

# Zhi-bei Qu

## List of Publications by Citations

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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	Chiral Graphene Quantum Dots. <i>ACS Nano</i> , <b>2016</b> , 10, 1744-55	16.7	216
36	A novel composite of graphene quantum dots and molecularly imprinted polymer for fluorescent detection of paranitrophenol. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 52, 317-23	11.8	199
35	Boronic acid functionalized graphene quantum dots as a fluorescent probe for selective and sensitive glucose determination in microdialysate. <i>Chemical Communications</i> , <b>2013</b> , 49, 9830-2	5.8	160
34	Assembly of mesoscale helices with near-unity enantiomeric excess and light-matter interactions for chiral semiconductors. <i>Science Advances</i> , <b>2017</b> , 3, e1601159	14.3	96
33	Programming nanoparticle valence bonds with single-stranded DNA encoders. <i>Nature Materials</i> , <b>2020</b> , 19, 781-788	27	88
32	Emergence of complexity in hierarchically organized chiral particles. <i>Science</i> , <b>2020</b> , 368, 642-648	33.3	85
31	Black Phosphorus-Graphene Heterostructure-Supported Pd Nanoparticles with Superior Activity and Stability for Ethanol Electro-oxidation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 5136-5145	9.5	80
30	Chiral Ceramic Nanoparticles and Peptide Catalysis. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 13701-13712	16.4	67
29	Time-resolved probes and oxidase-based biosensors using terbium(III)-guanosine monophosphate-mercury(II) coordination polymer nanoparticles. <i>Chemical Communications</i> , <b>2014</b> , 50, 12855-8	5.8	43
28	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> , <b>2019</b> , 91, 11170-11177	7.8	40
27	Anti-Biofilm Activity of Graphene Quantum Dots via Self-Assembly with Bacterial Amyloid Proteins. <i>ACS Nano</i> , <b>2019</b> , 13, 4278-4289	16.7	39
26	DNA-based sensitization of Tb <sup>3+</sup> luminescence regulated by Ag <sup>+</sup> and cysteine: use as a logic gate and a H <sub>2</sub> O <sub>2</sub> sensor. <i>Chemical Communications</i> , <b>2014</b> , 50, 4677-9	5.8	38
25	Near-IR emissive rare-earth nanoparticles for guided surgery. <i>Theranostics</i> , <b>2020</b> , 10, 2631-2644	12.1	20
24	CO Oxidation by Lattice Oxygen on V <sub>2</sub> O <sub>5</sub> Nanotubes. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 14806-14811	14.8	16
23	Diverse Nanoassemblies of Graphene Quantum Dots and Their Mineralogical Counterparts. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 8542-8551	16.4	16
22	Encoding quantized fluorescence states with fractal DNA frameworks. <i>Nature Communications</i> , <b>2020</b> , 11, 2185	17.4	15
21	Bio-functional G-molecular hydrogels for accelerated wound healing. <i>Materials Science and Engineering C</i> , <b>2019</b> , 105, 110067	8.3	14

20	Prescribing Silver Chirality with DNA Origami. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 8639-8646	12
19	Nanomolar sensitive colorimetric assay for Mn using cysteic acid-capped silver nanoparticles and theoretical investigation of its sensing mechanism. <i>Analytica Chimica Acta</i> , <b>2017</b> , 980, 65-71	6.6 9
18	A single-wavelength-emitting ratiometric probe based on phototriggered fluorescence switching of graphene quantum dots. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 13777-82	4.8 8
17	Gold nanoflower-based surface-enhanced Raman probes for pH mapping of tumor cell microenvironment. <i>Cell Proliferation</i> , <b>2019</b> , 52, e12618	7.9 7
16	DNA Framework-Engineered Long-Range Electrostatic Interactions for DNA Hybridization Reactions. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 16693-16699	16.4 7
15	Coronal multi-walled silicon nanotubes. <i>Journal of Energy Chemistry</i> , <b>2013</b> , 22, 408-412	12 6
14	Colorimetric Detection of Carcinogenic Aromatic Amine Using Layer-by-Layer Graphene Oxide/Cytochrome c Composite. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 11350-11360	9.5 5
13	Hybrid nanotube-graphene junctions: spin degeneracy breaking and tunable electronic structure. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 20281-7	3.6 5
12	Structural and positional impact on DNAzyme-based electrochemical sensors for metal ions. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2019</b> , 21, 102035	6 3
11	Poly-Adenine-Based Spherical Nucleic Acids for Efficient Live-Cell MicroRNA Capture. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 14438-14445	16.4 3
10	Metal-Bridged Graphene-Protein Supraparticles for Analog and Digital Nitric Oxide Sensing. <i>Advanced Materials</i> , <b>2021</b> , 33, e2007900	24 3
9	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> , <b>2021</b> ,	7.8 2
8	Diverse Nanoassemblies of Graphene Quantum Dots and Their Mineralogical Counterparts. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 8620-8629	3.6 2
7	Probing Transient DNA Conformation Changes with an Intercalative Fluorescent Excimer. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 6624-6630	16.4 2
6	Mechanism of diastereoisomer-induced chirality of BiOBr.. <i>Chemical Science</i> , <b>2022</b> , 13, 2450-2455	9.4 1
5	Phase transferring luminescent gold nanoclusters via single-stranded DNA. <i>Science China Chemistry</i> , <b>2021</b> , 64, 1455-1460	7.9 0
4	Poly-Adenine-Based Spherical Nucleic Acids for Efficient Live-Cell MicroRNA Capture. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 14559-14566	3.6
3	DNA Framework-Engineered Long-Range Electrostatic Interactions for DNA Hybridization Reactions. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 16829-16835	3.6

- 2 Probing Transient DNA Conformation Changes with an Intercalative Fluorescent Excimer. *Angewandte Chemie*, **2021**, 133, 6698-6704 3.6
- 1 Drug Development in the Field of Sphingolipid Metabolism.. *Advances in Experimental Medicine and Biology*, **2022**, 1372, 169-188 3.6