Guoqing Wang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7251760/publications.pdf

Version: 2024-02-01

58	1,971	257101 24	253896 43
papers	citations	h-index	g-index

60	60	60	2505
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Colloidal Au nanoplates: Synthesis, properties, and applications. , 2022, , .		0
2	A ZnFe₂O₄-catalyzed segment imprinted polymer on a three-dimensional origami paper-based microfluidic chip for the detection of microcystin. Analyst, The, 2022, 147, 1060-1065.	1.7	11
3	Hierarchical Au Nanoisland Arrays for Anticounterfeiting Surface-Enhanced Raman Scattering Stamps. ACS Applied Nano Materials, 2022, 5, 965-971.	2.4	6
4	A microscopic survey on microplastics in beverages: the case of beer, mineral water and tea. Analyst, The, 2022, 147, 1099-1105.	1.7	42
5	Hysteresis in the Thermo-Responsive Assembly of Hexa(ethylene glycol) Derivative-Modified Gold Nanodiscs as an Effect of Shape. Nanomaterials, 2022, 12, 1421.	1.9	4
6	Distinct chemical adsorption behaviors of sulfanilamide as a model antibiotic onto weathered microplastics in complex systems. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 648, 129337.	2.3	20
7	Microplastics exposure as an emerging threat to ancient lineage: A contaminant of concern for abnormal bending of amphioxus via neurotoxicity. Journal of Hazardous Materials, 2022, 438, 129454.	6.5	11
8	Range-tunable plasmon switching of gold nanorods by terminal breathing of surface-grafted DNA in alcoholic solvents. Journal of Materials Chemistry C, 2021, 9, 5105-5112.	2.7	6
9	Chemical Redox-Modulated Etching of Plasmonic Nanoparticles for Nitrite Detection: Comparison Among Gold Nanosphere, Nanorod, and Nanotriangle. Journal of Analysis and Testing, 2021, 5, 350-359.	2.5	15
10	DNA Base Pair Stacking Assembly of Anisotropic Nanoparticles for Biosensing and Ordered Assembly. Analytical Sciences, 2021, 37, 415-419.	0.8	11
11	Identifying Exogenous DNA in Liquid Foods by Gold Nanoparticles: Potential Applications in Traceability. ACS Food Science & Technology, 2021, 1, 605-613.	1.3	11
12	Non-origami DNA for functional nanostructures: From structural control to advanced applications. Nano Today, 2021, 39, 101154.	6.2	22
13	SERS-based test strips: Principles, designs and applications. Biosensors and Bioelectronics, 2021, 189, 113360.	5.3	100
14	Plasmon switching of gold nanoparticles through thermo-responsive terminal breathing of surface-grafted DNA in hydrated ionic liquids. Analyst, The, 2021, 146, 4154-4160.	1.7	4
15	Gold nanoplates with superb photothermal efficiency and peroxidase-like activity for rapid and synergistic antibacterial therapy. Chemical Communications, 2021, 57, 1133-1136.	2.2	46
16	Introducing DNA Nanosensor to Undergraduate Students: Rapid Non-Cross-Linking Aggregation of DNA-Functionalized Gold Nanoparticles for Colorimetric DNA Assay. Journal of Chemical Education, 2021, 98, 3553-3559.	1.1	12
17	Delivery of synergistic polyphenol combinations using biopolymer-based systems: Advances in physicochemical properties, stability and bioavailability. Critical Reviews in Food Science and Nutrition, 2020, 60, 2083-2097.	5.4	94
18	Hierarchical growth of Au nanograss with intense built-in hotspots for plasmonic applications. Journal of Materials Chemistry C, 2020, 8, 16073-16082.	2.7	10

#	Article	IF	Citations
19	Opposite Effects of Flexible Single-Stranded DNA Regions and Rigid Loops in DNAzyme on Colloidal Nanoparticle Stability for â€œTurn-Onâ€•Plasmonic Detection of Lead Ions. ACS Applied Bio Materials, 2020, 3, 7003-7010.	2.3	29
20	Interfacing DNA with Gold Nanoparticles for Heavy Metal Detection. Biosensors, 2020, 10, 167.	2.3	24
21	Accelerated non-crosslinking assembly of DNA-functionalized nanoparticles in alcoholic solvents: for application in the identification of clear liquors. Analyst, The, 2020, 145, 3229-3235.	1.7	13
22	Facile Characterization of Topology of DNA Catenanes. Biophysical Journal, 2020, 118, 1702-1708.	0.2	2
23	Efficient Preparation of Largeâ€Sized Rings of Singleâ€Stranded DNA through Oneâ€Pot Ligation of Multiple Fragments. Chemistry - an Asian Journal, 2019, 14, 3251-3254.	1.7	7
24	Chemically Fueled Plasmon Switching of Gold Nanorods by Single-Base Pairing of Surface-Grafted DNA. Langmuir, 2019, 35, 11710-11716.	1.6	16
25	Non-Crosslinking Aggregation of DNA-Functionalized Gold Nanoparticles for Gene Diagnosis and Directed Assembly. ACS Symposium Series, 2019, , 119-138.	0.5	4
26	Colorimetric determination of mercury(II) ion based on DNA-assisted amalgamation: a comparison study on gold, silver and Ag@Au Nanoplates. Mikrochimica Acta, 2019, 186, 713.	2.5	14
27	Connecting Nanoparticles with Different Colloidal Stability by DNA for Programmed Anisotropic Self-Assembly. Journal of Physical Chemistry C, 2019, 123, 15293-15300.	1.5	11
28	Topologically Constrained Formation of Stable Z-DNA from Normal Sequence under Physiological Conditions. Journal of the American Chemical Society, 2019, 141, 7758-7764.	6.6	36
29	Regioselective DNA Modification and Directed Self-Assembly of Triangular Gold Nanoplates. Nanomaterials, 2019, 9, 581.	1.9	9
30	Shape-selective isolation of Au nanoplates from complex colloidal media by depletion flocculation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 568, 216-223.	2.3	20
31	Target-Recycling-Amplified Colorimetric Detection of Pollen Allergen Using Non-Cross-Linking Aggregation of DNA-Modified Gold Nanoparticles. ACS Sensors, 2019, 4, 363-369.	4.0	32
32	Folding of Nanoparticle Chains into 2D Arrays: Structural Change of DNAâ€Functionalized Gold Nanoparticle Assemblies. Advanced Materials Interfaces, 2018, 5, 1800189.	1.9	11
33	Enhanced dynamic nuclear polarization via swept microwave frequency combs. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 10576-10581.	3.3	45
34	Reversible Shrinkage of DNAâ€Functionalized Gold Nanoparticle Assemblies Revealed by Surface Plasmon Resonance. Biotechnology Journal, 2018, 13, e1800090.	1.8	11
35	Gold nanostructures with near-infrared plasmonic resonance: Synthesis and surface functionalization. Coordination Chemistry Reviews, 2017, 336, 28-42.	9.5	71
36	Directed Assembly of Gold Nanorods by Terminalâ€Base Pairing of Surfaceâ€Grafted DNA. Small, 2017, 13, 1702137.	5.2	41

#	Article	IF	Citations
37	Island Growth in the Seed-Mediated Overgrowth of Monometallic Colloidal Nanostructures. CheM, 2017, 3, 678-690.	5.8	61
38	Iodine-Mediated Etching of Triangular Gold Nanoplates for Colorimetric Sensing of Copper Ion and Aptasensing of Chloramphenicol. ACS Applied Materials & Interfaces, 2017, 9, 34518-34525.	4.0	70
39	Directed Assembly: Directed Assembly of Gold Nanorods by Terminal-Base Pairing of Surface-Grafted DNA (Small 44/2017). Small, 2017, 13, .	5.2	0
40	Dark field microscopic analysis of discrete Au nanostructures: Understanding the correlation of scattering with stoichiometry. Chemical Physics Letters, 2017, 684, 310-315.	1.2	6
41	Cross-Linking versus Non-Cross-Linking Aggregation of Gold Nanoparticles Induced by DNA Hybridization: A Comparison of the Rapidity of Solution Color Change. Bioconjugate Chemistry, 2017, 28, 270-277.	1.8	51
42	Rapid Naked-Eye Discrimination of Cytochrome P450 Genetic Polymorphism through Non-Crosslinking Aggregation of DNA-Functionalized Gold Nanoparticles. ChemistryOpen, 2016, 5, 507-507.	0.9	5
43	Rapid Nakedâ€Eye Discrimination of Cytochrome P450 Genetic Polymorphism through Nonâ€Crosslinking Aggregation of DNAâ€Functionalized Gold Nanoparticles. ChemistryOpen, 2016, 5, 508-512.	0.9	22
44	Rapid Nonâ€Crosslinking Aggregation of DNAâ€Functionalized Gold Nanorods and Nanotriangles for Colorimetric Singleâ€Nucleotide Discrimination. Chemistry - A European Journal, 2016, 22, 258-263.	1.7	48
45	High-yield halide-free synthesis of biocompatible Au nanoplates. Chemical Communications, 2016, 52, 398-401.	2.2	48
46	DNA-modulated photo-transformation of AgCl to silver nanoparticles: visiting the formation mechanism. Journal of Colloid and Interface Science, 2015, 452, 224-234.	5.0	13
47	DNA-templated plasmonic Ag/AgCl nanostructures for molecular selective photocatalysis and photocatalytic inactivation of cancer cells. Journal of Materials Chemistry B, 2013, 1, 5899.	2.9	29
48	DNA-Templated Self-Assembly of Conductive Nanowires. , 2012, , 911-914.		1
49	Novel charge transport in DNA-templated nanowires. Journal of Materials Chemistry, 2012, 22, 13691.	6.7	33
50	Sequenceâ€Specific Metallization of Single Divalent DNAâ€“Nanoparticle Conjugates: A Potential Route to Singleâ€Electron Devices. ChemPlusChem, 2012, 77, 592-597.	1.3	10
51	Inspiration from chemical photography: accelerated photoconversion of AgCl to functional silver nanoparticles mediated by DNA. Chemical Communications, 2011, 47, 9426.	2.2	46
52	Chemical redox-regulated mesoporous silica-coated goldnanorods for colorimetric probing of Hg2+ and S^{2â^'}. Analyst, The, 2011, 136, 174-178.	1.7	86
53	Mesoporous silica-coated gold nanorods: towards sensitive colorimetric sensing of ascorbic acid via target-induced silver overcoating. Nanoscale, 2011, 3, 1756.	2.8	116
54	Nanomaterial-assisted aptamers for optical sensing. Biosensors and Bioelectronics, 2010, 25, 1859-1868.	5.3	229

#	Article	IF	Citations
55	Evaluation of passive mixing behaviors in a pillar obstruction poly(dimethylsiloxane) microfluidic mixer using fluorescence microscopy. Microfluidics and Nanofluidics, 2009, 7, 267-273.	1.0	49
56	Surface-enhanced Raman scattering in nanoliter droplets: towards high-sensitivity detection of mercury (II) ions. Analytical and Bioanalytical Chemistry, 2009, 394, 1827-1832.	1.9	194
57	Aptameric SERS sensor for Hg2+ analysis using silver nanoparticles. Chinese Chemical Letters, 2009, 20, 1475-1477.	4.8	31
58	Capability of Au nano-rhombic dodecahedra in a label-free colorimetric assay: application in the determination of S^{2â^'} and Hg²⁺. Analyst, The, 0, , .	1.7	2