

# Yuan Zhao

## List of Publications by Year in descending order

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47  
papers

2,252  
citations

201385

27  
h-index

214527

47  
g-index

50  
all docs

50  
docs citations

50  
times ranked

2867  
citing authors

#	ARTICLE	IF	CITATIONS
1	SERS Encoded Silver Pyramids for Attomolar Detection of Multiplexed Disease Biomarkers. <i>Advanced Materials</i> , 2015, 27, 1706-1711.	11.1	276
2	Double Detection of Mycotoxins Based on SERS Labels Embedded Ag@Au Core-Shell Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 21780-21786.	4.0	175
3	Shell-Engineered Chiroplasmonic Assemblies of Nanoparticles for Zeptomolar DNA Detection. <i>Nano Letters</i> , 2014, 14, 3908-3913.	4.5	169
4	Plasmonic Au-Ag Janus Nanoparticle Engineered Ratiometric Surface-Enhanced Raman Scattering Aptasensor for Ochratoxin A Detection. <i>Analytical Chemistry</i> , 2019, 91, 11812-11820.	3.2	140
5	Dual Amplified Electrochemical Immunosensor for Highly Sensitive Detection of <i>Pantoea stewartii</i> subsp. <i>stewartii</i> . <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 21178-21183.	4.0	88
6	Facile synthesis of iridium nanoparticles with superior peroxidase-like activity for colorimetric determination of H <sub>2</sub> O <sub>2</sub> and xanthine. <i>Sensors and Actuators B: Chemical</i> , 2017, 243, 203-210.	4.0	86
7	Electroactive Au@Ag nanoparticles driven electrochemical sensor for endogenous H <sub>2</sub> S detection. <i>Biosensors and Bioelectronics</i> , 2018, 117, 53-59.	5.3	80
8	Alternating Plasmonic Nanoparticle Heterochains Made by Polymerase Chain Reaction and Their Optical Properties. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 641-647.	2.1	72
9	Au nanoflower-Ag nanoparticle assembled SERS-active substrates for sensitive MC-LR detection. <i>Chemical Communications</i> , 2015, 51, 16908-16911.	2.2	63
10	A novel electrochemically enhanced homogeneous PMS-heterogeneous CoFe <sub>2</sub> O <sub>4</sub> synergistic catalysis for the efficient removal of levofloxacin. <i>Journal of Hazardous Materials</i> , 2022, 424, 127651.	6.5	61
11	Gap-Tethered Au@AgAu Raman Tags for the Ratiometric Detection of MC-LR. <i>Analytical Chemistry</i> , 2019, 91, 7162-7172.	3.2	60
12	Ag/CdO NP-Engineered Magnetic Electrochemical Aptasensor for Prostatic Specific Antigen Detection. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 3474-3481.	4.0	51
13	Shell-encoded Au nanoparticles with tunable electroactivity for specific dual disease biomarkers detection. <i>Biosensors and Bioelectronics</i> , 2018, 99, 193-200.	5.3	49
14	Dynamic Chiral Nanoparticle Assemblies and Specific Chiroplasmonic Analysis of Cancer Cells. <i>Advanced Materials</i> , 2016, 28, 4877-4883.	11.1	48
15	Fluorometric nanoprobe for simultaneous aptamer-based detection of carcinoembryonic antigen and prostate specific antigen. <i>Mikrochimica Acta</i> , 2019, 186, 152.	2.5	46
16	Electroactive Au@Ag Nanoparticle Assembly Driven Signal Amplification for Ultrasensitive Chiral Recognition of <i>d</i> -Trp. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 5157-5166.	3.2	45
17	Rational Design of Magnetic Micronanoelectrodes for Recognition and Ultrasensitive Quantification of Cysteine Enantiomers. <i>Analytical Chemistry</i> , 2018, 90, 3374-3381.	3.2	44
18	Tunable preparation of ruthenium nanoparticles with superior size-dependent catalytic hydrogenation properties. <i>Journal of Hazardous Materials</i> , 2017, 332, 124-131.	6.5	38

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19	Electroactive Cu <sub>2</sub> O nanoparticles and Ag nanoparticles driven ratiometric electrochemical aptasensor for prostate specific antigen detection. <i>Sensors and Actuators B: Chemical</i> , 2020, 315, 128155.	4.0	36
20	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.	6.7	35
21	Sensitive Colorimetric Assay of H <sub>2</sub> S Depending on the High-Efficient Inhibition of Catalytic Performance of Ru Nanoparticles. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 7912-7919.	3.2	34
22	SERS-Active Composites with Au@Ag Janus Nanoparticles/Perovskite in Immunoassays for Staphylococcus aureus Enterotoxins. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 3293-3301.	4.0	34
23	Autoluminescence-Free Dual Tumor Marker Biosensing by Persistent Luminescence Nanostructures. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 686-694.	3.2	32
24	DNA-Based Plasmonic Heterogeneous Nanostructures: Building, Optical Responses, and Bioapplications. <i>Advanced Materials</i> , 2020, 32, e1907880.	11.1	32
25	Perovskite Nanomaterial-Engineered Multiplex-Mode Fluorescence Sensing of Edible Oil Quality. <i>Analytical Chemistry</i> , 2021, 93, 11033-11042.	3.2	32
26	Electroactive Cu <sub>2</sub> O nanocubes engineered electrochemical sensor for H <sub>2</sub> S detection. <i>Analytica Chimica Acta</i> , 2021, 1150, 338216.	2.6	31
27	Au NPs driven electrochemiluminescence aptasensors for sensitive detection of fumonisin B <sub>1</sub> . <i>RSC Advances</i> , 2014, 4, 57709-57714.	1.7	29
28	Biological Molecules-Governed Plasmonic Nanoparticle Dimers with Tailored Optical Behaviors. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 5633-5642.	2.1	29
29	Ag@Au Dual-Modal Optical Immunoassay by Plasmonic Metal NP-Semiconductor Composites. <i>Analytical Chemistry</i> , 2021, 93, 3250-3257.	3.2	29
30	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.	4.0	28
31	SERS-active Ag@Au core-shell NP assemblies for DNA detection. <i>RSC Advances</i> , 2014, 4, 56052-56056.	1.7	24
32	Autoluminescence-Free Prostate-Specific Antigen Detection by Persistent Luminous Nanorods and Au@Ag@SiO <sub>2</sub> Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 40669-40676.	4.0	24
33	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.	2.3	24
34	Plasmon-Enhanced Electroactivity of AuRu Nanostructures for Electroanalysis Applications. <i>Analytical Chemistry</i> , 2021, 93, 4944-4951.	3.2	24
35	Rational Design of Multisite Trielement Ru@Ni@Fe Alloy Nanocatalysts with Efficient and Durable Catalytic Hydrogenation Performances. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 41204-41214.	4.0	21
36	AuPt NPs with enhanced electrochemical oxidization activity for ratiometric electrochemical aptasensor. <i>Biosensors and Bioelectronics</i> , 2022, 196, 113733.	5.3	21

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37	Facile preparation of fluorescence-encoded microspheres based on microfluidic system. <i>Journal of Colloid and Interface Science</i> , 2010, 352, 337-342.	5.0	19
38	Shell-Programmed Au Nanoparticle Heterodimers with Customized Chiroptical Activity. <i>Small</i> , 2014, 10, 4770-4777.	5.2	18
39	Pt NPs catalyzed chemiluminescence method for Hg <sup>2+</sup> detection based on a flow injection system. <i>Electrophoresis</i> , 2019, 40, 2218-2226.	1.3	16
40	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.	1.5	15
41	DNA-Driven Nanoparticle Assemblies for Biosensing and Bioimaging. <i>Topics in Current Chemistry</i> , 2020, 378, 18.	3.0	15
42	Ratiometric persistent luminescence aptasensors for carcinoembryonic antigen detection. <i>Mikrochimica Acta</i> , 2020, 187, 615.	2.5	13
43	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.	3.2	12
44	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.	1.3	10
45	RuCu Cage/Alloy Nanoparticles with Controllable Electroactivity for Specific Electroanalysis Applications. <i>Analytical Chemistry</i> , 2021, 93, 13080-13088.	3.2	10
46	Dual electroactive AgM (M=Ru, Pt) NPs for double electroanalysis of HER2 and EpCAM. <i>Sensors and Actuators B: Chemical</i> , 2022, 357, 131436.	4.0	7
47	A visual chiroptical system with chiral assembly graphene quantum dots for D-phenylalanine detection. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 4885-4896.	1.9	7