

Maogang Gong

List of Publications by Year in descending order

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67
papers

1,828
citations

279798

23
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276875

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67
docs citations

67
times ranked

3146
citing authors

#	ARTICLE	IF	CITATIONS
1	All-Printable ZnO Quantum Dots/Graphene van der Waals Heterostructures for Ultrasensitive Detection of Ultraviolet Light. ACS Nano, 2017, 11, 4114-4123.	14.6	158
2	Polychiral Semiconducting Carbon Nanotubeâ€“Fullerene Solar Cells. Nano Letters, 2014, 14, 5308-5314.	9.1	109
3	High-Performance All-Inorganic CsPbCl ₃ Perovskite Nanocrystal Photodetectors with Superior Stability. ACS Nano, 2019, 13, 1772-1783.	14.6	105
4	Broadâ€“Spectralâ€“Response Nanocarbon Bulkâ€“Heterojunction Excitonic Photodetectors. Advanced Materials, 2013, 25, 3433-3437.	21.0	99
5	Printable Transfer-Free and Wafer-Size MoS ₂ /Graphene van der Waals Heterostructures for High-Performance Photodetection. ACS Applied Materials & Interfaces, 2017, 9, 12728-12733.	8.0	82
6	Symmetry-Defying Iron Pyrite (FeS ₂) Nanocrystals through Oriented Attachment. Scientific Reports, 2013, 3, 2092.	3.3	76
7	Fabrication of superhydrophilicâ€“underwater superoleophobic inorganic anti-corrosive membranes for high-efficiency oil/water separation. Physical Chemistry Chemical Physics, 2016, 18, 1317-1325.	2.8	72
8	Localized Surface Plasmon Resonance Enhanced Light Absorption in AuCu/CsPbCl ₃ Core/Shell Nanocrystals. Advanced Materials, 2020, 32, e2002163.	21.0	59
9	Iron Pyrite (FeS ₂) Broad Spectral and Magnetically Responsive Photodetectors. Advanced Optical Materials, 2013, 1, 78-83.	7.3	44
10	Facile zinc oxide nanowire growth on graphene via a hydrothermal floating method: towards Debye length radius nanowires for ultraviolet photodetection. Journal of Materials Chemistry C, 2017, 5, 10087-10093.	5.5	44
11	A reticulate superhydrophobic self-assembly structure prepared by ZnO nanowires. Nanotechnology, 2009, 20, 165602.	2.6	41
12	Plasmonic WS ₂ Nanodiscs/Graphene van der Waals Heterostructure Photodetectors. ACS Applied Materials & Interfaces, 2019, 11, 33390-33398.	8.0	41
13	Phase Transformation-Induced Tetragonal FeCo Nanostructures. Nano Letters, 2014, 14, 6493-6498.	9.1	40
14	Ionic-passivated FeS ₂ photocapacitors for energy conversion and storage. Chemical Communications, 2013, 49, 9260.	4.1	39
15	Superhydrophobicity of hierarchical ZnO nanowire coatings. Journal of Materials Chemistry A, 2014, 2, 6180.	10.3	39
16	Room Temperature Multiferroicity of Charge Transfer Crystals. ACS Nano, 2015, 9, 9373-9379.	14.6	38
17	Fused Nanojunctions of Electronâ€“Depleted ZnO Nanoparticles for Extraordinary Performance in Ultraviolet Detection. Advanced Materials Interfaces, 2017, 4, 1601064.	3.7	37
18	Printable Nanocomposite FeS ₂ â€“PbS Nanocrystals/Graphene Heterojunction Photodetectors for Broadband Photodetection. ACS Applied Materials & Interfaces, 2017, 9, 27801-27808.	8.0	37

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19	Using Silver Nanoparticles-Embedded Silica Metafilms as Substrates to Enhance the Performance of Perovskite Photodetectors. ACS Applied Materials & Interfaces, 2019, 11, 32301-32309.	8.0	37
20	Metal-Redox Synthesis of MnBi Hard Magnetic Nanoparticles. Chemistry of Materials, 2015, 27, 4677-4681.	6.7	36
21	Designing the Interface of Carbon Nanotube/Biomaterials for High-Performance Ultra-Broadband Photodetection. ACS Applied Materials & Interfaces, 2017, 9, 11016-11024.	8.0	34
22	Broadband Photodetectors Enabled by Localized Surface Plasmonic Resonance in Doped Iron Pyrite Nanocrystals. Advanced Optical Materials, 2018, 6, 1701241.	7.3	32
23	Multiferroicity of Carbon-Based Charge-Transfer Magnets. Advanced Materials, 2015, 27, 734-739.	21.0	31
24	Photoluminescence enhancement of ZnO microrods coated with Ag nanoparticles. Journal of Physics Condensed Matter, 2008, 20, 472202.	1.8	23
25	Wrapping cytochrome c around single-wall carbon nanotube: engineered nanohybrid building blocks for infrared detection at high quantum efficiency. Scientific Reports, 2015, 5, 11328.	3.3	22
26	Understanding Charge Transfer in Carbon Nanotube-Fullerene Bulk Heterojunctions. ACS Applied Materials & Interfaces, 2015, 7, 7428-7435.	8.0	22
27	Synergistic Strain Engineering Effect of Hybrid Plasmonic, Catalytic, and Magnetic Core-Shell Nanocrystals. Nano Letters, 2015, 15, 8347-8353.	9.1	21
28	Transfer-free and printable graphene/ZnO-nanoparticle nanohybrid photodetectors with high performance. Journal of Materials Chemistry C, 2017, 5, 6427-6432.	5.5	21
29	Electromagnetic functionalized ultrafine polymer/ β -Fe ₂ O ₃ fibers prepared by magnetic-mechanical spinning and their application as strain sensors with ultrahigh stretchability. Composites Science and Technology, 2017, 139, 1-7.	7.8	21
30	Inkjet Printing Multicolor Pixelated Quantum Dots on Graphene for Broadband Photodetection. ACS Applied Nano Materials, 2019, 2, 3246-3252.	5.0	21
31	High-Sensitivity Light Detection via Gate Tuning of Organometallic Perovskite/PCBM Bulk Heterojunctions on Ferroelectric Pb _{0.92} La _{0.08} Zr _{0.52} Ti _{0.48} O ₃ Gated Graphene Field Effect Transistors. ACS Applied Materials & Interfaces, 2018, 10, 12824-12830.	8.0	20
32	All-polymeric control of nanoferronics. Science Advances, 2015, 1, e1501264.	10.3	18
33	Synthesis and characterization of rare-earth-free magnetic manganese bismuth nanocrystals. RSC Advances, 2015, 5, 5567-5570.	3.6	18
34	Effects of Ce doping and humidity on UV sensing properties of electrospun ZnO nanofibers. Journal of Applied Physics, 2017, 122, .	2.5	18
35	Polarity-Controlled Attachment of Cytochrome C for High-Performance Cytochrome C/Graphene van der Waals Heterojunction Photodetectors. Advanced Functional Materials, 2018, 28, 1704797.	14.9	18
36	Controllable Synthesis of Monodispersed FeS ₂ Nanocrystals for High-Performance Optoelectronic Devices. ACS Applied Materials & Interfaces, 2019, 11, 19286-19293.	8.0	18

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37	Oxygen Plasma Surface Activation of Electron-Depleted ZnO Nanoparticle Films for Performance-Enhanced Ultraviolet Photodetectors. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2017, 214, 1700176.	1.8	17
38	External stimuli controlled multiferroic charge-transfer crystals. <i>Nano Research</i> , 2016, 9, 925-932.	10.4	16
39	Printing High-Performance Tungsten Oxide Thin Film Ultraviolet Photodetectors on ZnO Quantum Dot Textured SiO ₂ Surface. <i>IEEE Sensors Journal</i> , 2018, 18, 9542-9547.	4.7	15
40	Charge-Transfer Induced Magnetic Field Effects of Nano-Carbon Heterojunctions. <i>Scientific Reports</i> , 2014, 4, 6126.	3.3	14
41	Phase Transformation-Driven Surface Reconstruction of FeNi Nanostructures. <i>Chemistry of Materials</i> , 2015, 27, 7795-7800.	6.7	14
42	Nanomagnetism: Template-Directed FeCo Nanoshells on AuCu (Small 20/2014). <i>Small</i> , 2014, 10, 4034-4034.	10.0	13
43	Quantum Dots-Facilitated Printing of ZnO Nanostructure Photodetectors with Improved Performance. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 23189-23194.	8.0	13
44	Interface Nanojunction Engineering of Electron-Depleted Tungsten Oxide Nanoparticles for High-Performance Ultraviolet Photodetection. <i>ACS Applied Nano Materials</i> , 2018, 1, 394-400.	5.0	13
45	ZnO/graphene heterostructure nanohybrids for optoelectronics and sensors. <i>Journal of Applied Physics</i> , 2021, 130, .	2.5	12
46	Scalable Graphene-Organometal Halide Perovskite Heterostructure Fabricated by Dry Transfer. <i>Advanced Materials Interfaces</i> , 2019, 6, 1801419.	3.7	11
47	Surface-Stress-Induced Phase Transformation of Ultrathin FeCo Nanowires. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 31-36.	8.0	10
48	High-Performance Photodetectors Based on Effective Exciton Dissociation in Protein-Adsorbed Multiwalled Carbon Nanotube Nanohybrids. <i>Advanced Optical Materials</i> , 2017, 5, 1600478.	7.3	10
49	Inkjet-Printed Imbedded Graphene Nanoplatelet/Zinc Oxide Bulk Heterojunctions Nanocomposite Films for Ultraviolet Photodetection. <i>ACS Omega</i> , 2019, 4, 22497-22503.	3.5	10
50	Nanohybrid Photodetectors. <i>Advanced Photonics Research</i> , 2021, 2, 2100015.	3.6	9
51	Structure, Photoluminescence and Wettability Properties of Well Arrayed ZnO Nanowires Grown by Hydrothermal Method. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 7762-7765.	0.9	7
52	Iron sulfide ink for the growth of pyrite crystals. <i>Nanotechnology</i> , 2014, 25, 205603.	2.6	7
53	Magnetic dipolar interaction induced cobalt nanowires. <i>Nanotechnology</i> , 2016, 27, 07LT02.	2.6	7
54	Template-Directed FeCo Nanoshells on AuCu. <i>Small</i> , 2014, 10, 4118-4122.	10.0	6

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55	Combining hard and soft magnetism into a single core-shell nanoparticle to achieve both hyperthermia and image contrast. <i>Therapeutic Delivery</i> , 2015, 6, 1195-1210.	2.2	5
56	Magnetic field-directed hybrid anisotropic nanocomposites. <i>Nanotechnology</i> , 2018, 29, 345602.	2.6	5
57	Ligands Anchoring Stabilizes Metal Halide Perovskite Nanocrystals. <i>Advanced Optical Materials</i> , 0, , 2101012.	7.3	5
58	Surface plasmon assisted laser ablation of stainless steel. <i>Nanotechnology</i> , 2019, 30, 305401.	2.6	4
59	Lateral Graphene p-n Junctions Realized by Nanoscale Bipolar Doping Using Surface Electric Dipoles and Self-Organized Molecular Anions. <i>Advanced Materials Interfaces</i> , 2019, 6, 1801380.	3.7	4
60	Quantum Dot/Graphene Heterostructure Nanohybrid Photodetectors. <i>Lecture Notes in Nanoscale Science and Technology</i> , 2021, , 215-248.	0.8	4
61	Broadband Photodetectors: Broadband Photodetectors Enabled by Localized Surface Plasmonic Resonance in Doped Iron Pyrite Nanocrystals (<i>Advanced Optical Materials</i> 8/2018). <i>Advanced Optical Materials</i> , 2018, 6, 1870033.	7.3	2
62	Broad-Spectral-Response Nanocarbon Bulk-Heterojunction Excitonic Photodetectors (<i>Adv. Mater.</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	21.0	1
63	Composition- and oxidation-controlled magnetism in ternary FeCoNi nanocrystals. <i>Nano Research</i> , 2016, 9, 831-836.	10.4	1
64	Photodetectors: High-Performance Photodetectors Based on Effective Exciton Dissociation in Protein-Adsorbed Multiwalled Carbon Nanotube Nanohybrids (<i>Advanced Optical Materials</i> 1/2017). <i>Advanced Optical Materials</i> , 2017, 5, .	7.3	1
65	Quantum dots/graphene nanohybrids photodetectors: progress and perspective. <i>Nano Express</i> , 2021, 2, 031002.	2.4	1
66	Iron Pyrite: Iron Pyrite (FeS_2) Broad Spectral and Magnetically Responsive Photodetectors (<i>Advanced Optical Materials</i> 1/2013). <i>Advanced Optical Materials</i> , 2013, 1, 77-77.	7.3	0
67	Charge-Transfer Magnets: Multiferroicity of Carbon-Based Charge-Transfer Magnets (<i>Adv. Mater.</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 21.0	21.0	0