

# Zidong Wang

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

3,164  
citations

394421

19  
h-index

677142

22  
g-index

22  
all docs

22  
docs citations

22  
times ranked

3972  
citing authors

#	ARTICLE	IF	CITATIONS
1	DNA-Encoded Tuning of Geometric and Plasmonic Properties of Nanoparticles Growing from Gold Nanorod Seeds. <i>Angewandte Chemie</i> , 2015, 127, 8232-8236.	2.0	17
2	DNA-Encoded Tuning of Geometric and Plasmonic Properties of Nanoparticles Growing from Gold Nanorod Seeds. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 8114-8118.	13.8	109
3	Mechanistic Insight into DNA-Guided Control of Nanoparticle Morphologies. <i>Journal of the American Chemical Society</i> , 2015, 137, 14456-14464.	13.7	84
4	Enhanced and tunable fluorescent quantum dots within a single crystal of protein. <i>Nano Research</i> , 2013, 6, 627-634.	10.4	24
5	DNA Detection Using Plasmonic Enhanced Near-Infrared Photoluminescence of Gallium Arsenide. <i>Analytical Chemistry</i> , 2013, 85, 9522-9527.	6.5	33
6	pH-Dependent Evolution of Five-Star Gold Nanostructures: An Experimental and Computational Study. <i>ACS Nano</i> , 2013, 7, 2258-2265.	14.6	33
7	DNA-Directed Assembly of Asymmetric Nanoclusters Using Janus Nanoparticles. <i>ACS Nano</i> , 2012, 6, 802-809.	14.6	93
8	Discovery of the DNA "Genetic Code" for Abiological Gold Nanoparticle Morphologies. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 9078-9082.	13.8	128
9	DNAzyme-Based Sensing for Metal Ions in Ocean Platform. <i>Springer Protocols</i> , 2012, , 103-116.	0.3	2
10	Time-dependent, protein-directed growth of gold nanoparticles within a single crystal of lysozyme. <i>Nature Nanotechnology</i> , 2011, 6, 93-97.	31.5	195
11	Lysozyme-stabilized gold fluorescent cluster: Synthesis and application as Hg <sup>2+</sup> sensor. <i>Analyst</i> , The, 2010, 135, 1406.	3.5	405
12	DNA-Mediated Control of Metal Nanoparticle Shape: One-Pot Synthesis and Cellular Uptake of Highly Stable and Functional Gold Nanoflowers. <i>Nano Letters</i> , 2010, 10, 1886-1891.	9.1	278
13	Controlled Alignment of Multiple Proteins and Nanoparticles with Nanometer Resolution via Backbone-Modified Phosphorothioate DNA and Bifunctional Linkers. <i>Journal of the American Chemical Society</i> , 2010, 132, 8906-8908.	13.7	48
14	Label-Free Fluorescent Functional DNA Sensors Using Unmodified DNA: A Vacant Site Approach. <i>Analytical Chemistry</i> , 2010, 82, 4122-4129.	6.5	106
15	Catalytic and Molecular Beacons for Amplified Detection of Metal Ions and Organic Molecules with High Sensitivity. <i>Analytical Chemistry</i> , 2010, 82, 5005-5011.	6.5	217
16	Functional DNA directed assembly of nanomaterials for biosensing. <i>Journal of Materials Chemistry</i> , 2009, 19, 1788.	6.7	129
17	Label-Free Colorimetric Detection of Lead Ions with a Nanomolar Detection Limit and Tunable Dynamic Range by using Gold Nanoparticles and DNAzyme. <i>Advanced Materials</i> , 2008, 20, 3263-3267.	21.0	426
18	Highly Sensitive and Selective Colorimetric Sensors for Uranyl (UO <sub>2</sub> <sup>2+</sup> ): Development and Comparison of Labeled and Label-Free DNAzyme-Gold Nanoparticle Systems. <i>Journal of the American Chemical Society</i> , 2008, 130, 14217-14226.	13.7	441

#	ARTICLE	IF	CITATIONS
19	Highly sensitive "turn-on" fluorescent sensor for Hg <sup>2+</sup> in aqueous solution based on structure-switching DNA. <i>Chemical Communications</i> , 2008, , 6005.	4.1	253
20	Site-Specific Control of Distances between Gold Nanoparticles Using Phosphorothioate Anchors on DNA and a Short Bifunctional Molecular Fastener. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 9006-9010.	13.8	102