

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
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22
all docs

22
docs citations

22
times ranked

3972
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Sensitive and Selective Colorimetric Sensors for Uranyl (UO_2^{2+}): 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
2	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
3	Lysozyme-stabilized gold fluorescent cluster: Synthesis and application as Hg^{2+} sensor. <i>Analyst</i> , The, 2010, 135, 1406.	3.5	405
4	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
5	Highly sensitive "turn-on" fluorescent sensor for Hg^{2+} in aqueous solution based on structure-switching DNA. <i>Chemical Communications</i> , 2008, , 6005.	4.1	253
6	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
7	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
8	Functional DNA directed assembly of nanomaterials for biosensing. <i>Journal of Materials Chemistry</i> , 2009, 19, 1788.	6.7	129
9	Discovery of the DNA "Genetic Code" for Abiological Gold Nanoparticle Morphologies. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 9078-9082.	13.8	128
10	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
11	Label-Free Fluorescent Functional DNA Sensors Using Unmodified DNA: A Vacant Site Approach. <i>Analytical Chemistry</i> , 2010, 82, 4122-4129.	6.5	106
12	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
13	DNA-Directed Assembly of Asymmetric Nanoclusters Using Janus Nanoparticles. <i>ACS Nano</i> , 2012, 6, 802-809.	14.6	93
14	Mechanistic Insight into DNA-Guided Control of Nanoparticle Morphologies. <i>Journal of the American Chemical Society</i> , 2015, 137, 14456-14464.	13.7	84
15	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
16	DNA Detection Using Plasmonic Enhanced Near-Infrared Photoluminescence of Gallium Arsenide. <i>Analytical Chemistry</i> , 2013, 85, 9522-9527.	6.5	33
17	pH-Dependent Evolution of Five-Star Gold Nanostructures: An Experimental and Computational Study. <i>ACS Nano</i> , 2013, 7, 2258-2265.	14.6	33
18	Enhanced and tunable fluorescent quantum dots within a single crystal of protein. <i>Nano Research</i> , 2013, 6, 627-634.	10.4	24

#	ARTICLE	IF	CITATIONS
19	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
20	DNAzyme-Based Sensing for Metal Ions in Ocean Platform. <i>Springer Protocols</i> , 2012, , 103-116.	0.3	2