Maogang Gong

List of Publications by Year
in descending order

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67 papers	1,828 citations	279798 23 h-index	276875 41 g-index
67 all docs	67 docs citations	67 times ranked	3146 citing authors

#	Article	IF	Citations
1	Nanohybrid Photodetectors. Advanced Photonics Research, 2021, 2, 2100015.	3.6	9
2	ZnO/graphene heterostructure nanohybrids for optoelectronics and sensors. Journal of Applied Physics, 2021, 130, .	2.5	12
3	Quantum dots/graphene nanohybrids photodetectors: progress and perspective. Nano Express, 2021, 2, 031002.	2.4	1
4	Quantum Dot/Graphene Heterostructure Nanohybrid Photodetectors. Lecture Notes in Nanoscale Science and Technology, 2021, , 215-248.	0.8	4
5	Localized Surface Plasmon Resonance Enhanced Light Absorption in AuCu/CsPbCl₃ Core/Shell Nanocrystals. Advanced Materials, 2020, 32, e2002163.	21.0	59
6	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
7	Plasmonic WS₂ Nanodiscs/Graphene van der Waals Heterostructure Photodetectors. ACS Applied Materials & Interfaces, 2019, 11, 33390-33398.	8.0	41
8	High-Performance All-Inorganic CsPbCl₃ Perovskite Nanocrystal Photodetectors with Superior Stability. ACS Nano, 2019, 13, 1772-1783.	14.6	105
9	Controllable Synthesis of Monodispersed Fe_{1â€“x}S₂ Nanocrystals for High-Performance Optoelectronic Devices. ACS Applied Materials & Interfaces, 2019, 11, 19286-19293.	8.0	18
10	Inkjet Printing Multicolor Pixelated Quantum Dots on Graphene for Broadband Photodetection. ACS Applied Nano Materials, 2019, 2, 3246-3252.	5.0	21
11	Surface plasmon assisted laser ablation of stainless steel. Nanotechnology, 2019, 30, 305401.	2.6	4
12	Inkjet-Printed Imbedded Graphene Nanoplatelet/Zinc Oxide Bulk Heterojunctions Nanocomposite Films for Ultraviolet Photodetection. ACS Omega, 2019, 4, 22497-22503.	3.5	10
13	Lateral Graphene pâ€“n Junctions Realized by Nanoscale Bipolar Doping Using Surface Electric Dipoles and Selfâ€Organized Molecular Anions. Advanced Materials Interfaces, 2019, 6, 1801380.	3.7	4
14	Scalable Grapheneâ€onâ€Organometal Halide Perovskite Heterostructure Fabricated by Dry Transfer. Advanced Materials Interfaces, 2019, 6, 1801419.	3.7	11
15	Broadband Photodetectors Enabled by Localized Surface Plasmonic Resonance in Doped Iron Pyrite Nanocrystals. Advanced Optical Materials, 2018, 6, 1701241.	7.3	32
16	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}O₃ Gated Graphene Field Effect Transistors. ACS Applied Materials & Interfaces, 2018, 10, 12824-12830.	8.0	20
17	Polarityâ€Controlled Attachment of Cytochrome C for Highâ€Performance Cytochrome C/Graphene van der Waals Heterojunction Photodetectors. Advanced Functional Materials, 2018, 28, 1704797.	14.9	18
18	Interface Nanojunction Engineering of Electron-Depleted Tungsten Oxide Nanoparticles for High-Performance Ultraviolet Photodetection. ACS Applied Nano Materials, 2018, 1, 394-400.	5.0	13

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19	Broadband Photodetectors: Broadband Photodetectors Enabled by Localized Surface Plasmonic Resonance in Doped Iron Pyrite Nanocrystals (Advanced Optical Materials 8/2018). Advanced Optical Materials, 2018, 6, 1870033.	7.3	2
20	Printing High-Performance Tungsten Oxide Thin Film Ultraviolet Photodetectors on ZnO Quantum Dot Textured SiO₂ Surface. IEEE Sensors Journal, 2018, 18, 9542-9547.	4.7	15
21	Magnetic field-directed hybrid anisotropic nanocomposites. Nanotechnology, 2018, 29, 345602.	2.6	5
22	Photodetectors: Highâ€Performance Photodetectors Based on Effective Exciton Dissociation in Proteinâ€Adsorbed Multiwalled Carbon Nanotube Nanohybrids (Advanced Optical Materials 1/2017). Advanced Optical Materials, 2017, 5, .	7.3	1
23	Fused Nanojunctions of Electronâ€Depleted ZnO Nanoparticles for Extraordinary Performance in Ultraviolet Detection. Advanced Materials Interfaces, 2017, 4, 1601064.	3.7	37
24	Transfer-free and printable graphene/ZnO-nanoparticle nanohybrid photodetectors with high performance. Journal of Materials Chemistry C, 2017, 5, 6427-6432.	5.5	21
25	Quantum Dots-Facilitated Printing of ZnO Nanostructure Photodetectors with Improved Performance. ACS Applied Materials & Interfaces, 2017, 9, 23189-23194.	8.0	13
26	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
27	Printable Transfer-Free and Wafer-Size MoS₂/Graphene van der Waals Heterostructures for High-Performance Photodetection. ACS Applied Materials & Interfaces, 2017, 9, 12728-12733.	8.0	82
28	Designing the Interface of Carbon Nanotube/Biomaterials for High-Performance Ultra-Broadband Photodetection. ACS Applied Materials & Interfaces, 2017, 9, 11016-11024.	8.0	34
29	Electromagnetic functionalized ultrafine polymer/Î³-Fe2O3 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	Oxygen Plasma Surface Activation of Electronâ€Depleted ZnO Nanoparticle Films for Performanceâ€Enhanced Ultraviolet Photodetectors. Physica Status Solidi (A) Applications and Materials Science, 2017, 214, 1700176.	1.8	17
31	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
32	Effects of Ce doping and humidity on UV sensing properties of electrospun ZnO nanofibers. Journal of Applied Physics, 2017, 122, .	2.5	18
33	Printable Nanocomposite FeS₂â€“PbS Nanocrystals/Graphene Heterojunction Photodetectors for Broadband Photodetection. ACS Applied Materials & Interfaces, 2017, 9, 27801-27808.	8.0	37
34	Highâ€Performance Photodetectors Based on Effective Exciton Dissociation in Proteinâ€Adsorbed Multiwalled Carbon Nanotube Nanohybrids. Advanced Optical Materials, 2017, 5, 1600478.	7.3	10
35	External stimuli controlled multiferroic charge-transfer crystals. Nano Research, 2016, 9, 925-932.	10.4	16
36	Magnetic dipolar interaction induced cobalt nanowires. Nanotechnology, 2016, 27, 07LT02.	2.6	7

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37	Composition- and oxidation-controlled magnetism in ternary FeCoNi nanocrystals. Nano Research, 2016, 9, 831-836.	10.4	1
38	Surface-Stress-Induced Phase Transformation of Ultrathin FeCo Nanowires. ACS Applied Materials & Interfaces, 2016, 8, 31-36.	8.0	10
39	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
40	Charge-Transfer Magnets: Multiferroicity of Carbon-Based Charge-Transfer Magnets (Adv. Mater.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	21.0	0
41	Phase Transformation-Driven Surface Reconstruction of FeNi Nanostructures. Chemistry of Materials, 2015, 27, 7795-7800.	6.7	14
42	Synergistic Strain Engineering Effect of Hybrid Plasmonic, Catalytic, and Magnetic Coreâ€“Shell Nanocrystals. Nano Letters, 2015, 15, 8347-8353.	9.1	21
43	All-polymeric control of nanoferronics. Science Advances, 2015, 1, e1501264.	10.3	18
44	Synthesis and characterization of rare-earth-free magnetic manganese bismuth nanocrystals. RSC Advances, 2015, 5, 5567-5570.	3.6	18
45	Room Temperature Multiferroicity of Charge Transfer Crystals. ACS Nano, 2015, 9, 9373-9379.	14.6	38
46	Metal-Redox Synthesis of MnBi Hard Magnetic Nanoparticles. Chemistry of Materials, 2015, 27, 4677-4681.	6.7	36
47	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
48	Understanding Charge Transfer in Carbon Nanotubeâ€“Fullerene Bulk Heterojunctions. ACS Applied Materials & Interfaces, 2015, 7, 7428-7435.	8.0	22
49	Combining hard and soft magnetism into a single core-shell nanoparticle to achieve both hyperthermia and image contrast. Therapeutic Delivery, 2015, 6, 1195-1210.	2.2	5
50	Multiferroicity of Carbonâ€Based Chargeâ€Transfer Magnets. Advanced Materials, 2015, 27, 734-739.	21.0	31
51	Phase Transformation-Induced Tetragonal FeCo Nanostructures. Nano Letters, 2014, 14, 6493-6498.	9.1	40
52	Iron sulfide ink for the growth of pyrite crystals. Nanotechnology, 2014, 25, 205603.	2.6	7
53	Superhydrophobicity of hierarchical ZnO nanowire coatings. Journal of Materials Chemistry A, 2014, 2, 6180.	10.3	39
54	Polychiral Semiconducting Carbon Nanotubeâ€“Fullerene Solar Cells. Nano Letters, 2014, 14, 5308-5314.	9.1	109

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55	Templateâ€Directed FeCo Nanoshells on AuCu. Small, 2014, 10, 4118-4122.	10.0	6
56	Nanomagnetism: Templateâ€Directed FeCo Nanoshells on AuCu (Small 20/2014). Small, 2014, 10, 4034-4034.	10.0	13
57	Charge-Transfer Induced Magnetic Field Effects of Nano-Carbon Heterojunctions. Scientific Reports, 2014, 4, 6126.	3.3	14
58	Ionic-passivated FeS2 photocapacitors for energy conversion and storage. Chemical Communications, 2013, 49, 9260.	4.1	39
59	Symmetry-Defying Iron Pyrite (FeS2) Nanocrystals through Oriented Attachment. Scientific Reports, 2013, 3, 2092.	3.3	76
60	Iron Pyrite: Iron Pyrite (FeS₂) Broad Spectral and Magnetically Responsive Photodetectors (Advanced Optical Materials 1/2013). Advanced Optical Materials, 2013, 1, 77-77.	7.3	0
61	Iron Pyrite (FeS₂) Broad Spectral and Magnetically Responsive Photodetectors. Advanced Optical Materials, 2013, 1, 78-83.	7.3	44
62	Broadâ€Spectralâ€Response Nanocarbon Bulkâ€Heterojunction Excitonic Photodetectors. Advanced Materials, 2013, 25, 3433-3437.	21.0	99
63	Broad-Spectral-Response Nanocarbon Bulk-Heterojunction Excitonic Photodetectors (Adv. Mater.) Tj ETQq1 1 0.784314 rgBT /Overlock	21.0	1
64	Structure, Photoluminescence and Wettability Properties of Well Arrayed ZnO Nanowires Grown by Hydrothermal Method. Journal of Nanoscience and Nanotechnology, 2010, 10, 7762-7765.	0.9	7
65	A reticulate superhydrophobic self-assembly structure prepared by ZnO nanowires. Nanotechnology, 2009, 20, 165602.	2.6	41
66	Photoluminescence enhancement of ZnO microrods coated with Ag nanoparticles. Journal of Physics Condensed Matter, 2008, 20, 472202.	1.8	23
67	Ligands Anchoring Stabilizes Metal Halide Perovskite Nanocrystals. Advanced Optical Materials, 0, , 2101012.	7.3	5