

# Xing-Hua Xia

## List of Publications by Year in descending order

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355  
papers

23,802  
citations

12303

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10424

139  
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363  
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363  
docs citations

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times ranked

26018  
citing authors

#	ARTICLE	IF	CITATIONS
1	Antenna Enhanced Infrared Photoinduced Force Imaging in Aqueous Environment with Super-Resolution and Hypersensitivity. <i>CCS Chemistry</i> , 2022, 4, 2738-2747.	4.6	9
2	Label-Free Electrochemiluminescence Imaging of Single-Cell Adhesions by Using Bipolar Nanoelectrode Array. <i>Chemistry - A European Journal</i> , 2022, 28, e202103964.	1.7	14
3	Enhanced Electrochemistry of Single Plasmonic Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202115819.	7.2	26
4	Enhanced Electrochemistry of Single Plasmonic Nanoparticles. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	4
5	Plasmonic Nanozymes: Localized Surface Plasmonic Resonance Regulates Reaction Kinetics and Antibacterial Performance. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 312-323.	2.1	31
6	Plasmon-Accelerated Generation of Singlet Oxygen on an Au/MoS <sub>2</sub> Nanohybrid for Enhanced Photodynamic Killing of Bacterial Pathogens/Cancerous Cells. <i>ACS Applied Bio Materials</i> , 2022, 5, 747-760.	2.3	6
7	Single Molecule DNA Analysis Based on Atomic-Controllable Nanopores in Covalent Organic Frameworks. <i>Nano Letters</i> , 2022, 22, 1358-1365.	4.5	23
8	<i>In Situ</i> Monitoring of DNA-Hg <sup>2+</sup> Binding Reaction within Confined Nanospace of Metamaterial Nanochannel by Plasmon-Enhanced Raman Scattering. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 1330-1336.	2.1	2
9	Morphologically Flex Sm-MOF Based Electrochemical Immunosensor for Ultrasensitive Detection of a Colon Cancer Biomarker. <i>Analytical Chemistry</i> , 2022, 94, 3013-3019.	3.2	36
10	Light-Enhanced Osmotic Energy Harvester Using Photoactive Porphyrin Metal-Organic Framework Membranes. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	7
11	Light-Enhanced Osmotic Energy Harvester Using Photoactive Porphyrin Metal-Organic Framework Membranes. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	33
12	Nanochannels for low-grade energy harvesting. <i>Current Opinion in Electrochemistry</i> , 2022, 33, 100956.	2.5	2
13	PNP Nanofluidic Transistor with Actively Tunable Current Response and Ionic Signal Amplification. <i>Nano Letters</i> , 2022, 22, 3678-3684.	4.5	12
14	6-Aza-2-thio-thymine-gold nanoclusters: an excellent candidate in the photoelectrochemical field. <i>Chemical Communications</i> , 2022, 58, 6219-6222.	2.2	4
15	Gold Nanowires Array-Based Closed Bipolar Nanoelectrode System for Electrochemiluminescence Detection of Î±-Fetoprotein on Cell Surface. <i>Analytical Chemistry</i> , 2022, 94, 7350-7357.	3.2	25
16	Synthesis of Pure Thiophene-Sulfur-Doped Graphene for an Oxygen Reduction Reaction with High Performance. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 4350-4356.	2.1	5
17	A supramolecular photosensitizer derived from an Arene-Ru(II) complex self-assembly for NIR activated photodynamic and photothermal therapy. <i>Nature Communications</i> , 2022, 13, .	5.8	58
18	Nanopore-based surface-enhanced Raman scattering technologies. <i>Science Bulletin</i> , 2022, 67, 1539-1541.	4.3	5

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19	Synergistic Effect of Electrostatic Interaction and Ionic Dehydration on Asymmetric Ion Transport in Nanochannel/Ion Channel Composite Membrane. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 5267-5274.	2.1	10
20	High Spatial Resolution of Ultrathin Covalent Organic Framework Nanopores for Single-Molecule DNA Sensing. <i>Analytical Chemistry</i> , 2022, 94, 9851-9855.	3.2	12
21	Single gold nanocluster probe-based fluorescent sensor array for heavy metal ion discrimination. <i>Journal of Hazardous Materials</i> , 2021, 405, 124259.	6.5	43
22	Three-Dimensional Metamaterial for Plasmon-Enhanced Raman Scattering at any Excitation Wavelengths from the Visible to Near-Infrared Range. <i>Analytical Chemistry</i> , 2021, 93, 1409-1415.	3.2	8
23	Size-focusing results in highly photoluminescent sulfur quantum dots with a stable emission wavelength. <i>Nanoscale</i> , 2021, 13, 2519-2526.	2.8	35
24	One-Pot Preparation of Peptide-Doped Metal-Organic Framework for General Encapsulation and Targeted Delivery. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 11195-11204.	4.0	18
25	Detection of tetanus toxoid with fluorescent tetanus human IgG-AuNC-based immunochromatography test strip. <i>Biosensors and Bioelectronics</i> , 2021, 177, 112977.	5.3	14
26	Ultrasensitive plasmon enhanced Raman scattering detection of nucleolin using nanochannels of 3D hybrid plasmonic metamaterial. <i>Biosensors and Bioelectronics</i> , 2021, 178, 113040.	5.3	9
27	Free-Standing Single Ag Nanowires for Multifunctional Optical Probes. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 19023-19030.	4.0	8
28	Living-DNA Nanogel Appendant Enables <i>In Situ</i> Modulation and Quantification of Regulation Effects on Membrane Proteins. <i>ACS Applied Bio Materials</i> , 2021, 4, 4565-4574.	2.3	2
29	Electric Field Driven Surface Ion Transport in Hydrophobic Nanopores. <i>Chinese Journal of Chemistry</i> , 2021, 39, 1511-1516.	2.6	4
30	Electronic metal-support interaction modulates single-atom platinum catalysis for hydrogen evolution reaction. <i>Nature Communications</i> , 2021, 12, 3021.	5.8	397
31	Electrochemically Switchable Double-Gate Nanofluidic Logic Device as Biomimetic Ion Pumps. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 32479-32485.	4.0	8
32	Ultrasensitive Detection of Bacteria Using a 2D MOF Nanozyme-Amplified Electrochemical Detector. <i>Analytical Chemistry</i> , 2021, 93, 8544-8552.	3.2	117
33	Dissecting the Flash Chemistry of Electrogenenerated Reactive Intermediates by Microdroplet Fusion Mass Spectrometry. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 18494-18498.	7.2	22
34	A Solar Thermoelectric Nanofluidic Device for Solar Thermal Energy Harvesting. <i>CCS Chemistry</i> , 2021, 3, 2174-2182.	4.6	13
35	Probing Multidimensional Structural Information of Single Molecules Transporting through a Sub-10 nm Conical Plasmonic Nanopore by SERS. <i>Analytical Chemistry</i> , 2021, 93, 11679-11685.	3.2	15
36	Selective Electrochemical Generation of Hydrogen Peroxide from Oxygen Reduction on Atomically Dispersed Platinum. <i>ACS Applied Energy Materials</i> , 2021, 4, 10843-10848.	2.5	16

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37	DNA Nanotechnology for Modulating the Growth and Development of Neurons. <i>CCS Chemistry</i> , 2021, 3, 2381-2393.	4.6	2
38	Inorganic Nanomaterials with Intrinsic Singlet Oxygen Generation for Photodynamic Therapy. <i>Advanced Science</i> , 2021, 8, e2102587.	5.6	66
39	Rare-Earth Eu <sup>3+</sup> /Gold Nanocluster Ensemble-Based Fluorescent Photoinduced Electron Transfer Sensor for Biomarker Dipicolinic Acid Detection. <i>Langmuir</i> , 2021, 37, 949-956.	1.6	21
40	Barcode signal amplifying strategy for sensitive and accurate protein detection on LC-MS/MS. <i>Analyst</i> , 2021, 146, 1725-1733.	1.7	1
41	Bell-Shaped Electron Transfer Kinetics in Gold Nanoclusters. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 876-883.	2.1	14
42	Thermally Driven Transformation of Water Clustering Structures at Self-Assembled Monolayers. <i>Langmuir</i> , 2021, 37, 11493-11498.	1.6	2
43	Revealing the Hydrogen Bonding Interaction of DNA with Unnatural Bases via Plasmonic Antenna Enhanced Infrared Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 10255-10261.	2.1	3
44	Influence of Asymmetric Geometry on the Ion Transport of Tandem Nanochannels. <i>Journal of Physical Chemistry C</i> , 2021, 125, 24622-24629.	1.5	8
45	Revealing the kinetics of ionophore facilitating ion transport across lipid bilayers by surface enhanced infrared absorption spectroscopy. <i>Chinese Chemical Letters</i> , 2020, 31, 479-481.	4.8	5
46	Heparin-platinum nanozymes with enhanced oxidase-like activity for the colorimetric sensing of isoniazid. <i>Talanta</i> , 2020, 211, 120707.	2.9	40
47	Regulating Ion Transport in a Nanochannel with Tandem and Parallel Structures via Concentration Polarization. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 524-529.	2.1	20
48	Fabrication of Bio-Inspired 2D MOFs/PAA Hybrid Membrane for Asymmetric Ion Transport. <i>Advanced Functional Materials</i> , 2020, 30, 1908804.	7.8	72
49	Rational Design of High-Performance Donor-Linker-Acceptor Hybrids Using a Schiff Base for Enabling Photoinduced Electron Transfer. <i>Analytical Chemistry</i> , 2020, 92, 2019-2026.	3.2	54
50	A Heparinase Sensor Based on a Ternary System of Hg <sup>2+</sup> -Heparin-Osmium Nanoparticles. <i>Analytical Chemistry</i> , 2020, 92, 1635-1642.	3.2	37
51	Non-linear mass transport in confined nanofluidic devices for label-free bioanalysis/sensors. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 123, 115760.	5.8	13
52	Fluorescent gold nanocluster-based sensor for detection of alkaline phosphatase in human osteosarcoma cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 229, 117875.	2.0	20
53	Mechanistic Insight into a Novel Ultrasensitive Nicotine Assay Base on High-Efficiency Quenching of Gold Nanocluster Cathodic Electrochemiluminescence. <i>Analytical Chemistry</i> , 2020, 92, 11438-11443.	3.2	12
54	DNA nanotechnology as a tool to develop molecular tension probes for bio-sensing and bio-imaging applications: An up-to-date review. <i>Nano Structures Nano Objects</i> , 2020, 23, 100523.	1.9	13

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55	Coupling a Wireless Bipolar Ultramicroelectrode with Nano-electrospray Ionization Mass Spectrometry: Insights into the Ultrafast Initial Step of Electrochemical Reactions. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 18244-18248.	7.2	44
56	Oxygen vacancy confined nickel cobaltite nanostructures as an excellent interface for the enzyme-free electrochemical sensing of extracellular $H_2O_2$ secreted from live cells. <i>New Journal of Chemistry</i> , 2020, 44, 14050-14059.	1.4	21
57	Bioinspired Construction of Ruthenium-decorated Nitrogen-doped Graphene Aerogel as an Efficient Electrocatalyst for Hydrogen Evolution Reaction. <i>Chemical Research in Chinese Universities</i> , 2020, 36, 709-714.	1.3	4
58	Fabrication of High-Density and Superuniform Gold Nanoelectrode Arrays for Electrochemical Fluorescence Imaging. <i>Analytical Chemistry</i> , 2020, 92, 13493-13499.	3.2	22
59	Bifunctional mechanism of hydrogen oxidation reaction on atomic level tailored-Ru@Pt core-shell nanoparticles with tunable Pt layers. <i>Journal of Electroanalytical Chemistry</i> , 2020, 872, 114348.	1.9	18
60	d <sup>sp</sup> Interband Transition Excited Carriers Promoting the Photochemical Growth of Plasmonic Gold Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 8322-8328.	2.1	18
61	Site-specific electrodeposition enables self-terminating growth of atomically dispersed metal catalysts. <i>Nature Communications</i> , 2020, 11, 4558.	5.8	131
62	In Situ Fabrication of Ultrasmall Gold Nanoparticles/2D MOFs Hybrid as Nanozyme for Antibacterial Therapy. <i>Small</i> , 2020, 16, e2000553.	5.2	155
63	Decisive role of pH in synthesis of high purity fluorescent BSA-Au <sub>20</sub> nanoclusters. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 239, 118520.	2.0	4
64	SERS Detection of Nucleobases in Single Silver Plasmonic Nanopores. <i>ACS Sensors</i> , 2020, 5, 2198-2204.	4.0	24
65	Antibacterial Therapy: In Situ Fabrication of Ultrasmall Gold Nanoparticles/2D MOFs Hybrid as Nanozyme for Antibacterial Therapy ( <i>Small</i> 23/2020). <i>Small</i> , 2020, 16, 2070130.	5.2	3
66	Protein-Supported RuO <sub>2</sub> Nanoparticles with Improved Catalytic Activity, In Vitro Salt Resistance, and Biocompatibility: Colorimetric and Electrochemical Biosensing of Cellular $H_2O_2$ . <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 14876-14883.	4.0	37
67	Mo-Doped FeP Nanospheres for Artificial Nitrogen Fixation. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 17452-17458.	4.0	36
68	Schiff base and Lewis acid-base interaction-regulated aggregation/dispersion of gold nanoparticles for colorimetric recognition of rare-earth Sc <sup>3+</sup> ions. <i>Sensors and Actuators B: Chemical</i> , 2020, 311, 127925.	4.0	14
69	The PA-receptor mediated internalization of carboplatin loaded poly-anionic DNA-nanowires for effective treatment of resistant hepatic-cancer HepG-2 cells. <i>Applied Nanoscience (Switzerland)</i> , 2020, 10, 1915-1926.	1.6	8
70	Solid-state thiolate-stabilized copper nanoclusters with ultrahigh photoluminescence quantum yield for white light-emitting devices. <i>Nanoscale</i> , 2020, 12, 15791-15799.	2.8	28
71	Dendrimer-Au Nanoparticle Network Covered Alumina Membrane for Ion Rectification and Enhanced Bioanalysis. <i>Nano Letters</i> , 2020, 20, 1846-1854.	4.5	71
72	Tip-Enhanced Infrared Imaging with Sub-10 nm Resolution and Hypersensitivity. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 1697-1701.	2.1	19

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73	Cathodic electrochemiluminescence performance of all-inorganic perovskite CsPbBr <sub>3</sub> nanocrystals in an aqueous medium. <i>Electrochemistry Communications</i> , 2020, 111, 106667.	2.3	15
74	Nitrogen and sulfur dual-doped carbon nanotube derived from a thiazolothiazole based conjugated microporous polymer as efficient metal-free electrocatalysts for oxygen reduction reaction. <i>Journal of Power Sources</i> , 2020, 461, 228145.	4.0	29
75	pH-Dependent Slipping and Exfoliation of Layered Covalent Organic Framework. <i>Chemistry - A European Journal</i> , 2020, 26, 12996-13001.	1.7	35
76	Mass Transfer Modulation and Gas Mapping Based on Covalent Organic Frameworks-Covered Theta Micropipette. <i>Analytical Chemistry</i> , 2020, 92, 7343-7348.	3.2	11
77	Reversible Electrochemical Tuning of Ion Sieving in Coordination Polymers. <i>Analytical Chemistry</i> , 2020, 92, 9172-9178.	3.2	20
78	Plasmon of Au nanorods activates metal-organic frameworks for both the hydrogen evolution reaction and oxygen evolution reaction. <i>Nanoscale</i> , 2020, 12, 17290-17297.	2.8	12
79	Immunoglobulin G-Encapsulated Gold Nanoclusters as Fluorescent Tags for Dot-Blot Immunoassays. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 31729-31734.	4.0	36
80	Plasmonic Nanohybrid with High Photothermal Conversion Efficiency for Simultaneously Effective Antibacterial/Anticancer Photothermal Therapy. <i>ACS Applied Bio Materials</i> , 2019, 2, 3942-3953.	2.3	49
81	Axial ligands tailoring the ORR activity of cobalt porphyrin. <i>Science Bulletin</i> , 2019, 64, 1158-1166.	4.3	57
82	Improved enzymatic assay for hydrogen peroxide and glucose by exploiting the enzyme-mimicking properties of BSA-coated platinum nanoparticles. <i>Mikrochimica Acta</i> , 2019, 186, 778.	2.5	29
83	End Group Properties of Thiols Affecting the Self-Assembly Mechanism at Gold Nanoparticles Film As Evidenced by Water Infrared Probe. <i>Analytical Chemistry</i> , 2019, 91, 14508-14513.	3.2	7
84	Regulation of metal ion selectivity of fluorescent gold nanoclusters by metallophilic interactions. <i>Analytica Chimica Acta</i> , 2019, 1088, 116-122.	2.6	21
85	Tailoring the electron density of Pd nanoparticles through electronic metal-support interaction for accelerating electrocatalysis of formic acid. <i>Electrochemistry Communications</i> , 2019, 107, 106540.	2.3	14
86	A DNA Nanodevice Simultaneously Activating the EGFR and Integrin for Enhancing Cytoskeletal Activity and Cancer Cell Treatment. <i>Nano Letters</i> , 2019, 19, 7503-7513.	4.5	30
87	Oriented Self-Assembled Monolayer of Zn(II)-Tetraphenylporphyrin on TiO <sub>2</sub> Electrode for Photoelectrochemical Analysis. <i>Analytical Chemistry</i> , 2019, 91, 2759-2767.	3.2	48
88	Versatile High-Performance Electrochemiluminescence ELISA Platform Based on a Gold Nanocluster Probe. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 24812-24819.	4.0	64
89	Gold nanocluster-based fluorescence turn-off probe for sensing of doxorubicin by photoinduced electron transfer. <i>Sensors and Actuators B: Chemical</i> , 2019, 296, 126656.	4.0	62
90	B <sub>4</sub> C nanosheets decorated with in situ-derived boron-doped graphene quantum dots for high-efficiency ambient N <sub>2</sub> fixation. <i>Chemical Communications</i> , 2019, 55, 7406-7409.	2.2	43

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91	Large-Scale and Well-Ordered Assembly of Microspheres in a Small Container. <i>Langmuir</i> , 2019, 35, 8413-8417.	1.6	12
92	Recognition of plastic nanoparticles using a single gold nanopore fabricated at the tip of a glass nanopipette. <i>Chemical Communications</i> , 2019, 55, 6397-6400.	2.2	40
93	Improving quantitative control and homogeneous distribution of samples on paper-based analytical devices via drop-on-demand inkjet printing. <i>Analyst</i> , 2019, 144, 4013-4023.	1.7	3
94	Specific cell capture and noninvasive release via moderate electrochemical oxidation of boronic ester linkage. <i>Biosensors and Bioelectronics</i> , 2019, 138, 111316.	5.3	6
95	High-Performance Ru@C <sub>4</sub> N Electro catalyst for Hydrogen Evolution Reaction in Both Acidic and Alkaline Solutions. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 19176-19182.	4.0	76
96	Electronic Metal-Support Interaction To Modulate MoS <sub>2</sub> -Supported Pd Nanoparticles for the Degradation of Organic Dyes. <i>ACS Applied Nano Materials</i> , 2019, 2, 3385-3393.	2.4	43
97	Bioinspired Multivalent Ion Responsive Nanopore with Ultrahigh Ion Current Rectification. <i>Journal of Physical Chemistry C</i> , 2019, 123, 13687-13692.	1.5	25
98	Surface-Enhanced Raman Scattering Probing the Translocation of DNA and Amino Acid through Plasmonic Nanopores. <i>Analytical Chemistry</i> , 2019, 91, 6275-6280.	3.2	33
99	Colorimetric tyrosinase assay based on catechol inhibition of the oxidase-mimicking activity of chitosan-stabilized platinum nanoparticles. <i>Mikrochimica Acta</i> , 2019, 186, 301.	2.5	23
100	Rapidly Visualizing the Membrane Affinity of Gene Vectors Using Polydiacetylene-Based Allochroic Vesicles. <i>ACS Sensors</i> , 2019, 4, 977-983.	4.0	7
101	High-performance bioanalysis based on ion concentration polarization of micro-/nanofluidic devices. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 4007-4016.	1.9	26
102	Plasmonic hot charge carriers activated Ni centres of metal-organic frameworks for the oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2019, 7, 10601-10609.	5.2	51
103	A colorimetric assay for sensitive detection of hydrogen peroxide and glucose in microfluidic paper-based analytical devices integrated with starch-iodide-gelatin system. <i>Talanta</i> , 2019, 200, 511-517.	2.9	58
104	Redox Recycling-Triggered Peroxidase-Like Activity Enhancement of Bare Gold Nanoparticles for Ultrasensitive Colorimetric Detection of Rare-Earth Ce <sup>3+</sup> Ion. <i>Analytical Chemistry</i> , 2019, 91, 4039-4046.	3.2	80
105	Low Power Single Laser Activated Synergistic Cancer Phototherapy Using Photosensitizer Functionalized Dual Plasmonic Photothermal Nanoagents. <i>ACS Nano</i> , 2019, 13, 2544-2557.	7.3	89
106	Direct Plasmon-Enhanced Electrochemistry for Enabling Ultrasensitive and Label-Free Detection of Circulating Tumor Cells in Blood. <i>Analytical Chemistry</i> , 2019, 91, 4413-4420.	3.2	88
107	Biomimetic Nanochannel-Ionchannel Hybrid for Ultrasensitive and Label-Free Detection of MicroRNA in Cells. <i>Analytical Chemistry</i> , 2019, 91, 3582-3589.	3.2	66
108	Antenna array-enhanced attenuated total reflection IR analysis in an aqueous solution. <i>Nanoscale</i> , 2019, 11, 18543-18549.	2.8	7

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109	A Water-Soluble Cu Complex as Molecular Catalyst for Electrocatalytic CO <sub>2</sub> Reduction on Graphene-Based Electrodes. <i>Advanced Energy Materials</i> , 2019, 9, 1803151.	10.2	85
110	Self-Referenced Ratiometric Detection of Sulfatase Activity with Dual-Emissive Urease-Encapsulated Gold Nanoclusters. <i>ACS Sensors</i> , 2019, 4, 344-352.	4.0	45
111	Nanochannel-Ion Channel Hybrid Device for Ultrasensitive Monitoring of Biomolecular Recognition Events. <i>Analytical Chemistry</i> , 2019, 91, 1185-1193.	3.2	57
112	Gold core-satellite nanostructure linked by oligonucleotides for detection of glutathione with LSPR scattering spectrum. <i>Talanta</i> , 2019, 193, 123-127.	2.9	12
113	Au/ZnSe-Based Surface Enhanced Infrared Absorption Spectroscopy as a Universal Platform for Bioanalysis. <i>Analytical Chemistry</i> , 2018, 90, 3842-3848.	3.2	26
114	Structural Change of a Single Ag Nanoparticle Observed by Dark-Field Microspectroscopy. <i>ChemPhysChem</i> , 2018, 19, 954-958.	1.0	8
115	In situ formation of molecular Ni-Fe active sites on heteroatom-doped graphene as a heterogeneous electrocatalyst toward oxygen evolution. <i>Science Advances</i> , 2018, 4, eaap7970.	4.7	176
116	An ammonia-based etchant for attaining copper nanoclusters with green fluorescence emission. <i>Nanoscale</i> , 2018, 10, 6467-6473.	2.8	62
117	Preliminary Quality Criteria of Citrate-Protected Gold Nanoparticles for Medicinal Applications. <i>ACS Applied Nano Materials</i> , 2018, 1, 2120-2128.	2.4	12
118	Preparation and characterization of sulfonated chitosan-modified gold nanoparticles and their surface electronic payload of charged drugs. <i>Science China Life Sciences</i> , 2018, 61, 457-463.	2.3	3
119	Study on the photocatalytic reaction kinetics in a TiO <sub>2</sub> nanoparticles coated microreactor integrated microfluidics device. <i>Talanta</i> , 2018, 182, 544-548.	2.9	37
120	Gold Nanoparticle-Based Photoluminescent Nanoswitch Controlled by Host-Guest Recognition and Enzymatic Hydrolysis for Arginase Activity Assay. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 5358-5364.	4.0	29
121	Electrogenerated Chemiluminescence Imaging of Electrocatalysis at a Single Au-Pt Janus Nanoparticle. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 4010-4014.	7.2	145
122	Facile electrochemiluminescence sensing platform based on high-quantum-yield gold nanocluster probe for ultrasensitive glutathione detection. <i>Biosensors and Bioelectronics</i> , 2018, 105, 71-76.	5.3	74
123	Localized surface plasmon resonance enhanced label-free photoelectrochemical immunoassay by Au-MoS <sub>2</sub> nanohybrid. <i>Electrochimica Acta</i> , 2018, 271, 361-369.	2.6	21
124	Bioinspired Engineering of Cobalt-Phosphonate Nanosheets for Robust Hydrogen Evolution Reaction. <i>ACS Catalysis</i> , 2018, 8, 3895-3902.	5.5	69
125	On-chip microfluidic generation of monodisperse bubbles for liquid interfacial tension measurement. <i>Talanta</i> , 2018, 176, 646-651.	2.9	4
126	Asymmetric Nanochannel-Ionchannel Hybrid for Ultrasensitive and Label-Free Detection of Copper Ions in Blood. <i>Analytical Chemistry</i> , 2018, 90, 896-902.	3.2	79

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127	Atomic level tailoring of the electrocatalytic activity of Au-Pt core-shell nanoparticles with controllable Pt layers toward hydrogen evolution reaction. <i>Journal of Electroanalytical Chemistry</i> , 2018, 819, 442-446.	1.9	30
128	A Multiparameter pH-Sensitive Nanodevice Based on Plasmonic Nanopores. <i>Advanced Functional Materials</i> , 2018, 28, 1703847.	7.8	43
129	Combining plasmonics and electrochemistry at the nanoscale. <i>Current Opinion in Electrochemistry</i> , 2018, 7, 95-102.	2.5	34
130	Chain-length dependent interfacial immunoreaction kinetics on self-assembled monolayers revealed by surface-enhanced infrared absorption spectroscopy. <i>Talanta</i> , 2018, 176, 124-129.	2.9	11
131	An <i>in situ</i> SERS study of ionic transport and the Joule heating effect in plasmonic nanopores. <i>Chemical Communications</i> , 2018, 54, 13236-13239.	2.2	10
132	Importance of Hot Spots in Gold Nanostructures on Direct Plasmon-Enhanced Electrochemistry. <i>ACS Applied Nano Materials</i> , 2018, 1, 5805-5811.	2.4	35
133	Water as a Universal Infrared Probe for Bioanalysis in Aqueous Solution by Attenuated Total Reflection-Surface Enhanced Infrared Absorption Spectroscopy. <i>Analytical Chemistry</i> , 2018, 90, 12979-12985.	3.2	8
134	Exploring the Confinement Effect of Carbon Nanotubes on the Electrochemical Properties of Prussian Blue Nanoparticles. <i>Langmuir</i> , 2018, 34, 6983-6990.	1.6	14
135	Thermo and pH Dual-Actuating Smart Porous Anodic Aluminum for Controllable Drug Release. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800185.	1.9	17
136	Electrochromic-Tuned Plasmonics for Photothermal Sterile Window. <i>ACS Nano</i> , 2018, 12, 6895-6903.	7.3	76
137	Preparation of strongly fluorescent water-soluble dithiothreitol modified gold nanoclusters coated with carboxychitosan, and their application to fluorometric determination of the immunosuppressive 6-mercaptopurine. <i>Mikrochimica Acta</i> , 2018, 185, 400.	2.5	15
138	Plasmon Coupling Effect-Enhanced Imaging of Metal Ions in Living Cells Using DNAzyme Assembled Core-Satellite Structures. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 33966-33975.	4.0	21
139	Graphene Plasmon-Enhanced IR Biosensing for <i>in Situ</i> Detection of Aqueous-Phase Molecules with an Attenuated Total Reflection Mode. <i>Analytical Chemistry</i> , 2018, 90, 10786-10794.	3.2	24
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