

Songqin Liu

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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	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
298	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
297	Gold nanoparticle-based signal amplification for biosensing. <i>Analytical Biochemistry</i> , 2011 , 417, 1-16	3.1	294
296	Nitrogen-doped carbon nanotubes: high electrocatalytic activity toward the oxidation of hydrogen peroxide and its application for biosensing. <i>ACS Nano</i> , 2010 , 4, 4292-8	16.7	275
295	Coadsorption of horseradish peroxidase with thionine on TiO ₂ nanotubes for biosensing. <i>Langmuir</i> , 2005 , 21, 8409-13	4	274
294	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
293	Dissolution and liquid crystals phase of 2D polymeric carbon nitride. <i>Journal of the American Chemical Society</i> , 2015 , 137, 2179-82	16.4	244
292	Direct electron transfer and enzymatic activity of hemoglobin in a hexagonal mesoporous silica matrix. <i>Biosensors and Bioelectronics</i> , 2004 , 19, 861-7	11.8	242
291	Immobilization of hemoglobin on zirconium dioxide nanoparticles for preparation of a novel hydrogen peroxide biosensor. <i>Biosensors and Bioelectronics</i> , 2004 , 19, 963-9	11.8	213
290	Chemical Cleavage of Layered Carbon Nitride with Enhanced Photoluminescent Performances and Photoconduction. <i>ACS Nano</i> , 2015 , 9, 12480-7	16.7	211
289	Enzyme-functionalized silica nanoparticles as sensitive labels in biosensing. <i>Analytical Chemistry</i> , 2009 , 81, 1600-7	7.8	211
288	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
287	Application of Colloidal Gold in Protein Immobilization, Electron Transfer, and Biosensing. <i>Analytical Letters</i> , 2003 , 36, 1-19	2.2	160
286	Versatile immunosensor using a quantum dot coated silica nanosphere as a label for signal amplification. <i>Analytical Chemistry</i> , 2010 , 82, 6422-9	7.8	154
285	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
284	Thirty years of haemoglobin electrochemistry. <i>Advances in Colloid and Interface Science</i> , 2005 , 116, 111-20	14.3	147
283	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

282	Renewable phenol biosensor based on a tyrosinase-colloidal gold modified carbon paste electrode. <i>Journal of Electroanalytical Chemistry</i> , 2003 , 540, 61-67	4.1	134
281	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
280	Reversible Assembly of Graphitic Carbon Nitride 3D Network for Highly Selective Dyes Absorption and Regeneration. <i>ACS Nano</i> , 2016 , 10, 9036-43	16.7	128
279	Environment-friendly preparation of porous graphite-phase polymeric carbon nitride using calcium carbonate as templates, and enhanced photoelectrochemical activity. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 5126-5131	13	121
278	Graphene quantum dots enhanced photocatalytic activity of zinc porphyrin toward the degradation of methylene blue under visible-light irradiation. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 8552-8558	13	119
277	Selective collection and detection of MCF-7 breast cancer cells using aptamer-functionalized magnetic beads and quantum dots based nano-bio-probes. <i>Analytica Chimica Acta</i> , 2013 , 788, 135-40	6.6	112
276	Chemically Modulated Carbon Nitride Nanosheets for Highly Selective Electrochemiluminescent Detection of Multiple Metal-ions. <i>Analytical Chemistry</i> , 2016 , 88, 6004-10	7.8	110
275	Applications of nanomaterials in electrochemical enzyme biosensors. <i>Sensors</i> , 2009 , 9, 8547-61	3.8	107
274	CdTe quantum dot functionalized silica nanosphere labels for ultrasensitive detection of biomarker. <i>Chemical Communications</i> , 2009 , 2670-2	5.8	106
273	Biopolymer-activated graphitic carbon nitride towards a sustainable photocathode material. <i>Scientific Reports</i> , 2013 , 3, 2163	4.9	103
272	Metal-free nitrogen-doped hollow carbon spheres synthesized by thermal treatment of poly(o-phenylenediamine) for oxygen reduction reaction in direct methanol fuel cell applications. <i>Journal of Materials Chemistry</i> , 2012 , 22, 10911		97
271	Recent advances of doped carbon as non-precious catalysts for oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 15704-15716	13	96
270	Direct electron transfer of cytochrome c immobilized on a NaY zeolite matrix and its application in biosensing. <i>Electrochimica Acta</i> , 2004 , 49, 2139-2144	6.7	95
269	Colorimetric detection of influenza A virus using antibody-functionalized gold nanoparticles. <i>Analyst, The</i> , 2015 , 140, 3989-95	5	94
268	Polymer-functionalized silica nanosphere labels for ultrasensitive detection of tumor necrosis factor-alpha. <i>Analytical Chemistry</i> , 2011 , 83, 6800-9	7.8	93
267	Layer by layer immobilized horseradish peroxidase on zinc oxide nanorods for biosensing. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 6553-7	3.4	93
266	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
265	Electrochemiluminescence resonance energy transfer between graphene quantum dots and gold nanoparticles for DNA damage detection. <i>Analyst, The</i> , 2014 , 139, 2404-10	5	89

264	Electrochemiluminescent detection of mucin 1 protein and MCF-7 cancer cells based on the resonance energy transfer. <i>Analyst, The</i> , 2012 , 137, 2101-6	5	87
263	Electrochemical biosensing using amplification-by-polymerization. <i>Analytical Chemistry</i> , 2009 , 81, 7015-218		86
262	ZnO quantum dot labeled immunosensor for carbohydrate antigen 19-9. <i>Biosensors and Bioelectronics</i> , 2011 , 26, 2720-3	11.8	85
261	Label-free photoelectrochemical immunosensor for neutrophil gelatinase-associated lipocalin based on the use of nanobodies. <i>Analytical Chemistry</i> , 2015 , 87, 2007-15	7.8	83
260	Simultaneous detection of dual proteins using quantum dots coated silica nanoparticles as labels. <i>Biosensors and Bioelectronics</i> , 2011 , 28, 314-9	11.8	81
259	Electrocatalysis via Direct Electrochemistry of Myoglobin Immobilized on Colloidal Gold Nanoparticles. <i>Electroanalysis</i> , 2003 , 15, 1488-1493	3	79
258	Tyrosinase immobilization on ZnO nanorods for phenol detection. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 377-81	3.4	78
257	Electrochemiluminescence immunosensor for ultrasensitive detection of biomarker using Ru(bpy)(3)(2+)-encapsulated silica nanosphere labels. <i>Analytica Chimica Acta</i> , 2010 , 665, 32-8	6.6	78
256	Potential-Modulated Electrochemiluminescence of Carbon Nitride Nanosheets for Dual-Signal Sensing of Metal Ions. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 23672-8	9.5	74
255	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
254	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
253	Construction of photoelectrochemical thrombin aptasensor via assembling multilayer of graphene-CdS nanocomposites. <i>Biosensors and Bioelectronics</i> , 2015 , 64, 611-7	11.8	71
252	A biomass derived N/C-catalyst for the electrochemical production of hydrogen peroxide. <i>Chemical Communications</i> , 2017 , 53, 9994-9997	5.8	70
251	Visual, Label-Free Telomerase Activity Monitor via Enzymatic Etching of Gold Nanorods. <i>Analytical Chemistry</i> , 2017 , 89, 12094-12100	7.8	68
250	Electrochemistry of cytochrome P450 enzyme on nanoparticle-containing membrane-coated electrode and its applications for drug sensing. <i>Analytical Biochemistry</i> , 2008 , 375, 209-16	3.1	65
249	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
248	Integrated tyramide and polymerization-assisted signal amplification for a highly-sensitive immunoassay. <i>Analytical Chemistry</i> , 2012 , 84, 10737-44	7.8	64
247	A reusable electrochemical immunosensor for carcinoembryonic antigen via molecular recognition of glycoprotein antibody by phenylboronic acid self-assembly layer on gold. <i>Analyst, The</i> , 2008 , 133, 485-92	5.92	63

246	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
245	Quantitative detection of potassium ions and adenosine triphosphate via a nanochannel-based electrochemical platform coupled with G-quadruplex aptamers. <i>Analytical Chemistry</i> , 2014 , 86, 10741-8	7.8	62
244	Ferroceneboronic acid-based amperometric biosensor for glycated hemoglobin. <i>Sensors and Actuators B: Chemical</i> , 2006 , 113, 623-629	8.5	61
243	Metal-Free All-Carbon Nanohybrid for Ultrasensitive Photoelectrochemical Immunosensing of alpha-Fetoprotein. <i>ACS Sensors</i> , 2018 , 3, 1385-1391	9.2	59
242	Crystallinity Modulation of Layered Carbon Nitride for Enhanced Photocatalytic Activities. <i>Chemistry - A European Journal</i> , 2016 , 22, 12449-54	4.8	58
241	Label-free electrochemical immunosensors based on surface-initiated atom radical polymerization. <i>Biosensors and Bioelectronics</i> , 2012 , 38, 79-85	11.8	57
240	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
239	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
238	A nanobody-based electrochemiluminescent immunosensor for sensitive detection of human procalcitonin. <i>Analyst, The</i> , 2014 , 139, 3718-21	5	55
237	Carbon-nanotube-enhanced direct electron-transfer reactivity of hemoglobin immobilized on polyurethane elastomer film. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 1182-8	3.4	55
236	A Novel Hydrogen Peroxide Sensor via the Direct Electrochemistry of Horseradish Peroxidase Immobilized on Colloidal Gold Modified Screen-printed Electrode. <i>Sensors</i> , 2003 , 3, 350-360	3.8	55
235	Unraveling fundamental active units in carbon nitride for photocatalytic oxidation reactions. <i>Nature Communications</i> , 2021 , 12, 320	17.4	55
234	Electrochemical aptasensor for aflatoxin B1 based on smart host-guest recognition of Cyclodextrin polymer. <i>Biosensors and Bioelectronics</i> , 2019 , 129, 58-63	11.8	54
233	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
232	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
231	Electron transfer properties and electrocatalytic behavior of tyrosinase on ZnO nanorod. <i>Journal of Electroanalytical Chemistry</i> , 2008 , 617, 7-13	4.1	53
230	A high-throughput homogeneous immunoassay based on Förster resonance energy transfer between quantum dots and gold nanoparticles. <i>Analytica Chimica Acta</i> , 2013 , 763, 43-9	6.6	52
229	Phenylboronic acid self-assembled layer on glassy carbon electrode for recognition of glycoprotein peroxidase. <i>Electrochemistry Communications</i> , 2005 , 7, 1232-1236	5.1	52

228	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
227	Target-cell-specific fluorescence silica nanoprobe for imaging and theranostics of cancer cells. <i>Analytical Chemistry</i> , 2014 , 86, 3602-9	7.8	50
226	Co-immobilization of glucose oxidase and hexokinase on silicate hybrid sol-gel membrane for glucose and ATP detections. <i>Biosensors and Bioelectronics</i> , 2007 , 22, 905-11	11.8	50
225	Nitrite reduction and detection at a carbon paste electrode containing hemoglobin and colloidal gold. <i>Analyst, The</i> , 2003 , 128, 1420-4	5	50
224	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
223	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
222	Catalytic activity and stability of glucose oxidase/horseradish peroxidase co-confined in macroporous silica foam. <i>Analyst, The</i> , 2012 , 137, 5785-91	5	48
221	Specific binding of glycoproteins with poly(aniline boronic acid) thin film. <i>Journal of Electroanalytical Chemistry</i> , 2006 , 591, 210-216	4.1	48
220	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
219	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
218	Label-free ultrasensitive detection of telomerase activity via multiple telomeric hemin/G-quadruplex triggered polyaniline deposition and a DNA tetrahedron-structure regulated signal. <i>Chemical Communications</i> , 2016 , 52, 1796-9	5.8	47
217	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
216	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
215	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
214	Covalent stabilization and functionalization of MXene via silylation reactions with improved surface properties. <i>FlatChem</i> , 2019 , 17, 100128	5.1	44
213	Signal amplification cytosensor for evaluation of drug-induced cancer cell apoptosis. <i>Analytical Chemistry</i> , 2012 , 84, 1894-9	7.8	44
212	Target-triggered polymerization for biosensing. <i>Accounts of Chemical Research</i> , 2012 , 45, 1441-50	24.3	44
211	Prostate-specific antigen detection by using a reusable amperometric immunosensor based on reversible binding and leasing of HRP-anti-PSA from phenylboronic acid modified electrode. <i>Clinica Chimica Acta</i> , 2008 , 395, 51-6	6.2	44

210	Ionic liquid-derived Fe _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
209	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
208	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
207	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
206	Enhanced enzymatic reactivity for electrochemically driven drug metabolism by confining cytochrome P450 enzyme in TiO ₂ nanotube arrays. <i>Analytical Chemistry</i> , 2014 , 86, 8003-9	7.8	42
205	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
204	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
203	DNA-responsive disassembly of AuNP aggregates: influence of nonbase-paired regions and colorimetric DNA detection by exonuclease III aided amplification. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 2851-2858	7.3	40
202	A disposable amperometric immunosensor for chlorpyrifos-methyl based on immunogen/platinum doped silica sol-gel film modified screen-printed carbon electrode. <i>Food Chemistry</i> , 2012 , 135, 888-92	8.5	40
201	Self-assembled glucose oxidase/graphene/gold ternary nanocomposites for direct electrochemistry and electrocatalysis. <i>Journal of Electroanalytical Chemistry</i> , 2013 , 697, 10-14	4.1	40
200	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
199	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
198	A novel electrochemiluminescence immunosensor via polymerization-assisted amplification. <i>Chemical Communications</i> , 2010 , 46, 7763-5	5.8	39
197	Three-Dimensional Macroporous Polypyrrole-Derived Graphene Electrode Prepared by the Hydrogen Bubble Dynamic Template for Supercapacitors and Metal-Free Catalysts. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 23731-40	9.5	38
196	Chiroplasmonic Assemblies of Gold Nanoparticles for Ultrasensitive Detection of 8-Hydroxy-2'-deoxyguanosine in Human Serum Sample. <i>Analytical Chemistry</i> , 2016 , 88, 6509-14	7.8	38
195	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
194	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
193	Colorimetric immunosensing via protein functionalized gold nanoparticle probe combined with atom transfer radical polymerization. <i>Biosensors and Bioelectronics</i> , 2011 , 26, 3788-93	11.8	36

192	Capturing the transient species at the electrode-electrolyte interface by in situ dynamic molecular imaging. <i>Chemical Communications</i> , 2016 , 52, 10952-5	5.8	36
191	Label-free electrochemical detection of methyltransferase activity and inhibitor screening based on endonuclease HpaI and the deposition of polyaniline. <i>Biosensors and Bioelectronics</i> , 2015 , 73, 188-194	11.8	35
190	In situ molecular imaging of a hydrated biofilm in a microfluidic reactor by ToF-SIMS. <i>Analyst, The</i> , 2014 , 139, 1609-13	5	35
189	Comparison Study of the Photoelectrochemical Activity of Carbon Nitride with Different Photoelectrode Configurations. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 22287-94	9.5	35
188	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
187	Enzymatic reactivity of glucose oxidase confined in nanochannels. <i>Biosensors and Bioelectronics</i> , 2014 , 55, 307-12	11.8	34
186	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
185	Analytical applications of the electrochemiluminescence of tris(2,2'-bipyridyl)ruthenium(II) coupled to capillary/microchip electrophoresis: a review. <i>Analytica Chimica Acta</i> , 2011 , 704, 16-32	6.6	33
184	High reaction activity of nitrogen-doped carbon nanotubes toward the electrooxidation of nitric oxide. <i>Chemical Communications</i> , 2011 , 47, 7137-9	5.8	33
183	Phenylboronic acid immunoaffinity reactor coupled with flow injection chemiluminescence for determination of alpha-fetoprotein. <i>Analytica Chimica Acta</i> , 2008 , 630, 186-93	6.6	33
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	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
180	Direct electrochemistry of cytochrome c immobilized on a novel macroporous gold film coated with a self-assembled 11-mercaptopundecanoic acid monolayer. <i>Talanta</i> , 2010 , 82, 1164-9	6.2	31
179	Construction of a biotinylated cameloid-like antibody for label-free detection of apolipoprotein B-100. <i>Biosensors and Bioelectronics</i> , 2015 , 64, 111-8	11.8	30
178	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
177	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
176	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
175	Electrochemically-driven and dynamic enhancement of drug metabolism via cytochrome P450 microsomes on colloidal gold/graphene nanocomposites. <i>RSC Advances</i> , 2012 , 2, 12844	3.7	29

174	Affinity interactions between phenylboronic acid-carrying self-assembled monolayers and flavin adenine dinucleotide or horseradish peroxidase. <i>Chemistry - A European Journal</i> , 2005 , 11, 4239-46	4.8	29
173	Dissolution and homogeneous photocatalysis of polymeric carbon nitride. <i>Chemical Science</i> , 2018 , 9, 7912-7915	9.4	29
172	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
171	Synthesis of B-doped hollow carbon spheres as efficient non-metal catalyst for oxygen reduction reaction. <i>RSC Advances</i> , 2015 , 5, 52126-52131	3.7	28
170	Evaluation of DNA methyltransferase activity and inhibition via chiroplasmonic assemblies of gold nanoparticles. <i>Chemical Communications</i> , 2015 , 51, 14350-3	5.8	28
169	Signal amplification strategies for DNA and protein detection based on polymeric nanocomposites and polymerization: A review. <i>Analytica Chimica Acta</i> , 2015 , 877, 19-32	6.6	28
168	Detection of DNA damage by using hairpin molecular beacon probes and graphene oxide. <i>Talanta</i> , 2012 , 99, 625-30	6.2	28
167	Electrochemistry of Cytochrome P450 2B6 on Electrodes Modified with Zirconium Dioxide Nanoparticles and Platin Components. <i>Electroanalysis</i> , 2008 , 20, 803-807	3	28
166	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
165	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
164	Two-dimensional and three-dimensional dynamic imaging of live biofilms in a microchannel by time-of-flight secondary ion mass spectrometry. <i>Biomicrofluidics</i> , 2015 , 9, 031101	3.2	27
163	Synthesis of fluorescent dye-doped silica nanoparticles for target-cell-specific delivery and intracellular microRNA imaging. <i>Analyst, The</i> , 2015 , 140, 567-73	5	26
162	Flow injection chemiluminescence immunoassay of microcystin-LR by using PEI-modified magnetic beads as capturer and HRP-functionalized silica nanoparticles as signal amplifier. <i>Analyst, The</i> , 2013 , 138, 1483-9	5	26
161	Multianalyte immunoassay chip for detection of tumor markers by chemiluminescent and colorimetric methods. <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 401, 3269-74	4.4	26
160	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
159	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
158	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
157	A fluorescence method for detection of DNA and DNA methylation based on graphene oxide and restriction endonuclease HpaII. <i>Talanta</i> , 2015 , 131, 342-7	6.2	25

156	Manganese oxide nanowires wrapped with nitrogen doped carbon layers for high performance supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2015 , 455, 188-93	9.3	25
155	Molecular engineering of CxNy: Topologies, electronic structures and multidisciplinary applications. <i>Chinese Chemical Letters</i> , 2020 , 31, 3047-3054	8.1	25
154	Nanostructured 2D Diporphyrin Honeycomb Film: Photoelectrochemistry, Photodegradation, and Antibacterial Activity. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 11783-91	9.5	24
153	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
152	Electrochemically driven drug metabolism via cytochrome P450 2C9 isozyme microsomes with cytochrome P450 reductase and indium tin oxide nanoparticle composites. <i>Chemical Communications</i> , 2012 , 48, 7802-4	5.8	24
151	Polymerization-assisted signal amplification for electrochemical detection of biomarkers. <i>Analyst, The</i> , 2011 , 136, 2558-63	5	24
150	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
149	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
148	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
147	Colorimetric detection of DNA damage by using hemin-graphene nanocomposites. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013 , 106, 163-9	4.4	23
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9	Carbon NitrideBased Biosensors 2021 , 175-225		2
8	Dual-mode detection of PARP-1 by fluorescence and chemiluminescence. <i>Sensors and Actuators B: Chemical</i> , 2021 , 330, 129288	8.5	2
7	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
6	In situ detection of intracellular tissue transglutaminase based on aggregation-induced emission. <i>Chemical Communications</i> , 2020 , 56, 9008-9011	5.8	1
5	Label-free Electrochemiluminescence Imaging of Single-Cell Adhesions Using Bipolar Nanoelectrode Array. <i>Chemistry - A European Journal</i> , 2021 , 28, e202103964	4.8	1
4	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
3	Electrochemistry of Cytochrome c Immobilized on Colloidal Gold Modified Carbon Paste Electrodes and Its Electrocatalytic Activity		1
2	Temporal sensing platform based on anodic dissolution of Ag and cathodic biocatalysis of oxygen reduction for Staphylococcus aureus detection.. <i>Food Chemistry</i> , 2022 , 383, 132404	8.5	0
1	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