

Songqin Liu

List of Publications by Year in Descending Order

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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.

299
papers

12,716
citations

58
h-index

97
g-index

309
ext. papers

14,464
ext. citations

7.5
avg. IF

6.89
L-index

#	Paper	IF	Citations
299	Temporal sensing platform based on anodic dissolution of Ag and cathodic biocatalysis of oxygen reduction for <i>Staphylococcus aureus</i> detection.. <i>Food Chemistry</i> , 2022 , 383, 132404	8.5	0
298	A fluorescence and localized surface plasmon resonance dual-readout sensing strategy for detection of acetamiprid and organophosphorus pesticides. <i>Sensors and Actuators B: Chemical</i> , 2022 , 351, 130977	8.5	4
297	Cascaded Nanozyme System with High Reaction Selectivity by Substrate Screening and Channeling in a Microfluidic Device*. <i>Angewandte Chemie - International Edition</i> , 2021 , 61, e202112453	16.4	3
296	Label-free Electrochemiluminescence Imaging of Single-Cell Adhesions Using Bipolar Nanoelectrode Array. <i>Chemistry - A European Journal</i> , 2021 , 28, e202103964	4.8	1
295	Dual Imaging of Poly(ADP-ribose) Polymerase-1 and Endogenous HO for the Diagnosis of Cancer Cells Using Silver-Coated Gold Nanorods. <i>Analytical Chemistry</i> , 2021 , 93, 16248-16256	7.8	2
294	Fluorescent Assay of FEN1 Activity with Nicking Enzyme-Assisted Signal Amplification Based on ZIF-8 for Imaging in Living Cells. <i>Analytical Chemistry</i> , 2021 , 93, 4960-4966	7.8	13
293	Electrofluorochromic Imaging Analysis of Glycan Expression on Living Single Cell with Bipolar Electrode Arrays. <i>Analytical Chemistry</i> , 2021 , 93, 5114-5122	7.8	3
292	A yolk-shell structured Co ₂ @NC@CNC with double carbon shell coating from confined derivatization of ZIF-67 growth in carbon nanocages for superior Li storage. <i>Electrochimica Acta</i> , 2021 , 371, 137773	6.7	6
291	Dual-Mode FEN1 Activity Detection Based on Nt.BstNBI-Induced Tandem Signal Amplification. <i>Analytical Chemistry</i> , 2021 , 93, 6567-6572	7.8	8
290	In Situ Imaging of Cellular Reactive Oxygen Species and Caspase-3 Activity Using a Multifunctional Theranostic Probe for Cancer Diagnosis and Therapy. <i>Analytical Chemistry</i> , 2021 , 93, 7870-7878	7.8	6
289	Multifunctional Plasmonic Core-Satellites Nanoprobe for Cancer Diagnosis and Therapy Based on a Cascade Reaction Induced by MicroRNA. <i>Analytical Chemistry</i> , 2021 , 93, 9521-9530	7.8	5
288	Carbon NitrideBased Biosensors 2021 , 175-225		2
287	Water Molecule-Triggered Anisotropic Deformation of Carbon Nitride Nanoribbons Enabling Contactless Respiratory Inspection. <i>CCS Chemistry</i> , 2021 , 3, 1615-1625	7.2	13
286	Ultrasensitive and specific multi-miRNA detection based on dual signal amplification. <i>Sensors and Actuators B: Chemical</i> , 2021 , 337, 129745	8.5	4
285	Carbon nitride of five-membered rings with low optical bandgap for photoelectrochemical biosensing. <i>CheM</i> , 2021 ,	16.2	17
284	Biomimetic nanoreactor for targeted cancer starvation therapy and cascade amplified chemotherapy. <i>Biomaterials</i> , 2021 , 274, 120869	15.6	20
283	An OliGreen-responsive fluorescence sensor for sensitive detection of organophosphorus pesticide based on its specific selectivity towards T-Hg-T DNA structure. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 247, 119155	4.4	5

282	Dual-mode detection of PARP-1 by fluorescence and chemiluminescence. <i>Sensors and Actuators B: Chemical</i> , 2021 , 330, 129288	8.5	2
281	Bound oxygen-atom transfer endows peroxidase-mimic M-N-C with high substrate selectivity. <i>Chemical Science</i> , 2021 , 12, 8865-8871	9.4	10
280	Metal-doped carbon nitrides: synthesis, structure and applications. <i>New Journal of Chemistry</i> , 2021 , 45, 11876-11892	3.6	10
279	Unraveling fundamental active units in carbon nitride for photocatalytic oxidation reactions. <i>Nature Communications</i> , 2021 , 12, 320	17.4	55
278	Black Phosphorus Quantum Dots Encapsulated Biodegradable Hollow Mesoporous MnO ₂ : Dual-Modality Cancer Imaging and Synergistic Chemo-Phototherapy. <i>Advanced Functional Materials</i> , 2021 , 31, 2104643	15.6	10
277	Review: Multiplexed profiling of biomarkers in extracellular vesicles for cancer diagnosis and therapy monitoring. <i>Analytica Chimica Acta</i> , 2021 , 1175, 338633	6.6	11
276	Re-Examination of Plotting Analytical Response against Different Forms of Concentration. <i>Analytical Chemistry</i> , 2021 , 93, 11910-11914	7.8	3
275	Pd Nanoclusters Confined in ZIF-8 Matrixes for Fluorescent Detection of Glucose and Cholesterol. <i>ACS Applied Nano Materials</i> , 2021 , 4, 9132-9142	5.6	4
274	Smart Catalyzed Hairpin Assembly-Induced DNAzyme Nanosystem for Intracellular UDG Imaging. <i>Analytical Chemistry</i> , 2021 , 93, 13687-13693	7.8	5
273	Application of the Dimeric G-Quadruplex and toehold-mediated strand displacement reaction for fluorescence biosensing of ochratoxin A. <i>Biosensors and Bioelectronics</i> , 2021 , 192, 113537	11.8	2
272	Label-Free Imaging of Flap Endonuclease 1 in Living Cells by Assembling Original and Multifunctional Nanoprobe.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 4573-4580	4.1	9
271	The Fe-N-C Nanozyme with Both Accelerated and Inhibited Biocatalytic Activities Capable of Accessing Drug-Drug Interactions. <i>Angewandte Chemie</i> , 2020 , 132, 14606-14611	3.6	11
270	The Fe-N-C Nanozyme with Both Accelerated and Inhibited Biocatalytic Activities Capable of Accessing Drug-Drug Interactions. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 14498-14503	16.4	43
269	Calcium ion assisted fluorescence determination of microRNA-167 using carbon dots-labeled probe DNA and polydopamine-coated FeO nanoparticles. <i>Mikrochimica Acta</i> , 2020 , 187, 212	5.8	11
268	Single-Particle Assay of Poly(ADP-ribose) Polymerase-1 Activity with Dark-Field Optical Microscopy. <i>ACS Sensors</i> , 2020 , 5, 1198-1206	9.2	9
267	In situ detection of intracellular tissue transglutaminase based on aggregation-induced emission. <i>Chemical Communications</i> , 2020 , 56, 9008-9011	5.8	1
266	Electrochemiluminescent detection of hNQO1 and associated drug screening enabled by futile redox cycle reaction. <i>Sensors and Actuators B: Chemical</i> , 2020 , 321, 128557	8.5	2
265	In situ molecular imaging of adsorbed protein films in water indicating hydrophobicity and hydrophilicity. <i>Scientific Reports</i> , 2020 , 10, 3695	4.9	7

264	Single 2D MXene precursor-derived TiO ₂ nanosheets with a uniform decoration of amorphous carbon for enhancing photocatalytic water splitting. <i>Applied Catalysis B: Environmental</i> , 2020 , 270, 118885	21.8	47
263	Reconstructing hydrophobic ZIF-8 crystal into hydrophilic hierarchically-porous nanoflowers as catalyst carrier for nonenzymatic glucose sensing. <i>Sensors and Actuators B: Chemical</i> , 2020 , 313, 128031	8.5	16
262	Ultrafast Condensation of Carbon Nitride on Electrodes with Exceptional Boosted Photocurrent and Electrochemiluminescence. <i>Angewandte Chemie</i> , 2020 , 132, 1155-1159	3.6	18
261	Ultrafast Condensation of Carbon Nitride on Electrodes with Exceptional Boosted Photocurrent and Electrochemiluminescence. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 1139-1143	16.4	57
260	Accurate cancer cell identification and microRNA silencing induced therapy using tailored DNA tetrahedron nanostructures. <i>Chemical Science</i> , 2020 , 11, 80-86	9.4	52
259	A single-liquid miniature biofuel cell with boosting power density via gas diffusion bioelectrodes. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 3550-3556	7.3	7
258	Renewable electrochemical sensor for PARP-1 activity detection based on host-guest recognition. <i>Biosensors and Bioelectronics</i> , 2020 , 148, 111810	11.8	6
257	Integrated Microfluidic Device for Accurate Extracellular Vesicle Quantification and Protein Markers Analysis Directly from Human Whole Blood. <i>Analytical Chemistry</i> , 2020 , 92, 1574-1581	7.8	30
256	Space-Confined Synthesis of Yolk@Shell Structured Co ₃ O ₄ /Nitrogen-Doped Carbon Nanocomposites with Hollow Mesoporous Carbon Nanocages as Advanced Functional Anodes for Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2020 , 3, 11153-11163	6.1	12
255	Accurate Cancer Diagnosis and Stage Monitoring Enabled by Comprehensive Profiling of Different Types of Exosomal Biomarkers: Surface Proteins and miRNAs. <i>Small</i> , 2020 , 16, e2004492	11	20
254	Fluorescence sensor for organophosphorus pesticide detection based on the alkaline phosphatase-triggered reaction. <i>Analytica Chimica Acta</i> , 2020 , 1131, 102-108	6.6	16
253	Molecular engineering of C _x N _y : Topologies, electronic structures and multidisciplinary applications. <i>Chinese Chemical Letters</i> , 2020 , 31, 3047-3054	8.1	25
252	Atomically ordered intermetallic PdZn coupled with Co nanoparticles as a highly dispersed dual catalyst chemically bonded to N-doped carbon for boosting oxygen reduction reaction performance. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 21327-21338	13	6
251	Preparation of carbon nitride nanoparticles by nanoprecipitation method with high yield and enhanced photocatalytic activity. <i>Chinese Chemical Letters</i> , 2020 , 31, 513-516	8.1	22
250	Magnetic ferroferric oxide and polydopamine molecularly imprinted polymer nanocomposites based electrochemical impedance sensor for the selective separation and sensitive determination of dichlorodiphenyltrichloroethane (DDT). <i>Analytica Chimica Acta</i> , 2020 , 1095, 82-92	6.6	40
249	Promoting condensation kinetics of polymeric carbon nitride for enhanced photocatalytic activities. <i>Chinese Chemical Letters</i> , 2020 , 31, 115-118	8.1	16
248	Investigation of Environmental Pollutant-Induced Lung Inflammation and Injury in a 3D Coculture-Based Microfluidic Pulmonary Alveolus System. <i>Analytical Chemistry</i> , 2020 , 92, 7200-7208	7.8	19
247	A simple and sensitive electrochemiluminescence aptasensor for determination of ochratoxin A based on a nicking endonuclease-powered DNA walking machine. <i>Food Chemistry</i> , 2019 , 282, 141-146	8.5	49

246	Carbon Nitride Co-catalyst Activation Using N-Doped Carbon with Enhanced Photocatalytic H Evolution. <i>Langmuir</i> , 2019 , 35, 12366-12373	4	13
245	High specificity and efficiency electrochemical detection of poly(ADP-ribose) polymerase-1 activity based on versatile peptide-templated copper nanoparticles and detection array. <i>Analytica Chimica Acta</i> , 2019 , 1091, 95-102	6.6	9
244	An electrochemical enzymatic nanoreactor based on dendritic mesoporous silica nanoparticles for living cell HO detection. <i>Analyst, The</i> , 2019 , 144, 481-487	5	21
243	Electrochemical aptasensor for aflatoxin B1 based on smart host-guest recognition of Eyclodextrin polymer. <i>Biosensors and Bioelectronics</i> , 2019 , 129, 58-63	11.8	54
242	Epsilon-poly-l-lysine decorated ordered mesoporous silica contributes to the synergistic antifungal effect and enhanced solubility of a lipophilic drug. <i>Materials Science and Engineering C</i> , 2019 , 99, 231-240	8.3	15
241	Label-free poly(ADP-ribose) polymerase-1 activity assay based on perpendicular orientated mesoporous silica films. <i>Sensors and Actuators B: Chemical</i> , 2019 , 294, 185-191	8.5	3
240	Visual Electrofluorochromic Detection of Cancer Cell Surface Glycoprotein on a Closed Bipolar Electrode Chip. <i>Analytical Chemistry</i> , 2019 , 91, 7902-7910	7.8	18
239	Hot-Tailoring of Carbon Nitride Dots with Redshifted Photoluminescence for Visual Double Text Encryption and Bioimaging. <i>Chemistry - A European Journal</i> , 2019 , 25, 10188-10196	4.8	23
238	A label-free PFP-based photoelectrochemical biosensor for highly sensitive detection of PARP-1 activity. <i>Biosensors and Bioelectronics</i> , 2019 , 138, 111308	11.8	16
237	Quartz crystal microbalance for telomerase sensing based on gold nanoparticle induced signal amplification. <i>Chemical Communications</i> , 2019 , 55, 5994-5997	5.8	10
236	Telomerase and poly(ADP-ribose) polymerase-1 activity sensing based on the high fluorescence selectivity and sensitivity of TOTO-1 towards G bases in single-stranded DNA and poly(ADP-ribose). <i>Chemical Science</i> , 2019 , 10, 3706-3714	9.4	25
235	Highly sensitive fluorescent bioassay of 2,3,7,8-tetrachloro-dibenzo-p-dioxin based on abnormal expression of cytochrome P450 1A2 in human cells. <i>Analytica Chimica Acta</i> , 2019 , 1046, 179-184	6.6	4
234	Covalent stabilization and functionalization of MXene via silylation reactions with improved surface properties. <i>FlatChem</i> , 2019 , 17, 100128	5.1	44
233	A three-dimensional DNAzyme motor for sensitive imaging of telomerase activity in living cells. <i>Sensors and Actuators B: Chemical</i> , 2019 , 298, 126930	8.5	15
232	Theranostic Nanoprobe Mediated Simultaneous Monitoring and Inhibition of P-Glycoprotein Potentiating Multidrug-Resistant Cancer Therapy. <i>Analytical Chemistry</i> , 2019 , 91, 11200-11208	7.8	13
231	Continuously Tunable Ion Rectification and Conductance in Submicrochannels Stemming from Thermoresponsive Polymer Self-Assembly. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 12481-12485	16.4	23
230	Titanium dioxide and polypyrrole molecularly imprinted polymer nanocomposites based electrochemical sensor for highly selective detection of p-nonylphenol. <i>Analytica Chimica Acta</i> , 2019 , 1080, 84-94	6.6	31
229	Quartz Crystal Microbalance Detection of Poly(ADP-ribose) Polymerase-1 Based on Gold Nanorods Signal Amplification. <i>Analytical Chemistry</i> , 2019 , 91, 11038-11044	7.8	18

228	Zero-Dimensional-g-CNQD-Coordinated Two-Dimensional Porphyrin MOF Hybrids for Boosting Photocatalytic CO Reduction. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 42243-42249	9.5	55
227	Activatable Fluorescence Imaging and Targeted Drug Delivery via Extracellular Vesicle-Like Porous Coordination Polymer Nanoparticles. <i>Analytical Chemistry</i> , 2019 , 91, 14036-14042	7.8	11
226	Ratiometric fluorescence sensor for organophosphorus pesticide detection based on opposite responses of two fluorescence reagents to MnO nanosheets. <i>Biosensors and Bioelectronics</i> , 2019 , 145, 111705	11.8	45
225	Promoting Photodegradation Efficiency via a Heterojunction Photocatalyst Combining with Oxygen Direct and Fast Diffusion from the Gas Phase to Active Catalytic Sites. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 44922-44930	9.5	11
224	Bioinspired in Vitro Lung Airway Model for Inflammatory Analysis via Hydrophobic Nanochannel Membrane with Joint Three-Phase Interface. <i>Analytical Chemistry</i> , 2019 , 91, 15804-15810	7.8	5
223	Harnessing Photoluminescent Properties of Carbon Nitride Nanosheets in a Hierarchical Matrix. <i>Advanced Functional Materials</i> , 2019 , 29, 1905576	15.6	19
222	Continuously Tunable Ion Rectification and Conductance in Submicrochannels Stemming from Thermoresponsive Polymer Self-Assembly. <i>Angewandte Chemie</i> , 2019 , 131, 12611-12615	3.6	3
221	Exfoliation and Sensitization of 2D Carbon Nitride for Photoelectrochemical Biosensing under Red Light. <i>Chemistry - A European Journal</i> , 2019 , 25, 15680-15686	4.8	24
220	Non-covalent pre-organization of molecular precursors: A facile approach for engineering structures and activities of pyrolyzed Co-N-C electrocatalysts. <i>Carbon</i> , 2019 , 144, 312-320	10.4	22
219	In-Situ imaging detection of cell membrane and intracellular cholesterol via cascade reactions. <i>Biosensors and Bioelectronics</i> , 2019 , 126, 249-254	11.8	3
218	Simultaneous detection of three biomarkers related to acute myocardial infarction based on immunosensing biochip. <i>Biosensors and Bioelectronics</i> , 2019 , 126, 767-772	11.8	28
217	Molecular engineering of polymeric carbon nitride: advancing applications from photocatalysis to biosensing and more. <i>Chemical Society Reviews</i> , 2018 , 47, 2298-2321	58.5	362
216	Competitive Multiple-Mechanism-Driven Electrochemiluminescent Detection of 8-Hydroxy-2'-deoxyguanosine. <i>Journal of the American Chemical Society</i> , 2018 , 140, 2801-2804	16.4	128
215	Highly Sensitive and Quality Self-Testable Electrochemiluminescence Assay of DNA Methyltransferase Activity Using Multifunctional Sandwich-Assembled Carbon Nitride Nanosheets. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 6887-6894	9.5	36
214	Ultrasensitive electrochemical detection of poly (ADP-ribose) polymerase-1 via polyaniline deposition. <i>Talanta</i> , 2018 , 180, 127-132	6.2	10
213	Electrochemiluminescent detection of cardiac troponin I by using soybean peroxidase labeled-antibody as signal amplifier. <i>Talanta</i> , 2018 , 180, 47-53	6.2	27
212	Counterions-mediated gold nanorods-based sensor for label-free detection of poly(ADP-ribose) polymerase-1 activity and its inhibitor. <i>Sensors and Actuators B: Chemical</i> , 2018 , 259, 565-572	8.5	16
211	Bioinspired Kirigami Fish-Based Highly Stretched Wearable Biosensor for Human Biochemical/Physiological Hybrid Monitoring. <i>Advanced Materials Technologies</i> , 2018 , 3, 1700308	6.8	40

210	Synthesis of porphyrin-based two-dimensional metal-organic framework nanodisk with small size and few layers. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 2828-2833	13	72
209	Detection of PARP-1 activity based on hyperbranched-poly (ADP-ribose) polymers responsive current in artificial nanochannels. <i>Biosensors and Bioelectronics</i> , 2018 , 113, 136-141	11.8	12
208	Recent biomedical applications of bio-sourced materials. <i>Bio-Design and Manufacturing</i> , 2018 , 1, 26-44	4.7	10
207	Multicolor sensor for organophosphorus pesticides determination based on the bi-enzyme catalytic etching of gold nanorods. <i>Sensors and Actuators B: Chemical</i> , 2018 , 265, 675-681	8.5	40
206	Solution-based processing of carbon nitride composite for boosted photocatalytic activities. <i>Chinese Chemical Letters</i> , 2018 , 29, 437-440	8.1	20
205	A biomass derived nitrogen doped carbon fibers as efficient catalysts for the oxygen reduction reaction. <i>Journal of Electroanalytical Chemistry</i> , 2018 , 824, 60-66	4.1	20
204	A sensitive fluorescence turn-off-on biosensor for poly(ADP-ribose) polymerase-1 detection based on cationic conjugated polymer-MnO ₂ nanosheets. <i>Sensors and Actuators B: Chemical</i> , 2018 , 273, 1047-1053	8.5	14
203	Polydopamine functionalized nanoporous graphene foam as nanoreactor for efficient electrode-driven metabolism of steroid hormones. <i>Biosensors and Bioelectronics</i> , 2018 , 119, 182-190	11.8	10
202	Manifold methods for telomerase activity detection based on various unique probes. <i>TrAC - Trends in Analytical Chemistry</i> , 2018 , 105, 404-412	14.6	13
201	Coupled Fluorometer-Potentiostat System and Metal-Free Monochromatic Luminophores for High-Resolution Wavelength-Resolved Electrochemiluminescent Multiplex Bioassay. <i>ACS Sensors</i> , 2018 , 3, 1362-1367	9.2	33
200	pH-sensitive metal-phenolic network capsules for targeted photodynamic therapy against cancer cells. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018 , 46, 1552-1561	6.1	7
199	Dissolution and homogeneous photocatalysis of polymeric carbon nitride. <i>Chemical Science</i> , 2018 , 9, 7912-7915	9.4	29
198	Novel Fluorescence Switch for MicroRNA Imaging in Living Cells Based on DNAzyme Amplification Strategy. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 43405-43410	9.5	48
197	Enhanced Metabolic Activity of Cytochrome P450 via Carbon Nanocage-Based Photochemical Bionanoreactor. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 41956-41961	9.5	1
196	Strategy for In Situ Imaging of Cellular Alkaline Phosphatase Activity Using Gold Nanoflower Probe and Localized Surface Plasmon Resonance Technique. <i>Analytical Chemistry</i> , 2018 , 90, 14056-14062	7.8	49
195	Determination of Benzopyrene-Induced Lung Inflammatory and Cytotoxic Injury in a Chemical Gradient-Integrated Microfluidic Bronchial Epithelium System. <i>ACS Sensors</i> , 2018 , 3, 2716-2725	9.2	13
194	Improving the fluorometric determination of the cancer biomarker 8-hydroxy-2'-deoxyguanosine by using a 3D DNA nanomachine. <i>Mikrochimica Acta</i> , 2018 , 185, 494	5.8	17
193	Fe-N-C Artificial Enzyme: Activation of Oxygen for Dehydrogenation and Monooxygenation of Organic Substrates under Mild Condition and Cancer Therapeutic Application. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 35327-35333	9.5	47

192	Nitrogen-doped carbon quantum dots for fluorescence detection of Cu and electrochemical monitoring of bisphenol A. <i>RSC Advances</i> , 2018 , 8, 20000-20006	3.7	26
191	Metal-Free All-Carbon Nanohybrid for Ultrasensitive Photoelectrochemical Immunosensing of alpha-Fetoprotein. <i>ACS Sensors</i> , 2018 , 3, 1385-1391	9.2	59
190	Construction of Three-Dimensional Hemin-Functionalized Graphene Hydrogel with High Mechanical Stability and Adsorption Capacity for Enhancing Photodegradation of Methylene Blue. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 4006-4014	9.5	71
189	Coupling multiphase-Fe and hierarchical N-doped graphitic carbon as trifunctional electrocatalysts by supramolecular preorganization of precursors. <i>Chemical Communications</i> , 2017 , 53, 2044-2047	5.8	42
188	Coupling polymorphic nanostructured carbon nitrides into an isotype heterojunction with boosted photocatalytic H evolution. <i>Chemical Communications</i> , 2017 , 53, 2978-2981	5.8	64
187	Application of Spectral Crosstalk Correction for Improving Multiplexed MicroRNA Detection Using a Single Excitation Wavelength. <i>Analytical Chemistry</i> , 2017 , 89, 3430-3436	7.8	34
186	Confining a bi-enzyme inside the nanochannels of a porous aluminum oxide membrane for accelerating the enzymatic reactions. <i>Chemical Communications</i> , 2017 , 53, 2673-2676	5.8	12
185	MnO Nanotube-Based NanoSearchlight for Imaging of Multiple MicroRNAs in Live Cells. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 23325-23332	9.5	25
184	Polydopamine induced in-situ growth of Au nanoparticles on reduced graphene oxide as an efficient biosensing platform for ultrasensitive detection of bisphenol A. <i>Electrochimica Acta</i> , 2017 , 242, 56-65	6.7	36
183	In Situ Detection and Imaging of Telomerase Activity in Cancer Cell Lines via Disassembly of Plasmonic Core-Satellites Nanostructured Probe. <i>Analytical Chemistry</i> , 2017 , 89, 7262-7268	7.8	39
182	A novel photoelectrochemical immunosensor by integration of nanobody and ZnO nanorods for sensitive detection of nucleoside diphosphatase kinase-A. <i>Analytica Chimica Acta</i> , 2017 , 973, 82-90	6.6	32
181	A sensitive, label-free electrochemical detection of telomerase activity without modification or immobilization. <i>Biosensors and Bioelectronics</i> , 2017 , 91, 347-353	11.8	28
180	Construction of iron-polymer-graphene nanocomposites with low nonspecific adsorption and strong quenching ability for competitive immunofluorescent detection of biomarkers in GM crops. <i>Biosensors and Bioelectronics</i> , 2017 , 90, 321-328	11.8	11
179	Visual, Label-Free Telomerase Activity Monitor via Enzymatic Etching of Gold Nanorods. <i>Analytical Chemistry</i> , 2017 , 89, 12094-12100	7.8	68
178	Electrochemically-driven benzo[a]pyrene metabolism via human cytochrome P450 1A1 with reductase coated nitrogen-doped graphene nano-composites. <i>Journal of Electroanalytical Chemistry</i> , 2017 , 804, 23-28	4.1	9
177	Promoting the Electrochemical Performances by Chemical Depositing of Gold Nanoparticles Inside Pores of 3D Nitrogen-Doped Carbon Nanocages. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 31968-31976	9.5	15
176	An ultrasensitive photoelectrochemical immunosensor by integration of nanobody, TiO ₂ nanorod arrays and ZnS nanoparticles for the detection of tumor necrosis factor- α . <i>Journal of Electroanalytical Chemistry</i> , 2017 , 803, 1-10	4.1	13
175	Driving electrochemical oxygen reduction and hydrazine oxidation reaction by enzyme-inspired polymeric Cu(3,3'-diaminobenzidine) catalyst. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 17413-17420	13	30

174	Visual and fluorometric determination of telomerase activity by using a cationic conjugated polymer and fluorescence resonance energy transfer. <i>Mikrochimica Acta</i> , 2017 , 184, 3453-3460	5.8	9
173	Effect of Carbon Supports on Enhancing Mass Kinetic Current Density of Fe-N/C Electrocatalysts. <i>Chemistry - A European Journal</i> , 2017 , 23, 14597-14603	4.8	15
172	A biomass derived N/C-catalyst for the electrochemical production of hydrogen peroxide. <i>Chemical Communications</i> , 2017 , 53, 9994-9997	5.8	70
171	Simultaneous Noncovalent Modification and Exfoliation of 2D Carbon Nitride for Enhanced Electrochemiluminescent Biosensing. <i>Journal of the American Chemical Society</i> , 2017 , 139, 11698-11701	16.4	202
170	Boosting Gas Involved Reactions at Nanochannel Reactor with Joint Gas-Solid-Liquid Interfaces and Controlled Wettability. <i>Journal of the American Chemical Society</i> , 2017 , 139, 10441-10446	16.4	54
169	A simple, fast, label-free colorimetric method for detection of telomerase activity in urine by using hemin-graphene conjugates. <i>Biosensors and Bioelectronics</i> , 2017 , 87, 600-606	11.8	54
168	Fast steroid hormone metabolism assays with electrochemical liver microsomal bioreactor based on polydopamine encapsulated gold-graphene nanocomposite. <i>Electrochimica Acta</i> , 2017 , 258, 1365-1374	6.7	8
167	Label-Free Detection of Telomerase Activity in Urine Using Telomerase-Responsive Porous Anodic Alumina Nanochannels. <i>Analytical Chemistry</i> , 2016 , 88, 8107-14	7.8	46
166	A label-free ultrasensitive assay of 8-hydroxy-2'-deoxyguanosine in human serum and urine samples via polyaniline deposition and tetrahedral DNA nanostructure. <i>Analytica Chimica Acta</i> , 2016 , 946, 48-55	6.6	23
165	Nitrogen-doped porous carbon with a hierarchical structure prepared for a high performance symmetric supercapacitor. <i>RSC Advances</i> , 2016 , 6, 101988-101994	3.7	8
164	Sensitive electrochemical assaying of DNA methyltransferase activity based on mimic-hybridization chain reaction amplified strategy. <i>Analytica Chimica Acta</i> , 2016 , 933, 75-81	6.6	14
163	Quantitation of DNA methyltransferase activity via chronocoulometry in combination with rolling chain amplification. <i>Biosensors and Bioelectronics</i> , 2016 , 85, 25-31	11.8	13
162	Fe ₃ O ₄ -Capped Mesoporous Silica Foam for pH-Responsive Drug Delivery. <i>Journal of Nanoscience and Nanotechnology</i> , 2016 , 16, 6781-6787	1.3	6
161	A novel photoelectrochemical immunosensor by integration of nanobody and TiO ₂ nanotubes for sensitive detection of serum cystatin C. <i>Analytica Chimica Acta</i> , 2016 , 902, 107-114	6.6	29
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159	Chemical imaging of molecular changes in a hydrated single cell by dynamic secondary ion mass spectrometry and super-resolution microscopy. <i>Integrative Biology (United Kingdom)</i> , 2016 , 8, 635-44	3.7	43
158	A portable chemiluminescence imaging immunoassay for simultaneous detection of different isoforms of prostate specific antigen in serum. <i>Biosensors and Bioelectronics</i> , 2016 , 81, 97-102	11.8	62
157	Ionic liquid-derived Fe ₃ N/C catalysts for highly efficient oxygen reduction reaction without any supports, templates, or multi-step pyrolysis. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 6630-6638	13	44

156	Enhanced light-driven catalytic performance of cytochrome P450 confined in macroporous silica. <i>Chemical Communications</i> , 2016 , 52, 7703-6	5.8	9
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147	Multifunctional nanoprobe for cancer cell targeting and simultaneous fluorescence/magnetic resonance imaging. <i>Analytica Chimica Acta</i> , 2016 , 938, 156-64	6.6	19
146	Crystallinity Modulation of Layered Carbon Nitride for Enhanced Photocatalytic Activities. <i>Chemistry - A European Journal</i> , 2016 , 22, 12449-54	4.8	58
145	Nanostructured 2D Diporphyrin Honeycomb Film: Photoelectrochemistry, Photodegradation, and Antibacterial Activity. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 11783-91	9.5	24
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10	Reagentless glucose biosensor based on direct electron transfer of glucose oxidase immobilized on colloidal gold modified carbon paste electrode. <i>Biosensors and Bioelectronics</i> , 2003 , 19, 177-83	11.8	399
9	Glucose sensor for flow injection analysis of serum glucose based on immobilization of glucose oxidase in titania sol-gel membrane. <i>Biosensors and Bioelectronics</i> , 2003 , 19, 401-9	11.8	147
8	Mediator-free phenol sensor based on titania sol-gel encapsulation matrix for immobilization of tyrosinase by a vapor deposition method. <i>Biosensors and Bioelectronics</i> , 2003 , 19, 509-14	11.8	90
7	Application of Colloidal Gold in Protein Immobilization, Electron Transfer, and Biosensing. <i>Analytical Letters</i> , 2003 , 36, 1-19	2.2	160
6	Nitrite reduction and detection at a carbon paste electrode containing hemoglobin and colloidal gold. <i>Analyst, The</i> , 2003 , 128, 1420-4	5	50
5	Disposable Nitrite Sensor Based on Hemoglobin-Colloidal Gold Nanoparticle Modified Screen-Printed Electrode. <i>Analytical Letters</i> , 2003 , 36, 2427-2442	2.2	15
4	Electrochemistry of Cytochrome c Immobilized on Colloidal Gold Modified Carbon Paste Electrodes and Its Electrocatalytic Activity. <i>Electroanalysis</i> , 2002 , 14, 141-147	3	146
3	Renewable reagentless hydrogen peroxide sensor based on direct electron transfer of horseradish peroxidase immobilized on colloidal gold-modified electrode. <i>Analytical Biochemistry</i> , 2002 , 307, 110-6	3.1	252
2	Quantitative evaluation of O ₂ activation half-reaction for Fe ^{III} in oxidase-like activity enhancement. <i>Catalysis Science and Technology</i> ,	5.5	0
1	Electrochemistry of Cytochrome c Immobilized on Colloidal Gold Modified Carbon Paste Electrodes and Its Electrocatalytic Activity		1