

Yuan Zhao

List of Publications by Citations

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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.

48
papers

1,496
citations

21
h-index

38
g-index

50
ext. papers

1,881
ext. citations

8.7
avg, IF

5.1
L-index

#	Paper	IF	Citations
48	SERS encoded silver pyramids for attomolar detection of multiplexed disease biomarkers. <i>Advanced Materials</i> , 2015 , 27, 1706-11	24	240
47	Shell-engineered chiroplasmonic assemblies of nanoparticles for zeptomolar DNA detection. <i>Nano Letters</i> , 2014 , 14, 3908-13	11.5	145
46	Double Detection of Mycotoxins Based on SERS Labels Embedded Ag@Au Core-Shell Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 21780-6	9.5	117
45	Dual amplified electrochemical immunosensor for highly sensitive detection of <i>Pantoea stewartii</i> subsp. <i>stewartii</i> . <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 21178-83	9.5	74
44	Alternating Plasmonic Nanoparticle Heterochains Made by Polymerase Chain Reaction and Their Optical Properties. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 641-7	6.4	69
43	Facile synthesis of iridium nanoparticles with superior peroxidase-like activity for colorimetric determination of H ₂ O ₂ and xanthine. <i>Sensors and Actuators B: Chemical</i> , 2017 , 243, 203-210	8.5	66
42	Plasmonic Au-Ag Janus Nanoparticle Engineered Ratiometric Surface-Enhanced Raman Scattering Aptasensor for Ochratoxin A Detection. <i>Analytical Chemistry</i> , 2019 , 91, 11812-11820	7.8	65
41	Au nanoflower-Ag nanoparticle assembled SERS-active substrates for sensitive MC-LR detection. <i>Chemical Communications</i> , 2015 , 51, 16908-11	5.8	56
40	Electroactive Au@Ag nanoparticles driven electrochemical sensor for endogenous HS detection. <i>Biosensors and Bioelectronics</i> , 2018 , 117, 53-59	11.8	47
39	Dynamic Chiral Nanoparticle Assemblies and Specific Chiroplasmonic Analysis of Cancer Cells. <i>Advanced Materials</i> , 2016 , 28, 4877-83	24	41
38	Gap-Tethered Au@AgAu Raman Tags for the Ratiometric Detection of MC-LR. <i>Analytical Chemistry</i> , 2019 , 91, 7162-7172	7.8	38
37	Shell-encoded Au nanoparticles with tunable electroactivity for specific dual disease biomarkers detection. <i>Biosensors and Bioelectronics</i> , 2018 , 99, 193-200	11.8	36
36	Asymmetric and symmetric PCR of gold nanoparticles: A pathway to scaled-up self-assembly with tunable chirality. <i>Journal of Materials Chemistry</i> , 2012 , 22, 5574		34
35	Ag/CdO NP-Engineered Magnetic Electrochemical Aptasensor for Prostatic Specific Antigen Detection. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 3474-3481	9.5	31
34	Fluorometric nanoprobe for simultaneous aptamer-based detection of carcinoembryonic antigen and prostate specific antigen. <i>Mikrochimica Acta</i> , 2019 , 186, 152	5.8	30
33	Tunable preparation of ruthenium nanoparticles with superior size-dependent catalytic hydrogenation properties. <i>Journal of Hazardous Materials</i> , 2017 , 332, 124-131	12.8	29
32	Rational Design of Magnetic Micronanoelectrodes for Recognition and Ultrasensitive Quantification of Cysteine Enantiomers. <i>Analytical Chemistry</i> , 2018 , 90, 3374-3381	7.8	26

31	Au NPs driven electrochemiluminescence aptasensors for sensitive detection of fumonisin B1. <i>RSC Advances</i> , 2014 , 4, 57709-57714	3.7	26
30	DNA-Based Plasmonic Heterogeneous Nanostructures: Building, Optical Responses, and Bioapplications. <i>Advanced Materials</i> , 2020 , 32, e1907880	2.4	25
29	Electroactive Nanoparticle Assembly Driven Signal Amplification for Ultrasensitive Chiral Recognition of d-/l-Trp. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 5157-5168	8.2	24
28	Biological Molecules-Governed Plasmonic Nanoparticle Dimers with Tailored Optical Behaviors. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 5633-5642	6.4	24
27	SERS-active Ag@Au core-shell NP assemblies for DNA detection. <i>RSC Advances</i> , 2014 , 4, 56052-56056	3.7	20
26	Sensitive Colorimetric Assay of H ₂ S Depending on the High-Efficient Inhibition of Catalytic Performance of Ru Nanoparticles. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 7912-7919	8.3	19
25	Facile preparation of fluorescence-encoded microspheres based on microfluidic system. <i>Journal of Colloid and Interface Science</i> , 2010 , 352, 337-42	9.3	18
24	Autoluminescence-Free Dual Tumor Marker Biosensing by Persistent Luminescence Nanostructures. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 686-694	8.3	18
23	Shell-programmed Au nanoparticle heterodimers with customized chiroptical activity. <i>Small</i> , 2014 , 10, 4770-7	11	16
22	Electroactive Cu ₂ O nanoparticles and Ag nanoparticles driven ratiometric electrochemical aptasensor for prostate specific antigen detection. <i>Sensors and Actuators B: Chemical</i> , 2020 , 315, 128155	8.5	15
21	Rational Design of Multisite Trielement Ru-Ni-Fe Alloy Nanocatalysts with Efficient and Durable Catalytic Hydrogenation Performances. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 41204-41214	9.5	15
20	Autoluminescence-Free Prostate-Specific Antigen Detection by Persistent Luminous Nanorods and Au@Ag@SiO ₂ Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 40669-40676	9.5	14
19	Magnetic Bead-Based Multiplex DNA Sequence Detection of Genetically Modified Organisms Using Quantum Dot-Encoded Silicon Dioxide Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 20134-20140	3.8	13
18	Electroactive NPs and D-amino acids oxidase engineered electrochemical chiral sensor for D-alanine detection. <i>Sensors and Actuators B: Chemical</i> , 2020 , 304, 127333	8.5	12
17	"Add on" Dual-Modal Optical Immunoassay by Plasmonic Metal NP-Semiconductor Composites. <i>Analytical Chemistry</i> , 2021 , 93, 3250-3257	7.8	12
16	DNA-Driven Nanoparticle Assemblies for Biosensing and Bioimaging. <i>Topics in Current Chemistry</i> , 2020 , 378, 18	7.2	11
15	Pt NPs catalyzed chemiluminescence method for Hg detection based on a flow injection system. <i>Electrophoresis</i> , 2019 , 40, 2218-2226	3.6	10
14	Au Film-Au@Ag Core-Shell Nanoparticle Structured Surface-Enhanced Raman Spectroscopy Aptasensor for Accurate Ochratoxin A Detection.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 2385-2391	4.1	10

13	Electroactive CuO nanocubes engineered electrochemical sensor for HS detection. <i>Analytica Chimica Acta</i> , 2021 , 1150, 338216	6.6	10
12	Systematic comparisons of genetically modified organism DNA separation and purification by various functional magnetic nanoparticles. <i>International Journal of Food Science and Technology</i> , 2012 , 47, 910-917	3.8	9
11	Plasmon-Enhanced Electroactivity of AuRu Nanostructures for Electroanalysis Applications. <i>Analytical Chemistry</i> , 2021 , 93, 4944-4951	7.8	8
10	Ratiometric persistent luminescence aptasensors for carcinoembryonic antigen detection. <i>Mikrochimica Acta</i> , 2020 , 187, 615	5.8	6
9	Perovskite Nanomaterial-Engineered Multiplex-Mode Fluorescence Sensing of Edible Oil Quality. <i>Analytical Chemistry</i> , 2021 , 93, 11033-11042	7.8	5
8	AuPt NPs with enhanced electrochemical oxidization activity for ratiometric electrochemical aptasensor. <i>Biosensors and Bioelectronics</i> , 2022 , 196, 113733	11.8	3
7	Surface-Enhanced Raman Scattering-Active Plasmonic Metal Nanoparticle-Persistent Luminescence Material Composite Films for Multiple Illegal Dye Detection. <i>Analytical Chemistry</i> , 2021 , 93, 8945-8953	7.8	3
6	SERS-Active Composites with Au-Ag Janus Nanoparticles/Perovskite in Immunoassays for Staphylococcus aureus Enterotoxins.. <i>ACS Applied Materials & Interfaces</i> , 2022 , 14, 3293-3301	9.5	2
5	A novel electrochemically enhanced homogeneous PMS-heterogeneous CoFeO synergistic catalysis for the efficient removal of levofloxacin. <i>Journal of Hazardous Materials</i> , 2021 , 127651	12.8	2
4	RuCu Cage/Alloy Nanoparticles with Controllable Electroactivity for Specific Electroanalysis Applications. <i>Analytical Chemistry</i> , 2021 , 93, 13080-13088	7.8	1
3	Dual electroactive AgM (M=Ru, Pt) NPs for double electroanalysis of HER2 and EpCAM. <i>Sensors and Actuators B: Chemical</i> , 2022 , 357, 131436	8.5	0
2	Chiral Nanostructures for Biorecognition and Bioanalysis 2022 , 149-198		
1	Chiral Nanomaterials for Emerging Biological Effects 2022 , 199-239		