

Yang Gao

List of Publications by Year in descending order

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80
papers

1,287
citations

471509

17
h-index

414414

32
g-index

80
all docs

80
docs citations

80
times ranked

2377
citing authors

#	ARTICLE	IF	CITATIONS
1	The Sloan Digital Sky Survey Reverberation Mapping Project: H β and H γ Reverberation Measurements from First-year Spectroscopy and Photometry. <i>Astrophysical Journal</i> , 2017, 851, 21.	4.5	168
2	Rational design of nitrogen doped hierarchical porous carbon for optimized zinc-ion hybrid supercapacitors. <i>Nano Research</i> , 2019, 12, 2835-2841.	10.4	144
3	Rh-catalyzed decarbonylation of conjugated ynones via carbon-alkyne bond activation: reaction scope and mechanistic exploration via DFT calculations. <i>Chemical Science</i> , 2015, 6, 3201-3210.	7.4	64
4	Global impact of atmospheric arsenic on health risk: 2005 to 2015. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 13975-13982.	7.1	61
5	miR-145 inhibits invasion of bladder cancer cells by targeting PAK111This study was supported by National Natural Science Foundation of China (No. 81372279 to P. Guo).. <i>Urologic Oncology: Seminars and Original Investigations</i> , 2014, 32, 846-854.	1.6	54
6	BiOBr/BiOF composites for efficient degradation of rhodamine B and nitrobenzene under visible light irradiation. <i>Journal of Colloid and Interface Science</i> , 2017, 490, 812-818.	9.4	48
7	Development and Assessment of a High-Resolution Biogenic Emission Inventory from Urban Green Spaces in China. <i>Environmental Science & Technology</i> , 2022, 56, 175-184.	10.0	35
8	Highly Crystallized Co ₂ Mo ₃ O ₈ Hexagonal Nanoplates Interconnected by Coal-Derived Carbon via the Molten-Salt-Assisted Method for Competitive Li-Ion Battery Anodes. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 7006-7013.	8.0	32
9	Impacts of biogenic emissions from urban landscapes on summer ozone and secondary organic aerosol formation in megacities. <i>Science of the Total Environment</i> , 2022, 814, 152654.	8.0	32
10	Threat by marine heatwaves to adaptive large marine ecosystems in an eddy-resolving model. <i>Nature Climate Change</i> , 2022, 12, 179-186.	18.8	32
11	Peapod-like CNT@V ₂ O ₃ with Superior Electrochemical Performance as an Anode for Lithium-Ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 14614-14620.	6.7	26
12	Curcumin enhances temsirolimus-induced apoptosis in human renal carcinoma cells through upregulation of YAP/p53. <i>Oncology Letters</i> , 2016, 12, 4999-5006.	1.8	24
13	Effect of surgical margin on recurrence based on preoperative circulating tumor cell status in hepatocellular carcinoma. <i>EBioMedicine</i> , 2020, 62, 103107.	6.1	23
14	Physical Forces Inducing Thin Amorphous Carbon Nanotubes Derived from Polymer Nanotube/SiO ₂ Hybrids with Superior Rate Capability for Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 36985-36990.	8.0	20
15	The climate impact on atmospheric stagnation and capability of stagnation indices in elucidating the haze events over North China Plain and Northeast China. <i>Chemosphere</i> , 2020, 258, 127335.	8.2	20
16	Revealing the modulation of boundary conditions and governing processes on ozone formation over northern China in June 2017. <i>Environmental Pollution</i> , 2021, 272, 115999.	7.5	20
17	Unveiling the dipole synergic effect of biogenic and anthropogenic emissions on ozone concentrations. <i>Science of the Total Environment</i> , 2022, 818, 151722.	8.0	20
18	Radiative lifetime measurements of some Tm I and Tm II levels by time-resolved laser spectroscopy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 457, 1393-1398.	4.4	17

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19	Impact of wildfire on particulate matter in the southeastern United States in November 2016. <i>Science of the Total Environment</i> , 2020, 724, 138354.	8.0	17
20	2D Ti3C2 MXene embedded with Co(II)(OH) _n nanoparticles as the cathode material for hybrid magnesium–lithium-ion batteries. <i>Journal of Materials Science</i> , 2021, 56, 2464-2473.	3.7	17
21	A high-performance rechargeable Mg ²⁺ /Li ⁺ hybrid battery using CNT@TiO ₂ nanocables as the cathode. <i>Journal of Colloid and Interface Science</i> , 2021, 581, 307-313.	9.4	16
22	Generation of Internal-Image Functional Aptamers of Okadaic Acid via Magnetic-Bead SELEX. <i>Marine Drugs</i> , 2015, 13, 7433-7445.	4.6	15
23	Syntheses of sceptrins and nakamuric acid and insights into the biosyntheses of pyrrole–imidazole dimers. <i>Organic Chemistry Frontiers</i> , 2015, 2, 978-984.	4.5	15
24	Mechanical and Electrical Noise in Sense Channel of MEMS Vibratory Gyroscopes. <i>Sensors</i> , 2017, 17, 2306.	3.8	15
25	Effect of the adhesion of Ag coatings on the effectiveness and durability of antibacterial properties. <i>Journal of Materials Science</i> , 2018, 53, 4759-4767.	3.7	14
26	Automatic Frequency Tuning Technology for Dual-Mass MEMS Gyroscope Based on a Quadrature Modulation Signal. <i>Micromachines</i> , 2018, 9, 511.	2.9	14
27	LiCrTiO ₄ Nanowires as High-Performance Cathodes for Magnesium–Lithium Hybrid Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 14539-14544.	6.7	14
28	Catalytic oxidation of benzene over alumina-supported Cu-Mn-Ce mixed oxide catalysts. <i>Korean Journal of Chemical Engineering</i> , 2020, 37, 54-64.	2.7	14
29	Observation Constrained Aromatic Emissions in Shanghai, China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD031815.	3.3	13
30	METTL3/IGF2BP1/CD47 contributes to the sublethal heat treatment induced mesenchymal transition in HCC. <i>Biochemical and Biophysical Research Communications</i> , 2021, 546, 169-177.	2.1	13
31	Characterizing the distinct modulation of future emissions on summer ozone concentrations between urban and rural areas over China. <i>Science of the Total Environment</i> , 2022, 820, 153324.	8.0	13
32	Nonlinear effect of air pollution on adult pneumonia hospital visits in the coastal city of Qingdao, China: A time-series analysis. <i>Environmental Research</i> , 2022, 209, 112754.	7.5	13
33	Effects of Laser Energies on Wear and Tensile Properties of Biomimetic 7075 Aluminum Alloy. <i>Journal of Materials Engineering and Performance</i> , 2018, 27, 1361-1368.	2.5	12
34	Borophene Nanoribbons via Strain Engineering for the Hydrogen Evolution Reaction: A First-Principles Study. <i>Journal of Physical Chemistry C</i> , 2021, 125, 16955-16962.	3.1	12
35	The striking effect of vertical mixing in the planetary boundary layer on new particle formation in the Yangtze River Delta. <i>Science of the Total Environment</i> , 2022, 829, 154607.	8.0	11
36	Preparation of a Specific ssDNA Aptamer for Brevetoxin-2 Using SELEX. <i>Journal of Analytical Methods in Chemistry</i> , 2016, 2016, 1-8.	1.6	10

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37	Feasible development of stable HEK293 clones by CRISPR/Cas9-mediated site-specific integration for biopharmaceuticals production. <i>Biotechnology Letters</i> , 2019, 41, 941-950.	2.2	10
38	Rational design of FeTiO ₃ /C hybrid nanotubes: promising lithium ion anode with enhanced capacity and cycling performance. <i>Chemical Communications</i> , 2020, 56, 12640-12643.	4.1	10
39	Porous bamboo-like <i>scs</i> CNTs prepared by a simple and low-cost steam activation for supercapacitors. <i>International Journal of Energy Research</i> , 2020, 44, 10946-10952.	4.5	10
40	Competitive Uptake of Dimethylamine and Trimethylamine against Ammonia on Acidic Particles in Marine Atmospheres. <i>Environmental Science & Technology</i> , 2022, 56, 5430-5439.	10.0	10
41	A Lever Coupling Mechanism in Dual-Mass Micro-Gyroscopes for Improving the Shock Resistance along the Driving Direction. <i>Sensors</i> , 2017, 17, 995.	3.8	9
42	Single domain antibody-based vectors in the delivery of biologics across the blood-brain barrier: a review. <i>Drug Delivery and Translational Research</i> , 2021, 11, 1818-1828.	5.8	9
43	Deciphering the effects of CeO ₂ nanoparticles on <i>Escherichia coli</i> in the presence of ferrous and sulfide ions: Physicochemical transformation-induced toxicity and detoxification mechanisms. <i>Journal of Hazardous Materials</i> , 2021, 413, 125300.	12.4	9
44	Rethinking the causes of extreme heavy winter PM _{2.5} pollution events in northern China. <i>Science of the Total Environment</i> , 2021, 794, 148637.	8.0	9
45	Design and Implementation of a Dual-Mass MEMS Gyroscope with High Shock Resistance. <i>Sensors</i> , 2018, 18, 1037.	3.8	8
46	Development of a Sensitive <i>Escherichia coli</i> Bioreporter Without Antibiotic Markers for Detecting Bioavailable Copper in Water Environments. <i>Frontiers in Microbiology</i> , 2020, 10, 3031.	3.5	8
47	Assembly and Property Study of a Keggin-Based Inorganic-Organic Supramolecular Compound. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2014, 24, 706-712.	3.7	7
48	Li(Na) ₂ FeSiO ₄ /C hybrid nanotubes: promising anode materials for lithium/sodium ion batteries. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 4438-4444.	6.0	7
49	Effect of <i>scs</i> CO ₂ <i>scs</i> atmosphere on biomass pyrolysis and <i>in-line</i> catalytic reforming. <i>International Journal of Energy Research</i> , 2020, 44, 8936-8950.	4.5	6
50	X-ray studies of conformation: observation of conformational polymorphism of a glycoluril clip. <i>CrystEngComm</i> , 2015, 17, 2245-2249.	2.6	5
51	A pH-triggered charge reversal and self-fluorescent micelle as a smart nanocarrier for doxorubicin controlled release. <i>Journal of Polymer Research</i> , 2017, 24, 1.	2.4	5
52	Location-Aware Worker Selection for Mobile Opportunistic Crowdsensing in VANETs. , 2017, , .		5
53	Influence of Aging Time on Microstructure and Corrosion Behavior of a Cu-Bearing 17Cr-1Si-0.5Nb Ferritic Heat-Resistant Stainless Steel. <i>Acta Metallurgica Sinica (English Letters)</i> , 2020, 33, 1289-1301.	2.9	5
54	A precision adjustable trajectory planning scheme for UAV-based data collection in IoTs. <i>Peer-to-Peer Networking and Applications</i> , 2021, 14, 655-671.	3.9	5

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55	CEBD: Contact-Evidence-Driven Blackhole Detection Based on Machine Learning in OppNets. IEEE Transactions on Computational Social Systems, 2021, 8, 1344-1356.	4.4	5
56	Optimal estimation of initial concentrations and emission sources with 4D-Var for air pollution prediction in a 2D transport model. Science of the Total Environment, 2021, 773, 145580.	8.0	5
57	Patient-Derived Xenograft Models for Intrahepatic Cholangiocarcinoma and Their Application in Guiding Personalized Medicine. Frontiers in Oncology, 2021, 11, 704042.	2.8	5
58	Wet deposition of atmospheric selenium and sensitivity to emission and precipitation patterns. Science of the Total Environment, 2022, 835, 155402.	8.0	5
59	ELECTRIC DOUBLE LAYER CAPACITORS WITH CARBON NANOTUBES ELECTRODES AND GEL POLYMER/POLYACID ELECTROLYTES. Surface Review and Letters, 2008, 15, 245-248.	1.1	4
60	Construction of the NaTi ₂ (PO ₄) ₃ /C electrode with a one-dimensional porous hybrid structure as an advanced anode for sodium-ion batteries. Dalton Transactions, 2020, 49, 4680-4684.	3.3	4
61	The enhanced role of atmospheric reduced nitrogen deposition in future over East Asia—Northwest Pacific. Science of the Total Environment, 2022, 833, 155146.	8.0	4
62	Effects of disturbance on regeneration of Abies fabri forests at the upper reaches of the Yangtze River. Forestry Studies in China, 2007, 9, 27-32.	0.4	3
63	Design and analysis of a novel dual-mass MEMS resonant output gyroscope. AIP Advances, 2018, 8, .	1.3	3
64	Collaborative Route Plan for Parking Sites Selection in Bike-Sharing Systems. , 2018, , .		3
65	Dataset for Scheduling Strategies for Microgrids Coupled with Natural Gas Networks. Data, 2019, 4, 24.	2.3	3
66	A PhoA-STII Based Method for Efficient Extracellular Secretion and Purification of Fab from Escherichia coli. Bio-protocol, 2019, 9, e3370.	0.4	3
67	Joint flight scheduling and task allocation for secure data collection in UAV-aided IoTs. Computer Networks, 2022, 207, 108849.	5.1	3
68	The Impact of Meteorology and Emissions on Surface Ozone in Shandong Province, China, during Summer 2014—2019. International Journal of Environmental Research and Public Health, 2022, 19, 6758.	2.6	3
69	Design and Simulation of a Micromechanical Silicon Resonant Accelerometer with Low Temperature Sensitivity. , 2018, , .		2
70	Demodulation phase angle compensation for quadrature error in decoupled dual-mass MEMS gyroscope. Journal of Micro/ Nanolithography, MEMS, and MOEMS, 2018, 17, 1.	0.9	2
71	Global Path Planning of Mobile Robot Based on Particle Filter. , 2009, , .		1
72	Preparation of microgel composite hydrogels by heating natural drying microgel composite polymers. Journal of Applied Polymer Science, 2014, 131, .	2.6	1

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73	High photoelectric PPV/PVA/Ag composite nanofibers by co-electrospinning. Journal of Polymer Engineering, 2015, 35, 689-697.	1.4	1
74	POF: Probability-Driven Opportunistic Forwarding for Bike-Sharing System. IEEE Access, 2019, 7, 52214-52225.	4.2	1
75	Alcohol inhibits morphine/cocaine reward memory acquisition and reconsolidation in rats. Psychopharmacology, 2020, 237, 1043-1053.	3.1	1
76	Study of electrochemical supercapacitors utilizing carbon nanotubes electrodes and PVA-hybrid polyacid electrolytes. , 2008, , .		0
77	A novel fully-decoupled dual-mass silicon micromachined gyroscope. , 2016, , .		0
78	User Profiling with Campus Wi-Fi Access Trace and Network Traffic. , 2019, , .		0
79	Synthesis of Porous Carbon Nanotubes@LiVTiO ₄ Composites and Their Advanced Electrochemical Properties for Lithium-Ion Batteries. Energy Technology, 2020, 8, 1901347.	3.8	0
80	Analytical Optimal Solution of Selfish Node Detection with 2-hop Constraints in OppNets. , 2021, , .		0