

Shenguang Ge

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/2651980/shenguang-ge-publications-by-year.pdf>

Version: 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

210
papers

9,007
citations

55
h-index

83
g-index

223
ext. papers

10,237
ext. citations

8.2
avg, IF

6.44
L-index

#	Paper	IF	Citations
210	A Target-Driven Self-Feedback Paper-Based Photoelectrochemical Sensing Platform for Ultrasensitive Detection of Ochratoxin A with an InS/WO Heterojunction Structure.. <i>Analytical Chemistry</i> , 2022 ,	7.8	2
209	SERS paper slip based on 3D dendritic gold nanomaterials coupling with urchin-like nanoparticles for rapid detection of thiram. <i>Sensors and Actuators B: Chemical</i> , 2022 , 355, 131264	8.5	2
208	FeOOH/Cu ₂ O/CuS photocathode-enabled simultaneous promotion on charge carrier separation and electron acceptor reduction for lab-on-paper homogeneous cathodic photoelectrochemical bioassay. <i>Chemical Engineering Journal</i> , 2022 , 430, 132846	14.7	0
207	Laser ablative TiO and tremella-like CuInS nanocomposites for robust and ultrasensitive photoelectrochemical sensing of let-7a.. <i>Mikrochimica Acta</i> , 2022 , 189, 145	5.8	
206	Photoelectrochemical platform with tailorable anode-cathode activities based on semiconductors coupling DNA walker for detection of miRNA. <i>Sensors and Actuators B: Chemical</i> , 2022 , 365, 131969	8.5	0
205	Reprogramming thermodynamic-limiting oxidation cycle in NiFe-based oxygen evolution electrocatalyst through Mo doping induced surface reconstruction.. <i>Journal of Colloid and Interface Science</i> , 2022 , 622, 443-451	9.3	
204	Integrating Ti ₃ C ₂ /MgIn ₂ S ₄ heterojunction with a controlled release strategy for split-type photoelectrochemical sensing of miRNA-21. <i>Analytica Chimica Acta</i> , 2022 , 1215, 339990	6.6	0
203	Paper-Based Bipolar Electrode Electrochemiluminescence Platform for Detection of Multiple miRNAs. <i>Analytical Chemistry</i> , 2021 , 93, 1702-1708	7.8	30
202	Self-Circulation Oxygen-Hydrogen Peroxide-Oxygen System for Ultrasensitive Cathode Photoelectrochemical Bioassay Using a Stacked Sealed Paper Device. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 19793-19802	9.5	10
201	Ternary Electrochemiluminescence Biosensor Based on DNA Walkers and AuPd Nanomaterials as a Coreaction Accelerator for the Detection of miRNA-141. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 25783-25791	9.5	13
200	Exciton-plasmon interactions gated self-checking functional photoelectrochemical system for adenosine monitoring. <i>Sensors and Actuators B: Chemical</i> , 2021 , 336, 129746	8.5	3
199	Two-dimensional black phosphorus nanoflakes: A coreactant-free electrochemiluminescence luminophors for selective Pb detection based on resonance energy transfer. <i>Journal of Hazardous Materials</i> , 2021 , 403, 123601	12.8	12
198	Ultrasensitive sandwich-like electrochemical biosensor based on core-shell Pt@CeO as signal tags and double molecular recognition for cerebral dopamine detection. <i>Talanta</i> , 2021 , 223, 121719	6.2	10
197	Co ₃ O ₄ -Au polyhedron mimic peroxidase- and cascade enzyme-assisted cycling process-based photoelectrochemical biosensor for monitoring of miRNA-141. <i>Chemical Engineering Journal</i> , 2021 , 406, 126892	14.7	24
196	Direct-readout photoelectrochemical lab-on-paper biosensing platform based on coupled electricity generating system and paper supercapacitors. <i>Talanta</i> , 2021 , 222, 121517	6.2	4
195	In situ grown COFs on 3D strutted graphene aerogel for electrochemical detection of NO released from living cells. <i>Chemical Engineering Journal</i> , 2021 , 420, 127559	14.7	18
194	Facile synthesis of novel dopamine-modified glass fibers for improving alkali resistance of fibers and flexural strength of fiber-reinforced cement.. <i>RSC Advances</i> , 2021 , 11, 18818-18826	3.7	2

193	Dual-Mode Aptasensor Assembled by a WO/FeO Heterojunction for Paper-Based Colorimetric Prediction/Photoelectrochemical Multicomponent Analysis. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 3645-3652	9.5	14
192	Ultrasensitive Microfluidic Paper-Based Electrochemical/Visual Analytical Device via Signal Amplification of Pd@Hollow Zn/Co Core-Shell ZIF67/ZIF8 Nanoparticles for Prostate-Specific Antigen Detection. <i>Analytical Chemistry</i> , 2021 , 93, 5459-5467	7.8	13
191	Cathode-Anode Spatial Division Photoelectrochemical Platform Based on a One-Step DNA Walker for Monitoring of miRNA-21. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 35389-35396	9.5	7
190	BiS@MoS Nanoflowers on Cellulose Fibers Combined with Octahedral CeO for Dual-Mode Microfluidic Paper-Based MiRNA-141 Sensors. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 32780-32789	9.5	7
189	Engineering paper-based visible light-responsive Sn-self doped domed SnO nanotubes for ultrasensitive photoelectrochemical sensor. <i>Biosensors and Bioelectronics</i> , 2021 , 185, 113250	11.8	9
188	Near-Infrared Light-Initiated Photoelectrochemical Biosensor Based on Upconversion Nanorods for Immobilization-Free miRNA Detection with Double Signal Amplification. <i>Analytical Chemistry</i> , 2021 , 93, 11251-11258	7.8	12
187	3D DNA Walker-Assisted CRISPR/Cas12a Trans-Cleavage for Ultrasensitive Electrochemiluminescence Detection of miRNA-141. <i>Analytical Chemistry</i> , 2021 , 93, 13373-13381	7.8	11
186	Ultrathin MoSe ₂ nanosheet anchored CdS-ZnO functional paper chip as a highly efficient tandem Z-scheme heterojunction photoanode for scalable photoelectrochemical water splitting. <i>Applied Catalysis B: Environmental</i> , 2021 , 292, 120184	21.8	12
185	Electrochemiluminescence biosensor based on molybdenum disulfide-graphene quantum dots nanocomposites and DNA walker signal amplification for DNA detection. <i>Mikrochimica Acta</i> , 2021 , 188, 353	5.8	1
184	Target dual-recycling-induced bipedal DNA walker and Bi ₂ WO ₆ /Bi ₂ S ₃ cascade amplification strategy in photoelectrochemical biosensor for TP53 detection. <i>Sensors and Actuators B: Chemical</i> , 2021 , 345, 130386	8.5	5
183	Multiple cooperative amplification paper SERS aptasensor based on AuNPs/3D succulent-like silver for okadaic acid quantization. <i>Sensors and Actuators B: Chemical</i> , 2021 , 344, 130174	8.5	6
182	AgInSe-Sensitized ZnO Nanoflower Wide-Spectrum Response Photoelectrochemical/Visual Sensing Platform via Au@Nanorod-Anchored CeO Octahedron Regulated Signal. <i>Analytical Chemistry</i> , 2020 , 92, 7604-7611	7.8	32
181	Paper-Based Constant Potential Electrochemiluminescence Sensing Platform with Black Phosphorus as a Luminophore Enabled by a Perovskite Solar Cell. <i>Analytical Chemistry</i> , 2020 , 92, 6822-6826	7.8	20
180	Reversible electron storage in tandem photoelectrochemical cell for light driven unassisted overall water splitting. <i>Applied Catalysis B: Environmental</i> , 2020 , 275, 119094	21.8	21
179	Paper-based sandwich type SERS sensor based on silver nanoparticles and biomimetic recognizer. <i>Sensors and Actuators B: Chemical</i> , 2020 , 313, 127989	8.5	24
178	Cathode Photoelectrochemical Paper Device for microRNA Detection Based on Cascaded Photoactive Structures and Hemin/Pt Nanoparticle-Decorated DNA Dendrimers. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 17177-17184	9.5	25
177	Paper-Based SERS Sensing Platform Based on 3D Silver Dendrites and Molecularly Imprinted Identifier Sandwich Hybrid for Neonicotinoid Quantification. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 8845-8854	9.5	53
176	A self-powered origami paper analytical device with a pop-up structure for dual-mode electrochemical sensing of ATP assisted by glucose oxidase-triggered reaction. <i>Biosensors and Bioelectronics</i> , 2020 , 148, 111839	11.8	19

175	Peptide cleavage-mediated photoelectrochemical signal on-off via CuS electronic extinguisher for PSA detection. <i>Biosensors and Bioelectronics</i> , 2020 , 150, 111958	11.8	18
174	Paper-based closed Au-Bipolar electrode electrochemiluminescence sensing platform for the detection of miRNA-155. <i>Biosensors and Bioelectronics</i> , 2020 , 150, 111917	11.8	35
173	Origami-based "Book" shaped three-dimensional electrochemical paper microdevice for sample-to-answer detection of pathogens.. <i>RSC Advances</i> , 2020 , 10, 25808-25816	3.7	6
172	Ultrasensitive lab-on-paper device via Cu/Co double-doped CeO ₂ nanospheres as signal amplifiers for electrochemical/visual sensing of miRNA-155. <i>Sensors and Actuators B: Chemical</i> , 2020 , 321, 128499	8.5	13
171	Photoelectrochemical detection of let-7a based on toehold-mediated strand displacement reaction and Bi ₂ S ₃ nanoflower for signal amplification. <i>Sensors and Actuators B: Chemical</i> , 2020 , 323, 128655	8.5	9
170	Ultrasensitive photoelectrochemical sensor enabled by a target-induced signal quencher release strategy. <i>New Journal of Chemistry</i> , 2020 , 44, 13882-13888	3.6	1
169	Ultrasensitive and specific microRNA detection via dynamic light scattering of DNA network based on rolling circle amplification. <i>Sensors and Actuators B: Chemical</i> , 2020 , 324, 128693	8.5	9
168	Paper-based electrochemiluminescence determination of streptavidin using reticular DNA-functionalized PtCu nanoframes and analyte-triggered DNA walker. <i>Mikrochimica Acta</i> , 2020 , 187, 530	5.8	4
167	Ultrasensitive DNA Detection Based on Inorganic-Organic Nanocomposite Cosensitization and G-Quadruplex/Hemin Catalysis for Signal Amplification. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 42604-42611	9.5	2
166	Dual-photocathode array propelled lab-on-paper ratiometric photoelectrochemical sensing platform for ultrasensitive microRNA bioassay. <i>Sensors and Actuators B: Chemical</i> , 2020 , 316, 128093	8.5	7
165	Paper based modification-free photoelectrochemical sensing platform with single-crystalline aloe like TiO as electron transporting material for cTnI detection. <i>Biosensors and Bioelectronics</i> , 2019 , 131, 17-23	11.8	21
164	Photoelectrochemical biosensor of HIV-1 based on cascaded photoactive materials and triple-helix molecular switch. <i>Biosensors and Bioelectronics</i> , 2019 , 139, 111325	11.8	28
163	Visual distance readout to display the level of energy generation in paper-based biofuel cells: application to enzymatic sensing of glucose. <i>Mikrochimica Acta</i> , 2019 , 186, 283	5.8	3
162	Ultrasensitive Microfluidic Paper-Based Electrochemical Biosensor Based on Molecularly Imprinted Film and Boronate Affinity Sandwich Assay for Glycoprotein Detection. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 16198-16206	9.5	58
161	Low-Power and High-Performance Trimethylamine Gas Sensor Based on n-n Heterojunction Microbelts of Perylene Diimide/CdS. <i>Analytical Chemistry</i> , 2019 , 91, 5591-5598	7.8	24
160	Electrochemiluminescence cytosensing platform based on Ru(bpy) ₃ @silica-Au nanocomposite as luminophore and AuPd nanoparticles as coreaction accelerator for in situ evaluation of intracellular HO. <i>Talanta</i> , 2019 , 199, 485-490	6.2	14
159	Mimic peroxidase-transfer enhancement of photoelectrochemical aptasensing via CuO nanoflowers functionalized lab-on-paper device with a controllable fluid separator. <i>Biosensors and Bioelectronics</i> , 2019 , 133, 32-38	11.8	16
158	Triggerable HO-Cleavable Switch of Paper-Based Biochips Endows Precision of Chemometer/Ratiometric Electrochemical Quantification of Analyte in High-Efficiency Point-of-Care Testing. <i>Analytical Chemistry</i> , 2019 , 91, 10273-10281	7.8	22

157	Wide-Spectrum-Responsive Paper-Supported Photoelectrochemical Sensing Platform Based on Black Phosphorus-Sensitized TiO. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 41062-41068	9.5	17
156	Auto-cleaning paper-based electrochemiluminescence biosensor coupled with binary catalysis of cubic CuO-Au and polyethyleneimine for quantification of Ni and Hg. <i>Biosensors and Bioelectronics</i> , 2019 , 126, 339-345	11.8	24
155	Paper-Supported Self-Powered System Based on a Glucose/O Biofuel Cell for Visual MicroRNA-21 Sensing. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 5114-5122	9.5	20
154	A Paper-Supported Photoelectrochemical Sensing Platform Based on Surface Plasmon Resonance Enhancement for Real-Time H ₂ S Determination. <i>Journal of Analysis and Testing</i> , 2019 , 3, 89-98	3.2	4
153	Electrochemiluminescence based detection of microRNA by applying an amplification strategy and Hg(II)-triggered disassembly of a metal organic frameworks functionalized with ruthenium(II)tris(bipyridine). <i>Mikrochimica Acta</i> , 2018 , 185, 133	5.8	20
152	Ultrasensitive microfluidic paper-based electrochemical/visual biosensor based on spherical-like cerium dioxide catalyst for miR-21 detection. <i>Biosensors and Bioelectronics</i> , 2018 , 105, 218-225	11.8	86
151	Ultrasensitive Enzyme-free Biosensor by Coupling Cyclodextrin Functionalized Au Nanoparticles and High-Performance Au-Paper Electrode. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 3333-3340	9.5	46
150	Colorimetric and Electrochemiluminescence Dual-Mode Sensing of Lead Ion Based on Integrated Lab-on-Paper Device. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 3431-3440	9.5	63
149	Electrochemical biosensor for p53 gene based on HRP-mimicking DNAzyme-catalyzed deposition of polyaniline coupled with hybridization chain reaction. <i>Sensors and Actuators B: Chemical</i> , 2018 , 268, 210-216	8.5	23
148	Flexible Electronics Based on Micro/Nanostructured Paper. <i>Advanced Materials</i> , 2018 , 30, e1801588	24	185
147	Flexible and Biocompatibility Power Source for Electronics: A Cellulose Paper Based Hole-Transport-Materials-Free Perovskite Solar Cell. <i>Solar Rrl</i> , 2018 , 2, 1800175	7.1	28
146	Time-resolution addressable photoelectrochemical strategy based on hollow-channel paper analytical devices. <i>Biosensors and Bioelectronics</i> , 2018 , 120, 64-70	11.8	10
145	"On-Off-On" Photoelectrochemical/Visual Lab-on-Paper Sensing via Signal Amplification of CdS Quantum Dots@Leaf-Shape ZnO and Quenching of Au-Modified Prism-Anchored Octahedral CeO Nanoparticles. <i>Analytical Chemistry</i> , 2018 , 90, 11297-11304	7.8	52
144	Double signal amplification based on palladium nanoclusters and nucleic acid cycles on a BAD for dual-model detection of microRNAs. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 5795-5801	7.3	7
143	Hierarchical hematite/TiO nanorod arrays coupled with responsive mesoporous silica nanomaterial for highly sensitive photoelectrochemical sensing. <i>Biosensors and Bioelectronics</i> , 2018 , 117, 515-521	11.8	21
142	Ultrasensitive electrochemical paper-based biosensor for microRNA via strand displacement reaction and metal-organic frameworks. <i>Sensors and Actuators B: Chemical</i> , 2018 , 257, 561-569	8.5	92
141	Ultrasensitive electrochemiluminescence assay of tumor cells and evaluation of HO on a paper-based closed-bipolar electrode by in-situ hybridization chain reaction amplification. <i>Biosensors and Bioelectronics</i> , 2018 , 102, 411-417	11.8	79
140	Paper-Based Electronics: Flexible Electronics Based on Micro/Nanostructured Paper (Adv. Mater. 51/2018). <i>Advanced Materials</i> , 2018 , 30, 1870394	24	35

139	Stackable Lab-on-Paper Device with All-in-One Au Electrode for High-Efficiency Photoelectrochemical Cyto-Sensing. <i>Analytical Chemistry</i> , 2018 , 90, 7212-7220	7.8	35
138	Polyhedral-AuPd nanoparticles-based dual-mode cytosensor with turn on enable signal for highly sensitive cell evaluation on lab-on-paper device. <i>Biosensors and Bioelectronics</i> , 2018 , 117, 651-658	11.8	56
137	Nanomaterials-modified cellulose paper as a platform for biosensing applications. <i>Nanoscale</i> , 2017 , 9, 4366-4382	7.7	85
136	Metal-Enhanced Ratiometric Fluorescence/Naked Eye Bimodal Biosensor for Lead Ions Analysis with Bifunctional Nanocomposite Probes. <i>Analytical Chemistry</i> , 2017 , 89, 3597-3605	7.8	47
135	Ultrasensitive Photoelectrochemical Biosensing of Cell Surface N-Glycan Expression Based on the Enhancement of Nanogold-Assembled Mesoporous Silica Amplified by Graphene Quantum Dots and Hybridization Chain Reaction. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 6670-6678	9.5	72
134	Electrochemiluminescence DNA biosensor based on the use of gold nanoparticle modified graphite-like carbon nitride. <i>Mikrochimica Acta</i> , 2017 , 184, 2587-2596	5.8	15
133	Metal-enhanced fluorescence/visual bimodal platform for multiplexed ultrasensitive detection of microRNA with reusable paper analytical devices. <i>Biosensors and Bioelectronics</i> , 2017 , 95, 181-188	11.8	32
132	A molecularly imprinted polypyrrole for ultrasensitive voltammetric determination of glyphosate. <i>Mikrochimica Acta</i> , 2017 , 184, 1959-1967	5.8	29
131	Photoelectrochemical sensor based on molecularly imprinted film modified hierarchical branched titanium dioxide nanorods for chlorpyrifos detection. <i>Sensors and Actuators B: Chemical</i> , 2017 , 251, 1-8	8.5	47
130	A novel microfluidic paper-based colorimetric sensor based on molecularly imprinted polymer membranes for highly selective and sensitive detection of bisphenol A. <i>Sensors and Actuators B: Chemical</i> , 2017 , 243, 130-136	8.5	68
129	Turning Nonspecific Interference into Signal Amplification: Covalent Biosensing Nanoassembly Enabled by Metal-Catalyzed Cross-Coupling. <i>Analytical Chemistry</i> , 2017 , 89, 6834-6839	7.8	6
128	Fabrication of Lab-on-Paper Using Porous Au-Paper Electrode: Application to Tumor Marker Electrochemical Immunoassays. <i>Methods in Molecular Biology</i> , 2017 , 1572, 125-134	1.4	1
127	Internal Light Source-Driven Photoelectrochemical 3D-rGO/Cellulose Device Based on Cascade DNA Amplification Strategy Integrating Target Analog Chain and DNA Mimic Enzyme. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 37839-37847	9.5	21
126	Cerium Dioxide-Mediated Signal "On-Off" by Resonance Energy Transfer on a Lab-On-Paper Device for Ultrasensitive Detection of Lead Ions. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 32591-32598	9.5	18
125	Steric paper based ratio-type electrochemical biosensor with hollow-channel for sensitive detection of Zn ²⁺ . <i>Science Bulletin</i> , 2017 , 62, 1114-1121	10.6	20
124	Self-powered sensing platform equipped with Prussian blue electrochromic display driven by photoelectrochemical cell. <i>Biosensors and Bioelectronics</i> , 2017 , 89, 728-734	11.8	16
123	Real-time and in situ enzyme inhibition assay for the flux of hydrogen sulfide based on 3D interwoven AuPd-reduced graphene oxide network. <i>Biosensors and Bioelectronics</i> , 2017 , 87, 53-58	11.8	23
122	Visible photoelectrochemical sensing platform by in situ generated CdS quantum dots decorated branched-TiO ₂ nanorods equipped with Prussian blue electrochromic display. <i>Biosensors and Bioelectronics</i> , 2017 , 89, 859-865	11.8	64

121	In-situ synthesized polypyrrole-cellulose conductive networks for potential-tunable foldable power paper. <i>Nano Energy</i> , 2017 , 31, 174-182	17.1	93
120	Chemical and biochemical analysis on lab-on-a-chip devices fabricated using three-dimensional printing. <i>TrAC - Trends in Analytical Chemistry</i> , 2016 , 85, 166-180	14.6	61
119	A paper-based electrochemiluminescence electrode as an aptamer-based cytosensor using PtNi@carbon dots as nanolabels for detection of cancer cells and for in-situ screening of anticancer drugs. <i>Mikrochimica Acta</i> , 2016 , 183, 1873-1880	5.8	43
118	A Graphene-enhanced imaging of microRNA with enzyme-free signal amplification of catalyzed hairpin assembly in living cells. <i>Biosensors and Bioelectronics</i> , 2016 , 85, 909-914	11.8	49
117	Fluorescence "turn-on" determination of H ₂ O ₂ using multilayer porous SiO ₂ /NGQDs and PdAu mimetics enzymatic/oxidative cleavage of single-stranded DNA. <i>Biosensors and Bioelectronics</i> , 2016 , 82, 204-11	11.8	35
116	Photoelectrochemical immunoassay based on chemiluminescence as internal excited light source. <i>Sensors and Actuators B: Chemical</i> , 2016 , 234, 324-331	8.5	19
115	An aldehyde group-based P-acid probe for selective fluorescence turn-on sensing of cysteine and homocysteine. <i>Biosensors and Bioelectronics</i> , 2016 , 80, 17-23	11.8	31
114	Electrochemiluminescent molecular logic gates based on MCNTs for the multiplexed analysis of mercury(II) and silver(I) ions. <i>RSC Advances</i> , 2016 , 6, 26147-26154	3.7	8
113	An electrochemiluminescence lab-on-paper device for sensitive detection of two antigens at the MCF-7 cell surface based on porous bimetallic AuPd nanoparticles. <i>RSC Advances</i> , 2016 , 6, 16500-16506	3.7	18
112	Aptamer-based fluorescent and visual biosensor for multiplexed monitoring of cancer cells in microfluidic paper-based analytical devices. <i>Sensors and Actuators B: Chemical</i> , 2016 , 229, 347-354	8.5	105
111	Paper-based biosensor relying on flower-like reduced graphene guided enzymatically deposition of polyaniline for Pb(2+) detection. <i>Biosensors and Bioelectronics</i> , 2016 , 80, 215-221	11.8	41
110	Microfluidic paper-based analytical device for photoelectrochemical immunoassay with multiplex signal amplification using multibranch hybridization chain reaction and PdAu enzyme mimetics. <i>Biosensors and Bioelectronics</i> , 2016 , 79, 416-22	11.8	57
109	Electrochemiluminescence of graphitic carbon nitride and its application in ultrasensitive detection of lead(II) ions. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 7181-91	4.4	24
108	An enhanced photoelectrochemical platform: graphite-like carbon nitride nanosheet-functionalized ZnO nanotubes. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 4980-4987	7.3	26
107	Platelike WO ₃ sensitized with CdS quantum dots heterostructures for photoelectrochemical dynamic sensing of H ₂ O ₂ based on enzymatic etching. <i>Biosensors and Bioelectronics</i> , 2016 , 85, 205-211	11.8	35
106	Ultrasensitive photoelectrochemical immunoassay based on CdS@Cu ₂ O co-sensitized porous ZnO nanosheets and promoted by multiwalled carbon nanotubes. <i>Sensors and Actuators B: Chemical</i> , 2016 , 234, 658-666	8.5	24
105	Paper-Based Device for Colorimetric and Photoelectrochemical Quantification of the Flux of H ₂ O ₂ Releasing from MCF-7 Cancer Cells. <i>Analytical Chemistry</i> , 2016 , 88, 5369-77	7.8	92
104	Paper analytical devices for dynamic evaluation of cell surface N-glycan expression via a bimodal biosensor based on multibranch hybridization chain reaction amplification. <i>Biosensors and Bioelectronics</i> , 2016 , 86, 756-763	11.8	19

103	Microfluidic paper-based multiplex colorimetric immunodevice based on the catalytic effect of Pd/Fe ₃ O ₄ @C peroxidase mimetics on multiple chromogenic reactions. <i>Analytica Chimica Acta</i> , 2015 , 862, 70-6	6.6	34
102	An electrochemical immunoassay based on trepan-like gold electrodes and nanogold functionalized flower-like hierarchical carbon materials with improved sensitivity. <i>New Journal of Chemistry</i> , 2015 , 39, 3452-3460	3.6	3
101	A 3D electrochemical immunodevice based on a porous Pt-paper electrode and metal ion functionalized flower-like Au nanoparticles. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 2764-2769	7.3	21
100	Branched zinc oxide nanorods arrays modified paper electrode for electrochemical immunosensing by combining biocatalytic precipitation reaction and competitive immunoassay mode. <i>Biosensors and Bioelectronics</i> , 2015 , 74, 823-9	11.8	13
99	Electrochemical K-562 cells sensor based on origami paper device for point-of-care testing. <i>Talanta</i> , 2015 , 145, 12-9	6.2	45
98	Real-time visual determination of the flux of hydrogen sulphide using a hollow-channel paper electrode. <i>Chemical Communications</i> , 2015 , 51, 14030-3	5.8	28
97	Ultrasensitive electrochemical cancer cells sensor based on trimetallic dendritic Au@PtPd nanoparticles for signal amplification on lab-on-paper device. <i>Sensors and Actuators B: Chemical</i> , 2015 , 220, 665-672	8.5	52
96	Self-powered competitive immunosensor driven by biofuel cell based on hollow-channel paper analytical devices. <i>Biosensors and Bioelectronics</i> , 2015 , 71, 18-24	11.8	32
95	All-graphene composite materials for signal amplification toward ultrasensitive electrochemical immunosensing of tumor marker. <i>Biosensors and Bioelectronics</i> , 2015 , 71, 108-114	11.8	55
94	Electrochemiluminescence device for in-situ and accurate determination of CA153 at the MCF-7 cell surface based on graphene quantum dots loaded surface villous Au nanocage. <i>Biosensors and Bioelectronics</i> , 2015 , 71, 286-293	11.8	31
93	Multiplexed enzyme-free electrochemical immunosensor based on ZnO nanorods modified reduced graphene oxide-paper electrode and silver deposition-induced signal amplification strategy. <i>Biosensors and Bioelectronics</i> , 2015 , 71, 30-36	11.8	52
92	Colorimetric detection of the flux of hydrogen peroxide released from living cells based on the high peroxidase-like catalytic performance of porous PtPd nanorods. <i>Biosensors and Bioelectronics</i> , 2015 , 71, 456-462	11.8	78
91	Application of Au cage/Ru(bpy) ₃ ²⁺ nanostructures for the electrochemiluminescence detection of K562 cancer cells based on aptamer. <i>Sensors and Actuators B: Chemical</i> , 2015 , 214, 144-151	8.5	26
90	Paper-Based Analytical Devices Relying on Visible-Light-Enhanced Glucose/Air Biofuel Cells. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 24330-7	9.5	22
89	Ultrasensitive detection of lead ion sensor based on gold nanodendrites modified electrode and electrochemiluminescent quenching of quantum dots by electrocatalytic silver/zinc oxide coupled structures. <i>Biosensors and Bioelectronics</i> , 2015 , 65, 176-82	11.8	28
88	One novel molecular imprinting nanowires chemiluminescence sensor: preparation and pendimethalin recognition. <i>Monatshefte Für Chemie</i> , 2015 , 146, 493-499	1.4	3
87	Cyto-sensing in electrochemical lab-on-paper cyto-device for in-situ evaluation of multi-glycan expressions on cancer cells. <i>Biosensors and Bioelectronics</i> , 2015 , 63, 232-239	11.8	46
86	Paper-based electrochemiluminescence origami cyto-device for multiple cancer cells detection using porous AuPd alloy as catalytically promoted nanolabels. <i>Biosensors and Bioelectronics</i> , 2015 , 63, 450-457	11.8	71

85	A disposable paper-based electrochemiluminescence device for ultrasensitive monitoring of CEA based on Ru(bpy) ₃ ²⁺ @Au nanocages. <i>RSC Advances</i> , 2015 , 5, 28324-28331	3.7	29
84	Photoelectrochemical detection of tumor markers based on a CdS quantum dot/ZnO nanorod/Au@Pt-paper electrode 3D origami immunodevice. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 2426-2432	7.3	32
83	Applications of graphene and related nanomaterials in analytical chemistry. <i>New Journal of Chemistry</i> , 2015 , 39, 2380-2395	3.6	59
82	Aptamer based test stripe for ultrasensitive detection of mercury(II) using a phenylene-ethynylene reagent on nanoporous silver as a chemiluminescence reagent. <i>Mikrochimica Acta</i> , 2014 , 181, 663-670	5.8	27
81	An origami electrochemiluminescence immunosensor based on gold/graphene for specific, sensitive point-of-care testing of carcinoembryonic antigen. <i>Sensors and Actuators B: Chemical</i> , 2014 , 193, 247-254	8.5	42
80	Disposable electrochemical immunosensor based on peroxidase-like magnetic silica/graphene oxide composites for detection of cancer antigen 153. <i>Sensors and Actuators B: Chemical</i> , 2014 , 192, 317-326	8.5	47
79	Colorimetric assay of K-562 cells based on folic acid-conjugated porous bimetallic Pd@Au nanoparticles for point-of-care testing. <i>Chemical Communications</i> , 2014 , 50, 475-7	5.8	92
78	Photoelectrochemical sensor for pentachlorophenol on microfluidic paper-based analytical device based on the molecular imprinting technique. <i>Biosensors and Bioelectronics</i> , 2014 , 56, 97-103	11.8	91
77	Multiplex electrochemical origami immunodevice based on cuboid silver-paper electrode and metal ions tagged nanoporous silver-chitosan. <i>Biosensors and Bioelectronics</i> , 2014 , 56, 167-73	11.8	59
76	Electrophoretic separation in a microfluidic paper-based analytical device with an on-column wireless electrogenerated chemiluminescence detector. <i>Chemical Communications</i> , 2014 , 50, 5699-702	5.8	57
75	Electrochemical device based on a Pt nanosphere-paper working electrode for in situ and real-time determination of the flux of H ₂ O ₂ releasing from SK-BR-3 cancer cells. <i>Chemical Communications</i> , 2014 , 50, 10315-8	5.8	34
74	A near-infrared light photoelectrochemical immunosensor based on a Au-paper electrode and naphthalocyanine sensitized ZnO nanorods. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 4811-4817	7.3	18
73	A three-dimensional origami-based immuno-biofuel cell for self-powered, low-cost, and sensitive point-of-care testing. <i>Chemical Communications</i> , 2014 , 50, 1947-9	5.8	72
72	A 3D origami electrochemical immunodevice based on a Au@Pd alloy nanoparticle-paper electrode for the detection of carcinoembryonic antigen. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 6669-6674	7.3	31
71	Self-powered and sensitive DNA detection in a three-dimensional origami-based biofuel cell based on a porous Pt-paper cathode. <i>Chemistry - A European Journal</i> , 2014 , 20, 12453-62	4.8	34
70	Paper-based electrochemical immunosensor for carcinoembryonic antigen based on three dimensional flower-like gold electrode and gold-silver bimetallic nanoparticles. <i>Electrochimica Acta</i> , 2014 , 147, 650-656	6.7	38
69	A chemiluminescence excited photoelectrochemistry aptamer-device equipped with a tin dioxide quantum dot/reduced graphene oxide nanocomposite modified porous Au-paper electrode. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 3462-3468	7.3	21
68	Flexible paper-based ZnO nanorod light-emitting diodes induced multiplexed photoelectrochemical immunoassay. <i>Chemical Communications</i> , 2014 , 50, 1417-9	5.8	148

67	Graphene functionalized porous Au-paper based electrochemiluminescence device for detection of DNA using luminescent silver nanoparticles coated calcium carbonate/carboxymethyl chitosan hybrid microspheres as labels. <i>Biosensors and Bioelectronics</i> , 2014 , 59, 307-13	11.8	51
66	Paper-based electrochemical cyto-device for sensitive detection of cancer cells and in situ anticancer drug screening. <i>Analytica Chimica Acta</i> , 2014 , 847, 1-9	6.6	74
65	Lab-on-paper-based devices using chemiluminescence and electrogenerated chemiluminescence detection. <i>Analytical and Bioanalytical Chemistry</i> , 2014 , 406, 5613-30	4.4	59
64	Analysis of the interaction of a new series of rhodanine derivatives with bovine serum albumin by fluorescence quenching. <i>Monatshefte Für Chemie</i> , 2014 , 145, 167-173	1.4	6
63	Growth of gold-manganese oxide nanostructures on a 3D origami device for glucose-oxidase label based electrochemical immunosensor. <i>Biosensors and Bioelectronics</i> , 2014 , 61, 76-82	11.8	90
62	Hand-drawn&written pen-on-paper electrochemiluminescence immunodevice powered by rechargeable battery for low-cost point-of-care testing. <i>Biosensors and Bioelectronics</i> , 2014 , 61, 21-7	11.8	43
61	Ultrasensitive chemiluminescence detection of DNA on a microfluidic paper-based analytical device. <i>Monatshefte Für Chemie</i> , 2014 , 145, 129-135	1.4	17
60	Magnetic nanoparticle-based electrochemiluminescent immunosensor for detection of carcinoembryonic antigen based on silica nanosphere@gold nanoparticles-Ru as labels. <i>Monatshefte Für Chemie</i> , 2014 , 145, 113-120	1.4	3
59	Highly sensitive hybridization assay using the electrochemiluminescence of an ITO electrode, CdTe quantum dots functionalized with hierarchical nanoporous PtFe nanoparticles, and magnetic graphene nanosheets. <i>Mikrochimica Acta</i> , 2014 , 181, 213-222	5.8	6
58	Development of a 3D origami multiplex electrochemical immunodevice using a nanoporous silver-paper electrode and metal ion functionalized nanoporous gold-chitosan. <i>Chemical Communications</i> , 2013 , 49, 9540-2	5.8	42
57	Ultrasensitive Electrochemiluminescence Immunoassay for Protein Specific Detection Based on Dendrimer-Encapsulated Gold Nanoparticles Labels. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2013 , 23, 1113-1121	3.2	7
56	A paper-based photoelectrochemical immunoassay for low-cost and multiplexed point-of-care testing. <i>Chemical Communications</i> , 2013 , 49, 3294-6	5.8	75
55	A novel microfluidic origami photoelectrochemical sensor based on CdTe quantum dots modified molecularly imprinted polymer and its highly selective detection of S-fenvalerate. <i>Electrochimica Acta</i> , 2013 , 107, 147-154	6.7	72
54	Molecularly Imprinted Polymer Grafted Porous Au-Paper Electrode for an Microfluidic Electro-Analytical Origami Device. <i>Advanced Functional Materials</i> , 2013 , 23, 3115-3123	15.6	101
53	Photoelectrochemical lab-on-paper device equipped with a porous Au-paper electrode and fluidic delay-switch for sensitive detection of DNA hybridization. <i>Lab on A Chip</i> , 2013 , 13, 3945-55	7.2	69
52	Ultrasensitive electrochemical immunoassay for carcinoembryonic antigen based on three-dimensional macroporous gold nanoparticles/graphene composite platform and multienzyme functionalized nanoporous silver label. <i>Analytica Chimica Acta</i> , 2013 , 775, 85-92	6.6	59
51	Battery-triggered ultrasensitive electrochemiluminescence detection on microfluidic paper-based immunodevice based on dual-signal amplification strategy. <i>Analytica Chimica Acta</i> , 2013 , 767, 66-74	6.6	60
50	Molecularly imprinted polymer grafted paper-based multi-disk micro-disk plate for chemiluminescence detection of pesticide. <i>Biosensors and Bioelectronics</i> , 2013 , 50, 262-8	11.8	76

49	Fluorescence-based immunoassay for human chorionic gonadotropin based on polyfluorene-coated silica nanoparticles and polyaniline-coated Fe ₃ O ₄ nanoparticles. <i>Mikrochimica Acta</i> , 2013 , 180, 1509-1516	5.8	7
48	A 3D origami multiple electrochemiluminescence immunodevice based on a porous silver-paper electrode and multi-labeled nanoporous gold-carbon spheres. <i>Chemical Communications</i> , 2013 , 49, 7687-9	5.8	33
47	A disposable immunosensor device for point-of-care test of tumor marker based on copper-mediated amplification. <i>Biosensors and Bioelectronics</i> , 2013 , 43, 425-31	11.8	47
46	Synthesis and characterization of graphene nanosheets attached to spiky MnO ₂ nanospheres and its application in ultrasensitive immunoassay. <i>Carbon</i> , 2013 , 57, 22-33	10.4	60
45	Photoelectrochemical lab-on-paper device based on an integrated paper supercapacitor and internal light source. <i>Analytical Chemistry</i> , 2013 , 85, 3961-70	7.8	130
44	Visible light photoelectrochemical sensor based on Au nanoparticles and molecularly imprinted poly(o-phenylenediamine)-modified TiO ₂ nanotubes for specific and sensitive detection chlorpyrifos. <i>Analyst, The</i> , 2013 , 138, 939-45	5	72
43	Photoelectrochemical lab-on-paper device based on molecularly imprinted polymer and porous Au-paper electrode. <i>Analyst, The</i> , 2013 , 138, 4802-11	5	27
42	A microfluidic origami electrochemiluminescence aptamer-device based on a porous Au-paper electrode and a phenyleneethynylene derivative. <i>Chemical Communications</i> , 2013 , 49, 1383-5	5.8	74
41	In situ assembly of porous Au-paper electrode and functionalization of magnetic silica nanoparticles with HRP via click chemistry for Microcystin-LR immunoassay. <i>Biosensors and Bioelectronics</i> , 2013 , 49, 111-7	11.8	59
40	Facile and sensitive paper-based chemiluminescence DNA biosensor using carbon dots dotted nanoporous gold signal amplification label. <i>Analytical Methods</i> , 2013 , 5, 1328	3.2	64
39	Electropolymerized Poly(3,4-ethylenedioxythiophene)/Graphene Composite Film and its Application in Quantum Dots Electrochemiluminescence Immunoassay. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2013 , 23, 719-725	3.2	14
38	Three-dimensional paper-based electrochemiluminescence device for simultaneous detection of Pb ²⁺ and Hg ²⁺ based on potential-control technique. <i>Biosensors and Bioelectronics</i> , 2013 , 41, 544-50	11.8	163
37	Multiplexed sandwich immunoassays using flow-injection electrochemiluminescence with designed substrate spatial-resolved technique for detection of tumor markers. <i>Biosensors and Bioelectronics</i> , 2013 , 41, 684-90	11.8	84
36	Three-dimensional paper-based electrochemiluminescence immunodevice for multiplexed measurement of biomarkers and point-of-care testing. <i>Biomaterials</i> , 2012 , 33, 1024-31	15.6	318
35	Electrochemical biosensor based on graphene oxide-Au nanoclusters composites for L-cysteine analysis. <i>Biosensors and Bioelectronics</i> , 2012 , 31, 49-54	11.8	179
34	Paper-based chemiluminescence ELISA: lab-on-paper based on chitosan modified paper device and wax-screen-printing. <i>Biosensors and Bioelectronics</i> , 2012 , 31, 212-8	11.8	358
33	Paper-based three-dimensional electrochemical immunodevice based on multi-walled carbon nanotubes functionalized paper for sensitive point-of-care testing. <i>Biosensors and Bioelectronics</i> , 2012 , 32, 238-43	11.8	148
32	Determination of l-proline based on anodic electrochemiluminescence of CdTe quantum dots. <i>Journal of Luminescence</i> , 2012 , 132, 938-943	3.8	10

31	Rechargeable battery-triggered electrochemiluminescence detection on microfluidic origami immunodevice based on two electrodes. <i>Chemical Communications</i> , 2012 , 48, 9971-3	5.8	31
30	Multi-branch chemiluminescence-molecular imprinting sensor for sequential determination of carbofuran and omethoate in foodstuff. <i>Analytical Methods</i> , 2012 , 4, 3150	3.2	12
29	Synthesis, characterization of a novel phenyleneethynylene derivative and application in a fluorescence DNA sensor. <i>Analytical Methods</i> , 2012 , 4, 4339	3.2	4
28	Battery-triggered microfluidic paper-based multiplex electrochemiluminescence immunodevice based on potential-resolution strategy. <i>Lab on A Chip</i> , 2012 , 12, 4489-98	7.2	103
27	Ultrasensitive electrochemical immunosensor for CA 15-3 using thionine-nanoporous gold-graphene as a platform and horseradish peroxidase-encapsulated liposomes as signal amplification. <i>Analyst, The</i> , 2012 , 137, 4440-7	5	43
26	Electrochemical DNA sensor based on three-dimensional folding paper device for specific and sensitive point-of-care testing. <i>Electrochimica Acta</i> , 2012 , 80, 334-341	6.7	147
25	Ultrasensitive electrochemiluminescence immunoassay for tumor marker detection using functionalized Ru-silica@nanoporous gold composite as labels. <i>Analyst, The</i> , 2012 , 137, 680-5	5	55
24	Fluorescence immunosensor based on p-acid-encapsulated silica nanoparticles for tumor marker detection. <i>Analyst, The</i> , 2012 , 137, 2834-9	5	21
23	Monitoring of bovine serum albumin using ultrasensitive electrochemiluminescence biosensors based on multilayer CdTe quantum dots modified indium tin oxide electrodes. <i>Analytical Methods</i> , 2012 , 4, 460-466	3.2	12
22	Simple and covalent fabrication of a paper device and its application in sensitive chemiluminescence immunoassay. <i>Analyst, The</i> , 2012 , 137, 3821-7	5	72
21	A disposable paper-based electrochemical sensor with an addressable electrode array for cancer screening. <i>Chemical Communications</i> , 2012 , 48, 9397-9	5.8	91
20	Disposable electrochemical immunosensor for simultaneous assay of a panel of breast cancer tumor markers. <i>Analyst, The</i> , 2012 , 137, 4727-33	5	29
19	3D origami-based multifunction-integrated immunodevice: low-cost and multiplexed sandwich chemiluminescence immunoassay on microfluidic paper-based analytical device. <i>Lab on A Chip</i> , 2012 , 12, 3150-8	7.2	232
18	Electrogenerated Chemiluminescence from a Phenyleneethynylene Derivative and its Ultrasensitive Immunosensing Application Using a Nanotubular Mesoporous PtAg Alloy for Signal Amplification. <i>Advanced Functional Materials</i> , 2012 , 22, 3899-3906	15.6	29
17	Paper-based electrochemiluminescent 3D immunodevice for lab-on-paper, specific, and sensitive point-of-care testing. <i>Chemistry - A European Journal</i> , 2012 , 18, 4938-45	4.8	123
16	A novel conjugated polyfluorene: synthesis, characterization and application in label-free ECL immunoassays for biomarker detection. <i>Journal of Materials Chemistry</i> , 2012 , 22, 5568		10
15	Microfluidic paper-based chemiluminescence biosensor for simultaneous determination of glucose and uric acid. <i>Lab on A Chip</i> , 2011 , 11, 1286-91	7.2	261
14	Molecular Self-Assembled Microcapsules Prepared by In Situ Polymerization Technology for Self-Healing Cement Materials. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2011 , 21, 841-845	3.2	7

13	Synthesis of a Novel Rigid Artificial Superoxide Dismutase Based on Modified Hollow Mesoporous Silica Microspheres. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2011 , 21, 809-815	3.2	2
12	An electrochemiluminescence sensor for determination of durabolin based on CdTe QD films by layer-by-layer self-assembly. <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 400, 807-14	4.4	17
11	Facile and scalable synthesis of a novel rigid artificial superoxide dismutase based on modified hollow mesoporous silica microspheres. <i>Biosensors and Bioelectronics</i> , 2011 , 26, 1936-41	11.8	15
10	A novel chemiluminescence paper microfluidic biosensor based on enzymatic reaction for uric acid determination. <i>Biosensors and Bioelectronics</i> , 2011 , 26, 3284-9	11.8	165
9	Flow injection electrochemiluminescence determination of L-lysine using tris(2,2'-bipyridyl) ruthenium(II) (Ru(bpy) ₃ ²⁺) on indium tin oxide (ITO) glass. <i>Analytical Methods</i> , 2011 , 3, 1163	3.2	12
8	Fluorescence resonance energy transfer sensor between quantum dot donors and neutral red acceptors and its detection of BSA in micelles. <i>Dyes and Pigments</i> , 2011 , 91, 304-308	4.6	25
7	Development of a novel deltamethrin sensor based on molecularly imprinted silica nanospheres embedded CdTe quantum dots. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011 , 79, 1704-9	4.4	51
6	Layer-by-layer self-assembly CdTe quantum dots and molecularly imprinted polymers modified chemiluminescence sensor for deltamethrin detection. <i>Sensors and Actuators B: Chemical</i> , 2011 , 156, 222-227	8.5	51
5	Determination of thallium(III) with novel arsenoxylphenylazo rhodanine after pre-concentration and separation. <i>International Journal of Environmental Analytical Chemistry</i> , 2010 , 90, 1139-1147	1.8	2
4	BSA activated CdTe quantum dot nanosensor for antimony ion detection. <i>Analyst, The</i> , 2010 , 135, 111-5	5	42
3	High selectivity chemiluminescence sensor for determination of puerarin in diet foods/weight loss promoters based on novel rhodanine and monodisperse molecularly imprinted microspheres. <i>Analytical Methods</i> , 2010 , 2, 1506	3.2	3
2	On-line molecular imprinted solid-phase extraction flow-injection fluorescence sensor for determination of florfenicol in animal tissues. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010 , 52, 615-9	3.5	33
1	Comparison of a Resonant Mirror Biosensor (IASys) and a Quartz Crystal Microbalance (QCM) for the Study on Interaction between Paeoniae Radix 801 and Endothelin-1. <i>Sensors</i> , 2008 , 8, 8275-8290	3.8	5