Guanhui Gao

List of Publications by Citations

71 papers	5,479 citations	28 h-index	74 g-index
76 ext. papers	6,491 ext. citations	11.1 avg, IF	5.26 L-index

#	Paper	IF	Citations
71	Graphene quantum dots derived from carbon fibers. *Nano Letters*, **2012**, 12, 844-9	11.5	1779
70	Smart human serum albumin-indocyanine green nanoparticles generated by programmed assembly for dual-modal imaging-guided cancer synergistic phototherapy. *ACS Nano*, **2014**, 8, 12310-22	16.7	527
69	Cancer Cell Membrane-Biomimetic Nanoparticles for Homologous-Targeting Dual-Modal Imaging and Photothermal Therapy. *ACS Nano*, **2016**, 10, 10049-10057	16.7	434
68	Protein-assisted fabrication of nano-reduced graphene oxide for combined in vivo photoacoustic imaging and photothermal therapy. *Biomaterials*, **2013**, 34, 5236-43	15.6	250
67	Binary and ternary atomic layers built from carbon, boron, and nitrogen. *Advanced Materials*, **2012**, 24, 4878-95	24	197
66	Electrically insulating thermal nano-oils using 2D fillers. *ACS Nano*, **2012**, 6, 1214-20	16.7	189
65	Artificially stacked atomic layers: toward new van der Waals solids. *Nano Letters*, **2012**, 12, 3518-25	11.5	187
64	Improving drug accumulation and photothermal efficacy in tumor depending on size of ICG loaded lipid-polymer nanoparticles. *Biomaterials*, **2014**, 35, 6037-46	15.6	156
63	Indocyanine Green-Loaded Polydopamine-Reduced Graphene Oxide Nanocomposites with Amplifying Photoacoustic and Photothermal Effects for Cancer Theranostics. *Theranostics*, **2016**, 6, 1043-52	12.1	146
62	Activatable albumin-photosensitizer nanoassemblies for triple-modal imaging and thermal-modulated photodynamic therapy of cancer. *Biomaterials*, **2016**, 93, 10-19	15.6	106
61	Indocyanine green-loaded polydopamine-iron ions coordination nanoparticles for photoacoustic/magnetic resonance dual-modal imaging-guided cancer photothermal therapy. *Nanoscale*, **2016**, 8, 17150-17158	7.7	94
60	Synthesis of Fluorinated Graphene Oxide and its Amphiphobic Properties. *Particle and Particle Systems Characterization*, **2013**, 30, 266-272	3.1	93
59	Metal-Semiconductor Phase-Transition in WSe Te Monolayer. *Advanced Materials*, **2017**, 29, 1603991	24	88
58	Smart hyaluronidase-actived theranostic micelles for dual-modal imaging guided photodynamic therapy. *Biomaterials*, **2016**, 101, 10-9	15.6	86
57	Molecular beam epitaxy of single crystalline GaN nanowires on a flexible Ti foil. *Applied Physics Letters*, **2016**, 108, 202101	3.4	69
56	Dextran-based redox-responsive doxorubicin prodrug micelles for overcoming multidrug resistance. *Polymer Chemistry*, **2013**, 4, 5793	4.9	60
55	Molecular Beam Epitaxy of GaN Nanowires on Epitaxial Graphene. *Nano Letters*, **2017**, 17, 5213-5221	11.5	60

54	Photosensitizer-conjugated redox-responsive dextran theranostic nanoparticles for near-infrared cancer imaging and photodynamic therapy. *Polymer Chemistry*, **2014**, 5, 874-881	4.9	58
53	Designing nanoscaled hybrids from atomic layered boron nitride with silver nanoparticle deposition. *Journal of Materials Chemistry A*, **2014**, 2, 3148	13	52
52	Lithium-conducting covalent-organic-frameworks as artificial solid-electrolyte-interphase on silicon anode for high performance lithium ion batteries. *Nano Energy*, **2020**, 72, 104657	17.1	49
51	Gold Nanoclusters-Indocyanine Green Nanoprobes for Synchronous Cancer Imaging, Treatment, and Real-Time Monitoring Based on Fluorescence Resonance Energy Transfer. *ACS Applied Materials & Interfaces*, **2017**, 9, 25114-25127	9.5	49
50	Near-infrared-emitting two-dimensional codes based on lattice-strained core/(doped) shell quantum dots with long fluorescence lifetime. *Advanced Materials*, **2014**, 26, 6313-7	24	46
49	Highly active and selective oxygen reduction to HO on boron-doped carbon for high production rates. *Nature Communications*, **2021**, 12, 4225	17.4	44
48	Structure, Properties and Applications of Two-Dimensional Hexagonal Boron Nitride. *Advanced Materials*, **2021**, 33, e2101589	24	42
47	Site-Selective Trimetallic Heterogeneous Nanostructures for Enhanced Electrocatalytic Performance. *Advanced Materials*, **2015**, 27, 5573-7	24	41
46	Redox-responsive dextran based theranostic nanoparticles for near-infrared/magnetic resonance imaging and magnetically targeted photodynamic therapy. *Biomaterials Science*, **2017**, 5, 762-771	7.4	31
45	Compact chelator-free Ni-integrated CuS nanoparticles with tunable near-infrared absorption and enhanced relaxivity for in vivo dual-modal photoacoustic/MR imaging. *Nanoscale*, **2015**, 7, 17631-6	7.7	30
44	Highly penetrative liposome nanomedicine generated by a biomimetic strategy for enhanced cancer chemotherapy. *Biomaterials Science*, **2018**, 6, 1546-1555	7.4	26
43	Highly Bright and Compact Alloyed Quantum Rods with Near Infrared Emitting: a Potential Multifunctional Nanoplatform for Multimodal Imaging In Vivo. *Advanced Functional Materials*, **2014**, 24, 3897-3905	15.6	26
42	Direct and continuous generation of pure acetic acid solutions via electrocatalytic carbon monoxide reduction. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	24
41	Smac therapeutic Peptide nanoparticles inducing apoptosis of cancer cells for combination chemotherapy with Doxorubicin. *ACS Applied Materials & Interfaces*, **2015**, 7, 8005-12	9.5	21
40	Iron oxide nanoparticle layer templated by polydopamine spheres: a novel scaffold toward hollow-mesoporous magnetic nanoreactors. *Nanoscale*, **2015**, 7, 806-13	7.7	21
39	Millisecond Conversion of Metastable 2D Materials by Flash Joule Heating. *ACS Nano*, **2021**, 15, 1282-1290	16.7	20
38	Construction of cost-effective bimetallic nanoparticles on titanium carbides as a superb catalyst for promoting hydrolysis of ammonia borane.. *RSC Advances*, **2018**, 8, 843-847	3.7	19
37	3D-printed silica with nanoscale resolution. *Nature Materials*, **2021**, 20, 1506-1511	27	19

36	Highly Dispersed Bimetallic Nanoparticles Supported on Titanium Carbides for Remarkable Hydrogen Release from Hydrous Hydrazine. *ChemCatChem*, **2018**, 10, 2200-2204	5.2	19
35	Preparation and antibacterial performance testing of Ag nanoparticles embedded biological materials. *Applied Surface Science*, **2015**, 330, 237-244	6.7	17
34	In Situ Synthesis of Lead-Free Halide Perovskite□COF Nanocomposites as Photocatalysts for Photoinduced Polymerization in Both Organic and Aqueous Phases464-471		17
33	ZEB1 knockdown mediated using polypeptide cationic micelles inhibits metastasis and effects sensitization to a chemotherapeutic drug for cancer therapy. *Nanoscale*, **2014**, 6, 10084-94	7.7	16
32	Efficient Alkaline Water/Seawater Hydrogen Evolution by a Nanorod-nanoparticle-structured Ni-MoN Catalyst with Fast Water-dissociation Kinetics.. *Advanced Materials*, **2022**, e2201774	24	16
31	Chitin-derived porous carbon loaded with Co, N and S with enhanced performance towards electrocatalytic oxygen reduction, oxygen evolution, and hydrogen evolution reactions. *Electrochimica Acta*, **2019**, 304, 350-359	6.7	15
30	Iron oxide nanoparticles protected by NIR-active multidentate-polymers as multifunctional nanoprobes for NIRF/PA/MR trimodal imaging. *Nanoscale*, **2016**, 8, 775-9	7.7	14
29	Synthesis of silver nanoparticles on surface-functionalized multi-walled carbon nanotubes by ultraviolet initiated photo-reduction method. *Applied Surface Science*, **2014**, 317, 49-55	6.7	14
28	Polypeptide micelles with dual pH activatable dyes for sensing cells and cancer imaging. *Nanoscale*, **2014**, 6, 5416-24	7.7	13
27	Toward edges-rich MoS2 layers via chemical liquid exfoliation triggering distinctive magnetism. *Materials Research Letters*, **2017**, 5, 267-275	7.4	12
26	Synthesis and photocurrent of amorphous boron nanowires. *Nanotechnology*, **2014**, 25, 335701	3.4	12
25	Living Cell Multilifetime Encoding Based on Lifetime-Tunable Lattice-Strained Quantum Dots. *ACS Applied Materials & Interfaces*, **2016**, 8, 13187-91	9.5	12
24	Structural characteristics at the adductor muscle and shell interface in mussel. *Applied Biochemistry and Biotechnology*, **2013**, 171, 1203-11	3.2	11
23	Electrochemical behavior of microbiologically influenced corrosion on Fe3Al in marine environment. *Acta Metallurgica Sinica (English Letters)*, **2009**, 22, 313-320	2.5	11
22	Amine-Functionalized Carbon Nanodot Electrocatalysts Converting Carbon Dioxide to Methane. *Advanced Materials*, **2021**, e2105690	24	11
21	Correlated Nanoscale Analysis of the Emission from Wurtzite versus Zincblende (In,Ga)As/GaAs Nanowire Core-Shell Quantum Wells. *Nano Letters*, **2019**, 19, 4448-4457	11.5	9
20	Synthesis of Porous N-Rich Carbon/MXene from MXene@Polypyrrole Hybrid Nanosheets as Oxygen Reduction Reaction Electrocatalysts. *Journal of the Electrochemical Society*, **2020**, 167, 116503	3.9	9
19	Anchoring ultrafine RhNi nanoparticles on titanium carbides/manganese oxide as an efficient catalyst for hydrogen generation from hydrous hydrazine. *New Journal of Chemistry*, **2018**, 42, 20001-20006	3.6	9

18	Apparent Ferromagnetism in Exfoliated Ultrathin Pyrite Sheets. *Journal of Physical Chemistry C*, **2021**, 125, 18927-18935	3.8	8
17	Toward hybrid Au nanorods @ M (Au, Ag, Pd and Pt) core-shell heterostructures for ultrasensitive SERS probes. *Nanotechnology*, **2017**, 28, 245602	3.4	7
16	Synthesis of surfactant-free Cu□Pt dendritic heterostructures with highly electrocatalytic performance for methanol oxidation reaction. *Materials Research Letters*, **2016**, 4, 212-218	7.4	6
15	Scale-Enhanced Magnetism in Exfoliated Atomically Thin Magnetite Sheets. *Small*, **2020**, 16, e2004208	11	6
14	Perovskite-Derivative Valleytronics. *Advanced Materials*, **2020**, 32, e2004111	24	6
13	Metal Oxide Catalysts for the Synthesis of Covalent Organic Frameworks and One-Step Preparation of Covalent Organic Framework-Based Composites. *Chemistry of Materials*, **2021**, 33, 6158-6165	9.6	6
12	Bio-Inspired Growth of Silver Nanoparticles on 2D Material's Scaffolds as Heterostructures with Their Enhanced Antibacterial Property. *Journal of Nanoscience and Nanotechnology*, **2018**, 18, 3893-3900	1.3	5
11	Axial GaAs/Ga(As, Bi) nanowire heterostructures. *Nanotechnology*, **2019**, 30, 425601	3.4	5
10	Toward heterostructured transition metal hybrids with highly promoted electrochemical hydrogen evolution.. *RSC Advances*, **2019**, 9, 19924-19929	3.7	3
9	Crystal-Phase Quantum Wires: One-Dimensional Heterostructures with Atomically Flat Interfaces. *Nano Letters*, **2018**, 18, 247-254	11.5	3
8	Magnetically Controllable Flowerlike, Polyhedral Ag-Cu-CoO for Surface-Enhanced Raman Scattering. *ACS Applied Materials & Interfaces*, **2021**, 13, 57814-57821	9.5	3
7	Phase controlled synthesis of transition metal carbide nanocrystals by ultrafast flash Joule heating.. *Nature Communications*, **2022**, 13, 262	17.4	2
6	Gas-Phase Fluorination of Hexagonal Boron Nitride. *Advanced Materials*, **2021**, e2106084	24	2
5	Interfacial Superconductivity Achieved in Parent AEFeAs (AE = Ca, Sr, Ba) by a Simple and Realistic Annealing Route. *Nano Letters*, **2021**, 21, 2191-2198	11.5	1
4	Oxygenation of Diamond Surfaces via Hummer□ Method. *Chemistry of Materials*, **2021**, 33, 4977-4987	9.6	1
3	Functional group tuning of two-dimensional carbon nanosheets for boosting oxygen reduction electrocatalysis. *Carbon*, **2021**, 185, 395-403	10.4	1
2	Simple in situ functionalization of carbon nanospheres. *Nanotechnology*, **2021**, 32, 085602	3.4	0
1	Quantitative in-situ study of strength-governed interfacial failure between h-BN and polymer-derived ceramic. *Acta Materialia*, **2021**, 210, 116832	8.4	0