Xing-Hua Xia

List of Publications by Year in Descending Order

345 papers	18,891 citations	61 h-index	126 g-index
363 ext. papers	21,272 ext. citations	7.2 avg, IF	7.05 L-index

#	Paper	IF	Citations
345	Plasmonic Nanozymes: Localized Surface Plasmonic Resonance Regulates Reaction Kinetics and Antibacterial Performance.. *Journal of Physical Chemistry Letters*, **2022**, 312-323	6.4	4
344	Monitoring of DNA-Hg Binding Reaction within Confined Nanospace of Metamaterial Nanochannel by Plasmon-Enhanced Raman Scattering.. *Journal of Physical Chemistry Letters*, **2022**, 13, 1330-1336	6.4	0
343	Morphologically Flex Sm-MOF Based Electrochemical Immunosensor for Ultrasensitive Detection of a Colon Cancer Biomarker.. *Analytical Chemistry*, **2022**,	7.8	5
342	Nanochannels for low-grade energy harvesting. *Current Opinion in Electrochemistry*, **2022**, 33, 100956	7.2	1
341	Synthesis of Pure Thiophene-Sulfur-Doped Graphene for an Oxygen Reduction Reaction with High Performance.. *Journal of Physical Chemistry Letters*, **2022**, 4350-4356	6.4	0
340	Label-free Electrochemiluminescence Imaging of Single-Cell Adhesions Using Bipolar Nanoelectrode Array. *Chemistry - A European Journal*, **2021**, 28, e202103964	4.8	1
339	Enhanced Electrochemistry of Single Plasmonic Nanoparticles. *Angewandte Chemie - International Edition*, **2021**, e202115819	16.4	2
338	Thermally Driven Transformation of Water Clustering Structures at Self-Assembled Monolayers. *Langmuir*, **2021**, 37, 11493-11498	4	0
337	Revealing the Hydrogen Bonding Interaction of DNA with Unnatural Bases via Plasmonic Antenna Enhanced Infrared Spectroscopy. *Journal of Physical Chemistry Letters*, **2021**, 12, 10255-10261	6.4	
336	One-Pot Preparation of Peptide-Doped Metal-Amino Acid Framework for General Encapsulation and Targeted Delivery. *ACS Applied Materials & Interfaces*, **2021**, 13, 11195-11204	9.5	9
335	Detection of tetanus toxoid with fluorescent tetanus human IgG-AuNC-based immunochromatography test strip. *Biosensors and Bioelectronics*, **2021**, 177, 112977	11.8	3
334	Ultrasensitive plasmon enhanced Raman scattering detection of nucleolin using nanochannels of 3D hybrid plasmonic metamaterial. *Biosensors and Bioelectronics*, **2021**, 178, 113040	11.8	4
333	Free-Standing Single Ag Nanowires for Multifunctional Optical Probes. *ACS Applied Materials & Interfaces*, **2021**, 13, 19023-19030	9.5	1
332	Living-DNA Nanogel Appendant Enables Modulation and Quantification of Regulation Effects on Membrane Proteins.. *ACS Applied Bio Materials*, **2021**, 4, 4565-4574	4.1	0
331	Electric Field Driven Surface Ion Transport in Hydrophobic Nanopores *Chinese Journal of Chemistry*, **2021**, 39, 1511-1516	4.9	1
330	Electronic metal-support interaction modulates single-atom platinum catalysis for hydrogen evolution reaction. *Nature Communications*, **2021**, 12, 3021	17.4	102
329	Electrochemically Switchable Double-Gate Nanofluidic Logic Device as Biomimetic Ion Pumps. *ACS Applied Materials & Interfaces*, **2021**, 13, 32479-32485	9.5	5

328	Ultrasensitive Detection of Bacteria Using a 2D MOF Nanozyme-Amplified Electrochemical Detector. *Analytical Chemistry*, **2021**, 93, 8544-8552	7.8	17
327	Dissecting the Flash Chemistry of Electrogenerated Reactive Intermediates by Microdroplet Fusion Mass Spectrometry. *Angewandte Chemie - International Edition*, **2021**, 60, 18494-18498	16.4	5
326	Single gold nanocluster probe-based fluorescent sensor array for heavy metal ion discrimination. *Journal of Hazardous Materials*, **2021**, 405, 124259	12.8	18
325	Three-Dimensional Metamaterial for Plasmon-Enhanced Raman Scattering at any Excitation Wavelengths from the Visible to Near-Infrared Range. *Analytical Chemistry*, **2021**, 93, 1409-1415	7.8	3
324	Size-focusing results in highly photoluminescent sulfur quantum dots with a stable emission wavelength. *Nanoscale*, **2021**, 13, 2519-2526	7.7	10
323	A Solar Thermoelectric Nanofluidic Device for Solar Thermal Energy Harvesting. *CCS Chemistry*, **2021**, 3, 2174-2182	7.2	5
322	Probing Multidimensional Structural Information of Single Molecules Transporting through a Sub-10 nm Conical Plasmonic Nanopore by SERS. *Analytical Chemistry*, **2021**, 93, 11679-11685	7.8	6
321	DNA Nanotechnology for Modulating the Growth and Development of Neurons. *CCS Chemistry*, **2021**, 3, 2381-2393	7.2	1
320	Liposomal valinomycin mediated cellular K leak promoting apoptosis of liver cancer cells. *Journal of Controlled Release*, **2021**, 337, 317-328	11.7	1
319	Inorganic Nanomaterials with Intrinsic Singlet Oxygen Generation for Photodynamic Therapy. *Advanced Science*, **2021**, 8, e2102587	13.6	11
318	Rare-Earth Eu/Gold Nanocluster Ensemble-Based Fluorescent Photoinduced Electron Transfer Sensor for Biomarker Dipicolinic Acid Detection. *Langmuir*, **2021**, 37, 949-956	4	9
317	Barcode signal amplifying strategy for sensitive and accurate protein detection on LC-MS/MS. *Analyst, The*, **2021**, 146, 1725-1733	5	1
316	Bell-Shaped Electron Transfer Kinetics in Gold Nanoclusters. *Journal of Physical Chemistry Letters*, **2021**, 12, 876-883	6.4	7
315	In Situ Fabrication of Ultrasmall Gold Nanoparticles/2D MOFs Hybrid as Nanozyme for Antibacterial Therapy. *Small*, **2020**, 16, e2000553	11	65
314	Decisive role of pH in synthesis of high purity fluorescent BSA-Au nanoclusters. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2020**, 239, 118520	4.4	0
313	SERS Detection of Nucleobases in Single Silver Plasmonic Nanopores. *ACS Sensors*, **2020**, 5, 2198-2204	9.2	16
312	Antibacterial Therapy: In Situ Fabrication of Ultrasmall Gold Nanoparticles/2D MOFs Hybrid as Nanozyme for Antibacterial Therapy (Small 23/2020). *Small*, **2020**, 16, 2070130	11	3
311	Protein-Supported RuO Nanoparticles with Improved Catalytic Activity, In Vitro Salt Resistance, and Biocompatibility: Colorimetric and Electrochemical Biosensing of Cellular HO. *ACS Applied Materials & Interfaces*, **2020**, 12, 14876-14883	9.5	24

310	Use of Biosensors for Mycotoxins Analysis in Food Stuff **2020**, 171-201		3
309	Mo-Doped FeP Nanospheres for Artificial Nitrogen Fixation. *ACS Applied Materials & Interfaces*, **2020**, 12, 17452-17458	9.5	18
308	Schiff base and Lewis acid-base interaction-regulated aggregation/dispersion of gold nanoparticles for colorimetric recognition of rare-earth Sc3+ ions. *Sensors and Actuators B: Chemical*, **2020**, 311, 127925	8.5	5
307	The PA-receptor mediated internalization of carboplatin loaded poly-anionic DNA-nanowires for effective treatment of resistant hepatic-cancer HepG-2 cells. *Applied Nanoscience (Switzerland)*, **2020**, 10, 1915-1926	3.3	8
306	Solid-state thiolate-stabilized copper nanoclusters with ultrahigh photoluminescence quantum yield for white light-emitting devices. *Nanoscale*, **2020**, 12, 15791-15799	7.7	12
305	Dendrimer-Au Nanoparticle Network Covered Alumina Membrane for Ion Rectification and Enhanced Bioanalysis. *Nano Letters*, **2020**, 20, 1846-1854	11.5	32
304	Smartphone-Based Biosensors **2020**, 357-387		3
303	Tip-Enhanced Infrared Imaging with Sub-10 nm Resolution and Hypersensitivity. *Journal of Physical Chemistry Letters*, **2020**, 11, 1697-1701	6.4	12
302	Cathodic electrochemiluminescence performance of all-inorganic perovskite CsPbBr3 nanocrystals in an aqueous medium. *Electrochemistry Communications*, **2020**, 111, 106667	5.1	9
301	Nitrogen and sulfur dual-doped carbon nanotube derived from a thiazolothiazole based conjugated microporous polymer as efficient metal-free electrocatalysts for oxygen reduction reaction. *Journal of Power Sources*, **2020**, 461, 228145	8.9	19
300	pH-Dependent Slipping and Exfoliation of Layered Covalent Organic Framework. *Chemistry - A European Journal*, **2020**, 26, 12996-13001	4.8	12
299	Mass Transfer Modulation and Gas Mapping Based on Covalent Organic Frameworks-Covered Theta Micropipette. *Analytical Chemistry*, **2020**, 92, 7343-7348	7.8	4
298	Reversible Electrochemical Tuning of Ion Sieving in Coordination Polymers. *Analytical Chemistry*, **2020**, 92, 9172-9178	7.8	13
297	Plasmon of Au nanorods activates metal-organic frameworks for both the hydrogen evolution reaction and oxygen evolution reaction. *Nanoscale*, **2020**, 12, 17290-17297	7.7	5
296	Heparin-platinum nanozymes with enhanced oxidase-like activity for the colorimetric sensing of isoniazid. *Talanta*, **2020**, 211, 120707	6.2	19
295	Regulating Ion Transport in a Nanochannel with Tandem and Parallel Structures via Concentration Polarization. *Journal of Physical Chemistry Letters*, **2020**, 11, 524-529	6.4	12
294	Fabrication of Bio-Inspired 2D MOFs/PAA Hybrid Membrane for Asymmetric Ion Transport. *Advanced Functional Materials*, **2020**, 30, 1908804	15.6	37
293	Rational Design of High-Performance Donor-Linker-Acceptor Hybrids Using a Schiff Base for Enabling Photoinduced Electron Transfer. *Analytical Chemistry*, **2020**, 92, 2019-2026	7.8	28

292	A Heparinase Sensor Based on a Ternary System of Hg-Heparin-Osmium Nanoparticles. *Analytical Chemistry*, **2020**, 92, 1635-1642	7.8	17
291	Non-linear mass transport in confined nanofluidic devices for label-free bioanalysis/sensors. *TrAC - Trends in Analytical Chemistry*, **2020**, 123, 115760	14.6	6
290	Fluorescent gold nanocluster-based sensor for detection of alkaline phosphatase in human osteosarcoma cells. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2020**, 229, 117875	4.4	12
289	Mechanistic Insight into a Novel Ultrasensitive Nicotine Assay Base on High-Efficiency Quenching of Gold Nanocluster Cathodic Electrochemiluminescence. *Analytical Chemistry*, **2020**, 92, 11438-11443	7.8	2
288	DNA nanotechnology as a tool to develop molecular tension probes for bio-sensing and bio-imaging applications: An up-to-date review. *Nano Structures Nano Objects*, **2020**, 23, 100523	5.6	7
287	Coupling a Wireless Bipolar Ultramicroelectrode with Nano-electrospray Ionization Mass Spectrometry: Insights into the Ultrafast Initial Step of Electrochemical Reactions. *Angewandte Chemie - International Edition*, **2020**, 59, 18244-18248	16.4	25
286	Oxygen vacancy confined nickel cobaltite nanostructures as an excellent interface for the enzyme-free electrochemical sensing of extracellular H2O2 secreted from live cells. *New Journal of Chemistry*, **2020**, 44, 14050-14059	3.6	10
285	Bioinspired Construction of Ruthenium-decorated Nitrogen-doped Graphene Aerogel as an Efficient Electrocatalyst for Hydrogen Evolution Reaction. *Chemical Research in Chinese Universities*, **2020**, 36, 709-714	2.2	2
284	Fabrication of High-Density and Superuniform Gold Nanoelectrode Arrays for Electrochemical Fluorescence Imaging. *Analytical Chemistry*, **2020**, 92, 13493-13499	7.8	12
283	Bifunctional mechanism of hydrogen oxidation reaction on atomic level tailored-Ru@Pt core-shell nanoparticles with tunable Pt layers. *Journal of Electroanalytical Chemistry*, **2020**, 872, 114348	4.1	7
282	d-sp Interband Transition Excited Carriers Promoting the Photochemical Growth of Plasmonic Gold Nanoparticles. *Journal of Physical Chemistry Letters*, **2020**, 11, 8322-8328	6.4	6
281	Site-specific electrodeposition enables self-terminating growth of atomically dispersed metal catalysts. *Nature Communications*, **2020**, 11, 4558	17.4	62
280	Revealing the kinetics of ionophore facilitating ion transport across lipid bilayers by surface enhanced infrared absorption spectroscopy. *Chinese Chemical Letters*, **2020**, 31, 479-481	8.1	1
279	Regulation of metal ion selectivity of fluorescent gold nanoclusters by metallophilic interactions. *Analytica Chimica Acta*, **2019**, 1088, 116-122	6.6	15
278	Tailoring the electron density of Pd nanoparticles through electronic metal-support interaction for accelerating electrocatalysis of formic acid. *Electrochemistry Communications*, **2019**, 107, 106540	5.1	8
277	A DNA Nanodevice Simultaneously Activating the EGFR and Integrin for Enhancing Cytoskeletal Activity and Cancer Cell Treatment. *Nano Letters*, **2019**, 19, 7503-7513	11.5	24
276	Oriented Self-Assembled Monolayer of Zn(II)-Tetraphenylporphyrin on TiO Electrode for Photoelectrochemical Analysis. *Analytical Chemistry*, **2019**, 91, 2759-2767	7.8	33
275	Versatile High-Performance Electrochemiluminescence ELISA Platform Based on a Gold Nanocluster Probe. *ACS Applied Materials & Interfaces*, **2019**, 11, 24812-24819	9.5	36

274	Gold nanocluster-based fluorescence turn-off probe for sensing of doxorubicin by photoinduced electron transfer. *Sensors and Actuators B: Chemical*, **2019**, 296, 126656	8.5	33
273	BC nanosheets decorated with in situ-derived boron-doped graphene quantum dots for high-efficiency ambient N fixation. *Chemical Communications*, **2019**, 55, 7406-7409	5.8	34
272	Large-Scale and Well-Ordered Assembly of Microspheres in a Small Container. *Langmuir*, **2019**, 35, 8413-8417	4	11
271	Recognition of plastic nanoparticles using a single gold nanopore fabricated at the tip of a glass nanopipette. *Chemical Communications*, **2019**, 55, 6397-6400	5.8	16
270	Improving quantitative control and homogeneous distribution of samples on paper-based analytical devices via drop-on-demand inkjet printing. *Analyst, The*, **2019**, 144, 4013-4023	5	1
269	Specific cell capture and noninvasive release via moderate electrochemical oxidation of boronic ester linkage. *Biosensors and Bioelectronics*, **2019**, 138, 111316	11.8	6
268	High-Performance Ru@CN Electrocatalyst for Hydrogen Evolution Reaction in Both Acidic and Alkaline Solutions. *ACS Applied Materials & Interfaces*, **2019**, 11, 19176-19182	9.5	49
267	Electronic Metal–Support Interaction To Modulate MoS2-Supported Pd Nanoparticles for the Degradation of Organic Dyes. *ACS Applied Nano Materials*, **2019**, 2, 3385-3393	5.6	24
266	Bioinspired Multivalent Ion Responsive Nanopore with Ultrahigh Ion Current Rectification. *Journal of Physical Chemistry C*, **2019**, 123, 13687-13692	3.8	8
265	Surface-Enhanced Raman Scattering Probing the Translocation of DNA and Amino Acid through Plasmonic Nanopores. *Analytical Chemistry*, **2019**, 91, 6275-6280	7.8	23
264	Colorimetric tyrosinase assay based on catechol inhibition of the oxidase-mimicking activity of chitosan-stabilized platinum nanoparticles. *Mikrochimica Acta*, **2019**, 186, 301	5.8	15
263	Rapidly Visualizing the Membrane Affinity of Gene Vectors Using Polydiacetylene-Based Allochroic Vesicles. *ACS Sensors*, **2019**, 4, 977-983	9.2	6
262	High-performance bioanalysis based on ion concentration polarization of micro-/nanofluidic devices. *Analytical and Bioanalytical Chemistry*, **2019**, 411, 4007-4016	4.4	17
261	Plasmonic hot charge carriers activated Ni centres of metal–organic frameworks for the oxygen evolution reaction. *Journal of Materials Chemistry A*, **2019**, 7, 10601-10609	13	35
260	A colorimetric assay for sensitive detection of hydrogen peroxide and glucose in microfluidic paper-based analytical devices integrated with starch-iodide-gelatin system. *Talanta*, **2019**, 200, 511-517	6.2	42
259	Redox Recycling-Triggered Peroxidase-Like Activity Enhancement of Bare Gold Nanoparticles for Ultrasensitive Colorimetric Detection of Rare-Earth Ce Ion. *Analytical Chemistry*, **2019**, 91, 4039-4046	7.8	57
258	Low Power Single Laser Activated Synergistic Cancer Phototherapy Using Photosensitizer Functionalized Dual Plasmonic Photothermal Nanoagents. *ACS Nano*, **2019**, 13, 2544-2557	16.7	66
257	Immunoglobulin G-Encapsulated Gold Nanoclusters as Fluorescent Tags for Dot-Blot Immunoassays. *ACS Applied Materials & Interfaces*, **2019**, 11, 31729-31734	9.5	24

256	Plasmonic Nanohybrid with High Photothermal Conversion Efficiency for Simultaneously Effective Antibacterial/Anticancer Photothermal Therapy.. *ACS Applied Bio Materials*, **2019**, 2, 3942-3953	4.1	23
255	Axial ligands tailoring the ORR activity of cobalt porphyrin. *Science Bulletin*, **2019**, 64, 1158-1166	10.6	30
254	Improved enzymatic assay for hydrogen peroxide and glucose by exploiting the enzyme-mimicking properties of BSA-coated platinum nanoparticles. *Mikrochimica Acta*, **2019**, 186, 778	5.8	19
253	End Group Properties of Thiols Affecting the Self-Assembly Mechanism at Gold Nanoparticles Film As Evidenced by Water Infrared Probe. *Analytical Chemistry*, **2019**, 91, 14508-14513	7.8	5
252	Direct Plasmon-Enhanced Electrochemistry for Enabling Ultrasensitive and Label-Free Detection of Circulating Tumor Cells in Blood. *Analytical Chemistry*, **2019**, 91, 4413-4420	7.8	56
251	Biomimetic Nanochannel-Ionchannel Hybrid for Ultrasensitive and Label-Free Detection of MicroRNA in Cells. *Analytical Chemistry*, **2019**, 91, 3582-3589	7.8	47
250	Antenna array-enhanced attenuated total reflection IR analysis in an aqueous solution. *Nanoscale*, **2019**, 11, 18543-18549	7.7	5
249	A Water-Soluble Cu Complex as Molecular Catalyst for Electrocatalytic CO2 Reduction on Graphene-Based Electrodes. *Advanced Energy Materials*, **2019**, 9, 1803151	21.8	57
248	Self-Referenced Ratiometric Detection of Sulfatase Activity with Dual-Emissive Urease-Encapsulated Gold Nanoclusters. *ACS Sensors*, **2019**, 4, 344-352	9.2	32
247	Nanochannel-Ion Channel Hybrid Device for Ultrasensitive Monitoring of Biomolecular Recognition Events. *Analytical Chemistry*, **2019**, 91, 1185-1193	7.8	44
246	Gold core-satellite nanostructure linked by oligonucleotides for detection of glutathione with LSPR scattering spectrum. *Talanta*, **2019**, 193, 123-127	6.2	7
245	Au/ZnSe-Based Surface Enhanced Infrared Absorption Spectroscopy as a Universal Platform for Bioanalysis. *Analytical Chemistry*, **2018**, 90, 3842-3848	7.8	16
244	Structural Change of a Single Ag Nanoparticle Observed by Dark-field Microspectroscopy. *ChemPhysChem*, **2018**, 19, 954-958	3.2	8
243	In situ formation of molecular Ni-Fe active sites on heteroatom-doped graphene as a heterogeneous electrocatalyst toward oxygen evolution. *Science Advances*, **2018**, 4, eaap7970	14.3	131
242	An ammonia-based etchant for attaining copper nanoclusters with green fluorescence emission. *Nanoscale*, **2018**, 10, 6467-6473	7.7	45
241	Preliminary Quality Criteria of Citrate-Protected Gold Nanoparticles for Medicinal Applications. *ACS Applied Nano Materials*, **2018**, 1, 2120-2128	5.6	9
240	Preparation and characterization of sulfonated chitosan-modified gold nanoparticles and their surface electronic payload of charged drugs. *Science China Life Sciences*, **2018**, 61, 457-463	8.5	3
239	Study on the photocatalytic reaction kinetics in a TiO nanoparticles coated microreactor integrated microfluidics device. *Talanta*, **2018**, 182, 544-548	6.2	31

238	Gold Nanoparticle-Based Photoluminescent Nanoswitch Controlled by Host-Guest Recognition and Enzymatic Hydrolysis for Arginase Activity Assay. *ACS Applied Materials & Interfaces*, **2018**, 10, 5358-5364	9.5	21
237	Electrogenerated Chemiluminescence Imaging of Electrocatalysis at a Single Au-Pt Janus Nanoparticle. *Angewandte Chemie - International Edition*, **2018**, 57, 4010-4014	16.4	91
236	Facile electrochemiluminescence sensing platform based on high-quantum-yield gold nanocluster probe for ultrasensitive glutathione detection. *Biosensors and Bioelectronics*, **2018**, 105, 71-76	11.8	50
235	Localized surface plasmon resonance enhanced label-free photoelectrochemical immunoassay by Au-MoS2 nanohybrid. *Electrochimica Acta*, **2018**, 271, 361-369	6.7	15
234	Bioinspired Engineering of Cobalt-Phosphonate Nanosheets for Robust Hydrogen Evolution Reaction. *ACS Catalysis*, **2018**, 8, 3895-3902	13.1	58
233	On-chip microfluidic generation of monodisperse bubbles for liquid interfacial tension measurement. *Talanta*, **2018**, 176, 646-651	6.2	3
232	Preparation of strongly fluorescent water-soluble dithiothreitol modified gold nanoclusters coated with carboxychitosan, and their application to fluorometric determination of the immunosuppressive 6-mercaptopurine. *Mikrochimica Acta*, **2018**, 185, 400	5.8	11
231	Plasmon Coupling Effect-Enhanced Imaging of Metal Ions in Living Cells Using DNAzyme Assembled Core-Satellite Structures. *ACS Applied Materials & Interfaces*, **2018**, 10, 33966-33975	9.5	15
230	Graphene Plasmon-Enhanced IR Biosensing for in Situ Detection of Aqueous-Phase Molecules with an Attenuated Total Reflection Mode. *Analytical Chemistry*, **2018**, 90, 10786-10794	7.8	15
229	Aggregation-induced emission of luminol: a novel strategy for fluorescence ratiometric detection of ALP and As(v) with high sensitivity and selectivity. *Chemical Communications*, **2018**, 54, 7487-7490	5.8	47
228	Synergistically mediated enhancement of cathodic and anodic electrochemiluminescence of graphene quantum dots through chemical and electrochemical reactions of coreactants. *Chemical Science*, **2018**, 9, 6080-6084	9.4	37
227	Asymmetric Nanochannel-Ionchannel Hybrid for Ultrasensitive and Label-Free Detection of Copper Ions in Blood. *Analytical Chemistry*, **2018**, 90, 896-902	7.8	58
226	Atomic level tailoring of the electrocatalytic activity of Au-Pt core-shell nanoparticles with controllable Pt layers toward hydrogen evolution reaction. *Journal of Electroanalytical Chemistry*, **2018**, 819, 442-446	4.1	19
225	A Multiparameter pH-Sensitive Nanodevice Based on Plasmonic Nanopores. *Advanced Functional Materials*, **2018**, 28, 1703847	15.6	33
224	Combining plasmonics and electrochemistry at the nanoscale. *Current Opinion in Electrochemistry*, **2018**, 7, 95-102	7.2	27
223	Chain-length dependent interfacial immunoreaction kinetics on self-assembled monolayers revealed by surface-enhanced infrared absorption spectroscopy. *Talanta*, **2018**, 176, 124-129	6.2	9
222	An in situ SERS study of ionic transport and the Joule heating effect in plasmonic nanopores. *Chemical Communications*, **2018**, 54, 13236-13239	5.8	5
221	Importance of Hot Spots in Gold Nanostructures on Direct Plasmon-Enhanced Electrochemistry. *ACS Applied Nano Materials*, **2018**, 1, 5805-5811	5.6	23

220	Water as a Universal Infrared Probe for Bioanalysis in Aqueous Solution by Attenuated Total Reflection-Surface Enhanced Infrared Absorption Spectroscopy. *Analytical Chemistry*, **2018**, 90, 12979-12985	7.8	6
219	Exploring the Confinement Effect of Carbon Nanotubes on the Electrochemical Properties of Prussian Blue Nanoparticles. *Langmuir*, **2018**, 34, 6983-6990	4	10
218	Thermo and pH Dual Actuating Smart Porous Anodic Aluminum for Controllable Drug Release. *Advanced Materials Interfaces*, **2018**, 5, 1800185	4.6	12
217	Electrochromic-Tuned Plasmonics for Photothermal Sterile Window. *ACS Nano*, **2018**, 12, 6895-6903	16.7	53
216	Fabrication of Water-Soluble, Green-Emitting Gold Nanoclusters with a 65% Photoluminescence Quantum Yield via HostGuest Recognition. *Chemistry of Materials*, **2017**, 29, 1362-1369	9.6	139
215	Effect of Nanoemitters on Suppressing the Formation of Metal Adduct Ions in Electrospray Ionization Mass Spectrometry. *Analytical Chemistry*, **2017**, 89, 1838-1845	7.8	29
214	Organic Cyanide Decorated SERS Active Nanopipettes for Quantitative Detection of Hemeproteins and Fe in Single Cells. *Analytical Chemistry*, **2017**, 89, 2522-2530	7.8	49
213	Enhanced Peroxidase-Like Performance of Gold Nanoparticles by Hot Electrons. *Chemistry - A European Journal*, **2017**, 23, 6717-6723	4.8	45
212	Attenuated Total Reflection Surface-Enhanced Infrared Absorption Spectroscopy: a Powerful Technique for Bioanalysis. *Journal of Analysis and Testing*, **2017**, 1, 1	3.2	11
211	Direct Plasmon-Accelerated Electrochemical Reaction on Gold Nanoparticles. *ACS Nano*, **2017**, 11, 5897-5905	13.7	144
210	Self-cascade reaction catalyzed by CuO nanoparticle-based dual-functional enzyme mimics. *Biosensors and Bioelectronics*, **2017**, 97, 21-25	11.8	67
209	Chitosan-stabilized platinum nanoparticles as effective oxidase mimics for colorimetric detection of acid phosphatase. *Nanoscale*, **2017**, 9, 10292-10300	7.7	138
208	Label-free monitoring of the thrombinaptamer recognition reaction using an array of nanochannels coupled with electrochemical detection. *Electrochemistry Communications*, **2017**, 81, 5-9	5.1	18
207	Bimetallic Bi/Pt peroxidase mimic and its bioanalytical applications. *Analytica Chimica Acta*, **2017**, 971, 88-96	6.6	23
206	Insight into Ion Transfer through the Sub-Nanometer Channels in Zeolitic Imidazolate Frameworks. *Angewandte Chemie*, **2017**, 129, 4845-4849	3.6	21
205	Insight into Ion Transfer through the Sub-Nanometer Channels in Zeolitic Imidazolate Frameworks. *Angewandte Chemie - International Edition*, **2017**, 56, 4767-4771	16.4	47
204	Lanthanide-based metal-organic framework nanosheets with unique fluorescence quenching properties for two-color intracellular adenosine imaging in living cells. *NPG Asia Materials*, **2017**, 9, e354-e354	10.3	106
203	Insight into the Unique Fluorescence Quenching Property of Metal-Organic Frameworks upon DNA Binding. *Analytical Chemistry*, **2017**, 89, 11366-11371	7.8	57

202	Energy Level Engineering of MoS by Transition-Metal Doping for Accelerating Hydrogen Evolution Reaction. *Journal of the American Chemical Society*, **2017**, 139, 15479-15485	16.4	516
201	Intraorgan Targeting of Gold Conjugates for Precise Liver Cancer Treatment. *ACS Applied Materials & Interfaces*, **2017**, 9, 31458-31468	9.5	20
200	Nanopipette-Based SERS Aptasensor for Subcellular Localization of Cancer Biomarker in Single Cells. *Analytical Chemistry*, **2017**, 89, 9911-9917	7.8	41
199	Size-Controllable Gold Nanopores with High SERS Activity. *Analytical Chemistry*, **2017**, 89, 10407-10413	7.8	33
198	Highly sensitive and rapid colorimetric sensing platform based on water-soluble WO quantum dots with intrinsic peroxidase-like activity. *Analytica Chimica Acta*, **2017**, 992, 128-134	6.6	19
197	Alkaline peroxidase activity of cupric oxide nanoparticles and its modulation by ammonia. *Analyst, The*, **2017**, 142, 3986-3992	5	18
196	Highly Efficient Capture and Electrochemical Release of Circulating Tumor Cells by Using Aptamers Modified Gold Nanowire Arrays. *ACS Applied Materials & Interfaces*, **2017**, 9, 34706-34714	9.5	59
195	Ultrasensitive Capture, Detection, and Release of Circulating Tumor Cells Using a Nanochannel-Ion Channel Hybrid Coupled with Electrochemical Detection Technique. *Analytical Chemistry*, **2017**, 89, 10957-10964	7.8	101
194	Copper-Nitrogen-Doped Graphene Hybrid as an Electrochemical Sensing Platform for Distinguishing DNA Bases. *Analytical Chemistry*, **2017**, 89, 10858-10865	7.8	19
193	Colorimetric glutathione assay based on the peroxidase-like activity of a nanocomposite consisting of platinum nanoparticles and graphene oxide. *Mikrochimica Acta*, **2017**, 184, 3945-3951	5.8	27
192	Pharmacokinetics study of isorhamnetin in rat plasma by a sensitive electrochemical sensor based on reduced graphene oxide. *RSC Advances*, **2017**, 7, 36728-36734	3.7	5
191	Illustrating the Mass-Transport Effect on Enzyme Cascade Reaction Kinetics by Use of a Rotating Ring-Disk Electrode. *Analytical Chemistry*, **2017**, 89, 12924-12929	7.8	8
190	Marked ion current rectification in microchannels. *Science China Chemistry*, **2017**, 60, 685-686	7.9	
189	Competitive approach to the electrochemical detection of phosphopeptides on a porous ZrO2 thin film electrode. *Journal of Electroanalytical Chemistry*, **2016**, 781, 97-102	4.1	4
188	Water transport within carbon nanotubes on a wave. *Physical Chemistry Chemical Physics*, **2016**, 18, 33204-33218	3.3	8
187	A simple way to fine tune the redox potentials of cobalt ions encapsulated in nitrogen doped graphene molecular catalysts for the oxygen evolution reaction. *Chemical Communications*, **2016**, 52, 13409-13412	5.8	10
186	Fabrication and multifunctional properties of ultrasmall water-soluble tungsten oxide quantum dots. *Chemical Communications*, **2016**, 52, 9534-7	5.8	24
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