

Zhi-bei Qu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

37
papers

1,308
citations

15
h-index

36
g-index

44
ext. papers

1,650
ext. citations

10.8
avg, IF

4.49
L-index

#	Paper	IF	Citations
37	Mechanism of diastereoisomer-induced chirality of BiOBr.. <i>Chemical Science</i> , 2022 , 13, 2450-2455	9.4	1
36	Drug Development in the Field of Sphingolipid Metabolism.. <i>Advances in Experimental Medicine and Biology</i> , 2022 , 1372, 169-188	3.6	
35	Tailoring Oxygen-Containing Groups on Graphene for Ratiometric Electrochemical Measurements of Ascorbic Acid in Living Subacute Parkinson's Disease Mouse Brains. <i>Analytical Chemistry</i> , 2021 ,	7.8	2
34	Poly-Adenine-Based Spherical Nucleic Acids for Efficient Live-Cell MicroRNA Capture. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 14438-14445	16.4	3
33	Poly-Adenine-Based Spherical Nucleic Acids for Efficient Live-Cell MicroRNA Capture. <i>Angewandte Chemie</i> , 2021 , 133, 14559-14566	3.6	
32	Metal-Bridged Graphene-Protein Supraparticles for Analog and Digital Nitric Oxide Sensing. <i>Advanced Materials</i> , 2021 , 33, e2007900	24	3
31	Prescribing Silver Chirality with DNA Origami. <i>Journal of the American Chemical Society</i> , 2021 , 143, 8639-8646	16.4	12
30	DNA Framework-Engineered Long-Range Electrostatic Interactions for DNA Hybridization Reactions. <i>Angewandte Chemie</i> , 2021 , 133, 16829-16835	3.6	
29	DNA Framework-Engineered Long-Range Electrostatic Interactions for DNA Hybridization Reactions. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 16693-16699	16.4	7
28	Probing Transient DNA Conformation Changes with an Intercalative Fluorescent Excimer. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 6624-6630	16.4	2
27	Probing Transient DNA Conformation Changes with an Intercalative Fluorescent Excimer. <i>Angewandte Chemie</i> , 2021 , 133, 6698-6704	3.6	
26	Encoding quantized fluorescence states with fractal DNA frameworks. <i>Nature Communications</i> , 2020 , 11, 2185	17.4	15
25	Near-IR emissive rare-earth nanoparticles for guided surgery. <i>Theranostics</i> , 2020 , 10, 2631-2644	12.1	20
24	Emergence of complexity in hierarchically organized chiral particles. <i>Science</i> , 2020 , 368, 642-648	33.3	85
23	Diverse Nanoassemblies of Graphene Quantum Dots and Their Mineralogical Counterparts. <i>Angewandte Chemie</i> , 2020 , 132, 8620-8629	3.6	2
22	Programming nanoparticle valence bonds with single-stranded DNA encoders. <i>Nature Materials</i> , 2020 , 19, 781-788	27	88
21	Diverse Nanoassemblies of Graphene Quantum Dots and Their Mineralogical Counterparts. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 8542-8551	16.4	16

20	Bio-functional G-molecular hydrogels for accelerated wound healing. <i>Materials Science and Engineering C</i> , 2019 , 105, 110067	8.3	14
19	Gold nanoflower-based surface-enhanced Raman probes for pH mapping of tumor cell microenvironment. <i>Cell Proliferation</i> , 2019 , 52, e12618	7.9	7
18	Anti-Biofilm Activity of Graphene Quantum Dots via Self-Assembly with Bacterial Amyloid Proteins. <i>ACS Nano</i> , 2019 , 13, 4278-4289	16.7	39
17	The Marriage of Protein and Lanthanide: Unveiling a Time-Resolved Fluorescence Sensor Array Regulated by pH toward High-Throughput Assay of Metal Ions in Biofluids. <i>Analytical Chemistry</i> , 2019 , 91, 11170-11177	7.8	40
16	Structural and positional impact on DNAzyme-based electrochemical sensors for metal ions. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019 , 21, 102035	6	3
15	Black Phosphorus-Graphene Heterostructure-Supported Pd Nanoparticles with Superior Activity and Stability for Ethanol Electro-oxidation. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 5136-5145	9.5	80
14	Colorimetric Detection of Carcinogenic Aromatic Amine Using Layer-by-Layer Graphene Oxide/Cytochrome c Composite. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 11350-11360	9.5	5
13	Assembly of mesoscale helices with near-unity enantiomeric excess and light-matter interactions for chiral semiconductors. <i>Science Advances</i> , 2017 , 3, e1601159	14.3	96
12	Nanomolar sensitive colorimetric assay for Mn using cysteic acid-capped silver nanoparticles and theoretical investigation of its sensing mechanism. <i>Analytica Chimica Acta</i> , 2017 , 980, 65-71	6.6	9
11	Chiral Ceramic Nanoparticles and Peptide Catalysis. <i>Journal of the American Chemical Society</i> , 2017 , 139, 13701-13712	16.4	67
10	Chiral Graphene Quantum Dots. <i>ACS Nano</i> , 2016 , 10, 1744-55	16.7	216
9	A novel composite of graphene quantum dots and molecularly imprinted polymer for fluorescent detection of parantrophenol. <i>Biosensors and Bioelectronics</i> , 2014 , 52, 317-23	11.8	199
8	DNA-based sensitization of Tb ³⁺ luminescence regulated by Ag ⁺ and cysteine: use as a logic gate and a H ₂ O ₂ sensor. <i>Chemical Communications</i> , 2014 , 50, 4677-9	5.8	38
7	Time-resolved probes and oxidase-based biosensors using terbium(III)-guanosine monophosphate-mercury(II) coordination polymer nanoparticles. <i>Chemical Communications</i> , 2014 , 50, 12855-8	5.8	43
6	A single-wavelength-emitting ratiometric probe based on phototriggered fluorescence switching of graphene quantum dots. <i>Chemistry - A European Journal</i> , 2014 , 20, 13777-82	4.8	8
5	Boronic acid functionalized graphene quantum dots as a fluorescent probe for selective and sensitive glucose determination in microdialysate. <i>Chemical Communications</i> , 2013 , 49, 9830-2	5.8	160
4	Hybrid nanotube-graphene junctions: spin degeneracy breaking and tunable electronic structure. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 20281-7	3.6	5
3	Coronal multi-walled silicon nanotubes. <i>Journal of Energy Chemistry</i> , 2013 , 22, 408-412	12	6

2 CO Oxidation by Lattice Oxygen on V₂O₅ Nanotubes. *Journal of Physical Chemistry C*, **2011**, 115, 14806-14811 16

1 Phase transferring luminescent gold nanoclusters via single-stranded DNA. *Science China Chemistry*, 1 7.9 0