-8628.	5.2	12
36	Bulky Cations Improve Band Alignment and Efficiency in Snâ€“Pb Halide Perovskite Solar Cells. ACS Applied Energy Materials, 2021, 4, 2616-2628.	2.5	11

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37	Optimized design and mechanistic understanding of plasmon and upconversion enhanced broadband photocatalysts. Catalysis Today, 2020, 350, 25-32.	2.2	9
38	Toward Enhancing Solar Cell Performance: An Effective and â€œGreenâ€•Additive. ACS Applied Materials & Interfaces, 2018, 10, 6498-6504.	4.0	8
39	Electron transfer in a semiconductor heterostructure interface through electrophoretic deposition and a linker-assisted method. CrystEngComm, 2020, 22, 1664-1673.	1.3	8
40	Enhancing Efficiency of Nonfullerene Organic Solar Cells via Using Polyelectrolyte-Coated Plasmonic Gold Nanorods as Rear Interfacial Modifiers. ACS Applied Materials & Interfaces, 2022, 14, 16185-16196.	4.0	8
41	Ligand and Precursor Effects on the Synthesis and Optical Properties of PbS Quantum Dots. Journal of Nanoscience and Nanotechnology, 2010, 10, 4897-4905.	0.9	6
42	Diameter dependent transparency changes of nanorod-based large-area flexible smart window devices. Journal of Materials Chemistry A, 2018, 6, 24157-24165.	5.2	5
43	Energy Selects. ACS Energy Letters, 2019, 4, 1455-1457.	8.8	5
44	Unveiling Photovoltaic Performance Enhancement Mechanism of Polymer Solar Cells via Synergistic Effect of Binary Solvent Additives. Solar Rrl, 2020, 4, 2000239.	3.1	4
45	Energy Spotlight. ACS Energy Letters, 2020, 5, 1662-1664.	8.8	3
46	Air stable conductivity of black phosphorous/graphitic carbon nitride blends. Journal of Materials Chemistry C, 2021, 9, 6404-6408.	2.7	2
47	Energy Spotlight. ACS Energy Letters, 2021, 6, 3750-3752.	8.8	2
48	Energy Selects. ACS Energy Letters, 2019, 4, 2351-2352.	8.8	1
49	Energy Spotlight. ACS Energy Letters, 2020, 5, 2739-2741.	8.8	1
50	Energy Spotlight. ACS Energy Letters, 2021, 6, 277-279.	8.8	1
51	Energy Selects. ACS Energy Letters, 2019, 4, 2569-2570.	8.8	0
52	Energy Spotlight. ACS Energy Letters, 2020, 5, 1967-1969.	8.8	0
53	(Invited) Exploring in the Near Infrared: Multifunctional Nanoplatforms for Biomedical Applications. ECS Meeting Abstracts, 2021, MA2021-01, 1352-1352.	0.0	0
54	(Invited) Harvesting Solar Energy in Near Infrared. ECS Meeting Abstracts, 2019, , .	0.0	0

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55	(Invited) Multifunctional Nanoplatforms for Biomedical Applications. ECS Meeting Abstracts, 2019, , .	0.0	0
56	(Invited) Nanohybrids for Manipulating Solar Energy. ECS Meeting Abstracts, 2019, , .	0.0	0
57	Preparation of Plasmonic Cu Nanoparticles By Pulsed Laser Ablation in Liquid and Their Characterization. ECS Meeting Abstracts, 2020, MA2020-01, 1121-1121.	0.0	0
58	(Invited) Exploring in the Near Infrared: Multifunctional Nanoplatforms for Biomedical Applications. ECS Meeting Abstracts, 2020, MA2020-01, 1982-1982.	0.0	0
59	Highly Efficient and Air Stable Ternary Organic Solar Cell Enabled By Employing a Perylenediimide-Based Acceptor. ECS Meeting Abstracts, 2020, MA2020-01, 85-85.	0.0	0