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List of Publications by Year in Descending Order

203 papers	12,355 citations	64 h-index	105 g-index
211 ext. papers	14,184 ext. citations	8.2 avg, IF	6.77 L-index

#	Paper	IF	Citations
203	Electrochemical CO2 reduction in membrane-electrode assemblies. *CheM*, **2022**,	16.2	11
202	Laser-Induced N- and B-Codoped Graphene Nanozymes with Intrinsic Peroxidase-Like Activities for Bactericidal Application. *ACS Sustainable Chemistry and Engineering*, **2022**, 10, 2750-2760	8.3	1
201	New Undisputed Evidence and Strategy for Enhanced Lattice-Oxygen Participation of Perovskite Electrocatalyst through Cation Deficiency Manipulation.. *Advanced Science*, **2022**, e2200530	13.6	15
200	Regulating the reaction zone of electrochemical CO2 reduction on gas-diffusion electrodes by distinctive hydrophilic-hydrophobic catalyst layers. *Applied Catalysis B: Environmental*, **2022**, 310, 121362	21.8	1
199	Composite cathodes for protonic ceramic fuel cells: Rationales and materials. *Composites Part B: Engineering*, **2022**, 109881	10	0
198	Stabilizing bienzymatic cascade catalysis via immobilization in ZIF-8/GO composites obtained by GO assisted co-growth. *Colloids and Surfaces B: Biointerfaces*, **2022**, 217, 112585	6	1
197	Electron acceptor design for 2D/2D iodinene/carbon nitride heterojunction boosting charge transfer and CO2 photoreduction. *Chemical Engineering Journal*, **2021**, 433, 133594	14.7	4
196	Understanding the Effects of Anion Interactions with Ag Electrodes on Electrochemical CO Reduction in Choline Halide Electrolytes. *ChemSusChem*, **2021**, 14, 2601-2611	8.3	4
195	Direct-laser-writing of electrochemiluminescent electrode on glassy carbon for iodide sensing in aqueous solution. *Sensors and Actuators B: Chemical*, **2021**, 337, 129766	8.5	3
194	High-Performance Perovskite Composite Electrocatalysts Enabled by Controllable Interface Engineering. *Small*, **2021**, 17, e2101573	11	44
193	Shape-tuned electrodeposition of bismuth-based nanosheets on flow-through hollow fiber gas diffusion electrode for high-efficiency CO2 reduction to formate. *Applied Catalysis B: Environmental* , **2021**, 286, 119945	21.8	23
192	Catalytic partial oxidation of methane to syngas: review of perovskite catalysts and membrane reactors. *Catalysis Reviews - Science and Engineering*, **2021**, 63, 1-67	12.6	22
191	Unveiling the effects of dimensionality of tin oxide-derived catalysts on CO2 reduction by using gas-diffusion electrodes. *Reaction Chemistry and Engineering*, **2021**, 6, 345-352	4.9	8
190	Catalysis based on ferroelectrics: controllable chemical reaction with boosted efficiency. *Nanoscale*, **2021**, 13, 7096-7107	7.7	8
189	Gas diffusion electrodes (GDEs) for electrochemical reduction of carbon dioxide, carbon monoxide, and dinitrogen to value-added products: a review. *Energy and Environmental Science*, **2021**, 14, 1959-2008	35.4	56
188	The controllable synthesis of urchin-shaped hierarchical superstructure MOFs with high catalytic activity and stability. *Chemical Communications*, **2021**, 57, 8758-8761	5.8	2
187	Revealing cracking and breakage behaviours of gibbsite particles. *Ceramics International*, **2021**, 47, 4625-4632	5.1	5

186	Improved enzymatic activity by oriented immobilization on graphene oxide with tunable surface heterogeneity. *Composites Part B: Engineering*, **2021**, 216, 108788	10	13
185	Improved adenylate cyclase activity via affinity immobilization onto co-modified GO with bio-inspired adhesive and PEI. *Colloids and Surfaces B: Biointerfaces*, **2021**, 205, 111888	6	4
184	Toward controlled geometric structure and surface property heterogeneities of TiO2 for lipase immobilization. *Process Biochemistry*, **2021**, 110, 118-128	4.8	0
183	Stand-alone asymmetric hollow fiber gas-diffusion electrodes with distinguished bronze phases for high-efficiency CO2 electrochemical reduction. *Applied Catalysis B: Environmental*, **2021**, 298, 120538	21.8	7
182	Crystal Facet Engineering of Copper-Based Metal Organic Frameworks with Inorganic Modulators. *Crystal Growth and Design*, **2021**, 21, 926-934	3.5	4
181	Electrochemical Reduction of CO2 to Ethane through Stabilization of an Ethoxy Intermediate. *Angewandte Chemie*, **2020**, 132, 19817-19821	3.6	14
180	Interfacial microenvironment for lipase immobilization: Regulating the heterogeneity of graphene oxide. *Chemical Engineering Journal*, **2020**, 394, 125038	14.7	8
179	High-performance metal-organic framework-perovskite hybrid as an important component of the air-electrode for rechargeable Zn-Air battery. *Journal of Power Sources*, **2020**, 468, 228377	8.9	32
178	Efficient organic enrichment from sludge filtrate via a forward osmosis membrane process. *Journal of Environmental Chemical Engineering*, **2020**, 8, 104042	6.8	5
177	Interfacial engineering of a polymer-MOF composite by in situ vitrification. *Chemical Communications*, **2020**, 56, 3609-3612	5.8	20
176	From scheelite BaMoO4 to perovskite BaMoO3: Enhanced electrocatalysis toward the hydrogen evolution in alkaline media. *Composites Part B: Engineering*, **2020**, 198, 108214	10	23
175	Acetylcholinesterase-catalyzed silver deposition for ultrasensitive electrochemical biosensing of organophosphorus pesticides. *Analyst, The*, **2020**, 145, 2339-2344	5	12
174	Catalyst-Electrolyte Interactions in Aqueous Reline Solutions for Highly Selective Electrochemical CO Reduction. *ChemSusChem*, **2020**, 13, 282	8.3	0
173	Cracking behaviour and mechanism at grain boundary of gibbsite during calcination. *Ceramics International*, **2020**, 46, 12067-12072	5.1	1
172	Direct evidence of boosted oxygen evolution over perovskite by enhanced lattice oxygen participation. *Nature Communications*, **2020**, 11, 2002	17.4	166
171	Modulated Sn Oxidation States over a CuO-Derived Substrate for Selective Electrochemical CO Reduction. *ACS Applied Materials & Interfaces*, **2020**, 12, 22760-22770	9.5	24
170	Advances and challenges in electrochemical CO2 reduction processes: an engineering and design perspective looking beyond new catalyst materials. *Journal of Materials Chemistry A*, **2020**, 8, 1511-1544	13	141
169	Laser-induced nano-bismuth decorated CdS-graphene hybrid for plasmon-enhanced photoelectrochemical analysis. *Chemical Communications*, **2020**, 56, 13784-13787	5.8	5

168	In situ growth of nano-gold on anodized aluminum oxide with tandem nanozyme activities towards sensitive electrochemical nanochannel sensing. *Analyst, The*, **2020**, 145, 6617-6624	5	10
167	Laser-Scribed N-Doped Graphene for Integrated Flexible Enzymatic Biofuel Cells. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 12437-12442	8.3	8
166	Catalyst-Electrolyte Interactions in Aqueous Reline Solutions for Highly Selective Electrochemical CO Reduction. *ChemSusChem*, **2020**, 13, 304-311	8.3	21
165	Toward Excellence of Transition Metal-Based Catalysts for CO2 Electrochemical Reduction: An Overview of Strategies and Rationales. *Small Methods*, **2020**, 4, 2000033	12.8	35
164	Tuning the Product Selectivity of the Cu Hollow Fiber Gas Diffusion Electrode for Efficient CO Reduction to Formate by Controlled Surface Sn Electrodeposition. *ACS Applied Materials & Interfaces*, **2020**, 12, 21670-21681	9.5	29
163	Laser-induced graphene hybrid photoelectrode for enhanced photoelectrochemical detection of glucose. *Analyst, The*, **2020**, 145, 4041-4049	5	11
162	Selectivity Control for Electrochemical CO2 Reduction by Charge Redistribution on the Surface of Copper Alloys. *ACS Catalysis*, **2019**, 9, 9411-9417	13.1	106
161	A facile homogeneous electrochemical biosensing strategy based on displacement reaction for intracellular and extracellular hydrogen peroxide detection. *Biosensors and Bioelectronics*, **2019**, 141, 111446	11.8	19
160	Label-free and immobilization-free photoelectrochemical biosensing strategy using methylene blue in homogeneous solution as signal probe for facile DNA methyltransferase activity assay. *Biosensors and Bioelectronics*, **2019**, 141, 111395	11.8	22
159	Gas storage potential and electrohydraulic discharge (EHD) stimulation of coal seam interburden from the Surat Basin. *International Journal of Coal Geology*, **2019**, 208, 24-36	5.5	9
158	A laser-induced TiO-decorated graphene photoelectrode for sensitive photoelectrochemical biosensing. *Chemical Communications*, **2019**, 55, 4945-4948	5.8	26
157	Carbon Monoliths by Assembling Carbon Spheres for Gas Adsorption. *Industrial & Engineering Chemistry Research*, **2019**, 58, 4957-4969	3.9	4
156	Anisotropic coal permeability estimation by determining cleat compressibility using mercury intrusion porosimetry and stress□train measurements. *International Journal of Coal Geology*, **2019**, 205, 75-86	5.5	23
155	A Universal Paper-Based Electrochemical Sensor for Zero-Background Assay of Diverse Biomarkers. *ACS Applied Materials & Interfaces*, **2019**, 11, 15381-15388	9.5	59
154	Characterisation and evaluation of shockwave generation in water conditions for coal fracturing. *Journal of Natural Gas Science and Engineering*, **2019**, 66, 255-264	4.6	13
153	Effect of oxidation and silane surface treatments of coal powders on relative permeability in packed coal beds. *Journal of Natural Gas Science and Engineering*, **2019**, 69, 102931	4.6	1
152	Direct-Laser-Writing of Metal Sulfide-Graphene Nanocomposite Photoelectrode toward Sensitive Photoelectrochemical Sensing. *Advanced Functional Materials*, **2019**, 29, 1904000	15.6	66
151	A Surfactant-Free and Scalable General Strategy for Synthesizing Ultrathin Two-Dimensional Metal-Organic Framework Nanosheets for the Oxygen Evolution Reaction. *Angewandte Chemie - International Edition*, **2019**, 58, 13565-13572	16.4	121

150	High-Performance PEDOT:PSS Flexible Thermoelectric Materials and Their Devices by Triple Post-Treatments. *Chemistry of Materials*, **2019**, 31, 5238-5244	9.6	102
149	Fine-Tuning the Coordinatively Unsaturated Metal Sites of Metal-Organic Frameworks by Plasma Engraving for Enhanced Electrocatalytic Activity. *ACS Applied Materials & Interfaces*, **2019**, 11, 44300-44307	9.5	24
148	Fabrication of PVDF hollow fiber membranes via integrated phase separation for membrane distillation. *Journal of the Taiwan Institute of Chemical Engineers*, **2019**, 95, 487-494	5.3	19
147	Improving biocatalytic microenvironment with biocompatible ε-poly-l-lysine for one step gluconic acid production in low pH enzymatic systems. *Process Biochemistry*, **2019**, 76, 118-127	4.8	6
146	Cracking Behavior and Mechanism of Gibbsite Crystallites during Calcination. *Crystal Research and Technology*, **2019**, 54, 1800201	1.3	3
145	Orientated growth of copper-based MOF for acetylene storage. *Chemical Engineering Journal*, **2019**, 357, 320-327	14.7	24
144	Co-localization of glucose oxidase and catalase enabled by a self-assembly approach: Matching between molecular dimensions and hierarchical pore sizes. *Food Chemistry*, **2019**, 275, 197-205	8.5	16
143	Combined Adsorption and Covalent Linking of Paclitaxel on Functionalized Nano-Graphene Oxide for Inhibiting Cancer Cells. *ACS Omega*, **2018**, 3, 2396-2405	3.9	12
142	A phase inversion polymer coating to prevent swelling and spalling of clay fines in coal seam gas wells. *International Journal of Coal Science and Technology*, **2018**, 5, 179-190	4.5	3
141	Affinity induced immobilization of adenylate cyclase from the crude cell lysate for ATP conversion. *Colloids and Surfaces B: Biointerfaces*, **2018**, 164, 155-164	6	14
140	Tuning oxygen vacancies in two-dimensional iron-cobalt oxide nanosheets through hydrogenation for enhanced oxygen evolution activity. *Nano Research*, **2018**, 11, 3509-3518	10	110
139	Pore channel surface modification for enhancing anti-fouling membrane distillation. *Applied Surface Science*, **2018**, 443, 217-226	6.7	27
138	Truly Immobilization-Free Diffusivity-Mediated Photoelectrochemical Biosensing Strategy for Facile and Highly Sensitive MicroRNA Assay. *Analytical Chemistry*, **2018**, 90, 9591-9597	7.8	129
137	Silver-Perovskite Hybrid Electrocatalysts for Oxygen Reduction Reaction in Alkaline Media. *Journal of the Electrochemical Society*, **2018**, 165, H524-H529	3.9	11
136	Direct-laser-writing of three-dimensional porous graphene frameworks on indium-tin oxide for sensitive electrochemical biosensing. *Analyst, The*, **2018**, 143, 3327-3334	5	21
135	A nitrogen-doped electrocatalyst from metal-organic framework-carbon nanotube composite. *Journal of Materials Research*, **2018**, 33, 538-545	2.5	13
134	Metal organic framework based mixed matrix membranes: an overview on filler/polymer interfaces. *Journal of Materials Chemistry A*, **2018**, 6, 293-312	13	235
133	Oligonucleotide-modulated photocurrent enhancement of a tetracationic porphyrin for label-free homogeneous photoelectrochemical biosensing. *Biosensors and Bioelectronics*, **2018**, 121, 90-95	11.8	10

132	Permeability enhancement of coal by chemical-free fracturing using high-voltage electrohydraulic discharge. *Journal of Natural Gas Science and Engineering*, **2018**, 57, 1-10	4.6	18
131	Effect of rheological properties of mesophase pitch and coal mixtures on pore development in activated carbon discs with high compressive strength. *Fuel Processing Technology*, **2018**, 177, 219-227	7.2	15
130	Ultrathin Iron-Cobalt Oxide Nanosheets with Abundant Oxygen Vacancies for the Oxygen Evolution Reaction. *Advanced Materials*, **2017**, 29, 1606793	24	821
129	Ratiometric NanoCluster Beacon: A Label-Free and Sensitive Fluorescent DNA Detection Platform. *ACS Applied Materials & Interfaces*, **2017**, 9, 13102-13110	9.5	55
128	Anti-fouling membranes by manipulating surface wettability and their anti-fouling mechanism. *Desalination*, **2017**, 413, 127-135	10.3	73
127	Electro-Grafted Electrode with Graphene-Oxide-Like DNA Affinity for Ratiometric Homogeneous Electrochemical Biosensing of MicroRNA. *Analytical Chemistry*, **2017**, 89, 11560-11567	7.8	48
126	Rational Design of a Water-Storable Hierarchical Architecture Decorated with Amorphous Barium Oxide and Nickel Nanoparticles as a Solid Oxide Fuel Cell Anode with Excellent Sulfur Tolerance. *Advanced Science*, **2017**, 4, 1700337	13.6	59
125	Effect of sonication and hydrogen peroxide oxidation of carbon nanotube modifiers on the microstructure of pitch-derived activated carbon foam discs. *Carbon*, **2017**, 124, 142-151	10.4	16
124	Ratiometric Catalyzed-Assembly of NanoCluster Beacons: A Nonenzymatic Approach for Amplified DNA Detection. *ACS Applied Materials & Interfaces*, **2017**, 9, 32089-32096	9.5	41
123	Enabling Process Intensification by 3 D Printing of Catalytic Structures. *ChemCatChem*, **2017**, 9, 4132-4138	3.8	26
122	Activated carbon derived from bio-waste hemp hurd and retted hemp hurd for CO2 adsorption. *Composites Communications*, **2017**, 5, 27-30	6.7	24
121	The preparation of activated carbon discs from tar pitch and coal powder for adsorption of CO 2 , CH 4 and N 2. *Microporous and Mesoporous Materials*, **2017**, 238, 19-26	5.3	34
120	Surface-etched halloysite nanotubes in mixed matrix membranes for efficient gas separation. *Separation and Purification Technology*, **2017**, 173, 63-71	8.3	36
119	A versatile immobilization-free photoelectrochemical biosensor for ultrasensitive detection of cancer biomarker based on enzyme-free cascaded quadratic amplification strategy. *Biosensors and Bioelectronics*, **2016**, 77, 220-6	11.8	89
118	Visualization of latent fingerprints using a simple silver imaging ink. *Analytical Methods*, **2016**, 8, 6293-6297	3.1	11
117	A facile, sensitive, and highly specific trinitrophenol assay based on target-induced synergetic effects of acid induction and electron transfer towards DNA-templated copper nanoclusters. *Talanta*, **2016**, 160, 475-480	6.2	18
116	Ionic Liquids as the MOFs/Polymer Interfacial Binder for Efficient Membrane Separation. *ACS Applied Materials & Interfaces*, **2016**, 8, 32041-32049	9.5	112
115	Affinity-Mediated Homogeneous Electrochemical Aptasensor on a Graphene Platform for Ultrasensitive Biomolecule Detection via Exonuclease-Assisted Target-Analog Recycling Amplification. *Analytical Chemistry*, **2016**, 88, 2212-9	7.8	89

114	Propylene/propane selective mixed matrix membranes with grape-branched MOF/CNT filler. *Journal of Materials Chemistry A*, **2016**, 4, 6084-6090	13	48
113	Amphiphobic PVDF composite membranes for anti-fouling direct contact membrane distillation. *Journal of Membrane Science*, **2016**, 505, 61-69	9.6	115
112	Versatile and Programmable DNA Logic Gates on Universal and Label-Free Homogeneous Electrochemical Platform. *Analytical Chemistry*, **2016**, 88, 9691-9698	7.8	66
111	Highly active nickel-cobalt/nanocarbon thin films as efficient water splitting electrodes. *Nanoscale*, **2016**, 8, 18507-18515	7.7	47
110	Unique quenching of fluorescent copper nanoclusters based on target-induced oxidation effect: a simple, label-free, highly sensitive and specific bleomycin assay. *RSC Advances*, **2016**, 6, 76679-76683	3.7	12
109	Highly sensitive electrogenerated chemiluminescence biosensor based on hybridization chain reaction and amplification of gold nanoparticles for DNA detection. *Sensors and Actuators B: Chemical*, **2015**, 220, 942-948	8.5	43
108	Mixed-Matrix Membranes with Metal-Organic Framework-Decorated CNT Fillers for Efficient CO2 Separation. *ACS Applied Materials & Interfaces*, **2015**, 7, 14750-7	9.5	96
107	An experimental and simulation study of binary adsorption in metal–organic frameworks. *Separation and Purification Technology*, **2015**, 146, 136-142	8.3	5
106	Application of Au cage/Ru(bpy)32+ nanostructures for the electrochemiluminescence detection of K562 cancer cells based on aptamer. *Sensors and Actuators B: Chemical*, **2015**, 214, 144-151	8.5	26
105	Synthesis and characterization of three amino-functionalized metal-organic frameworks based on the 2-aminoterephthalic ligand. *Dalton Transactions*, **2015**, 44, 8190-7	4.3	50
104	Layered double hydroxide functionalized textile for effective oil/water separation and selective oil adsorption. *ACS Applied Materials & Interfaces*, **2015**, 7, 791-800	9.5	153
103	High activity electrocatalysts from metal–organic framework-carbon nanotube templates for the oxygen reduction reaction. *Carbon*, **2015**, 82, 417-424	10.4	121
102	Cyto-sensing in electrochemical lab-on-paper cyto-device for in-situ evaluation of multi-glycan expressions on cancer cells. *Biosensors and Bioelectronics*, **2015**, 63, 232-239	11.8	46
101	Paper-based electrochemiluminescence origami cyto-device for multiple cancer cells detection using porous AuPd alloy as catalytically promoted nanolabels. *Biosensors and Bioelectronics*, **2015**, 63, 450-457	11.8	71
100	Graphene-Assisted Label-Free Homogeneous Electrochemical Biosensing Strategy based on Aptamer-Switched Bidirectional DNA Polymerization. *ACS Applied Materials & Interfaces*, **2015**, 7, 28566-75	9.5	42
99	An origami electrochemiluminescence immunosensor based on gold/graphene for specific, sensitive point-of-care testing of carcinoembryonic antigen. *Sensors and Actuators B: Chemical*, **2014**, 193, 247-254	8.5	42
98	Photoelectrochemical sensor for pentachlorophenol on microfluidic paper-based analytical device based on the molecular imprinting technique. *Biosensors and Bioelectronics*, **2014**, 56, 97-103	11.8	91
97	Multiplex electrochemical origami immunodevice based on cuboid silver-paper electrode and metal ions tagged nanoporous silver-chitosan. *Biosensors and Bioelectronics*, **2014**, 56, 167-73	11.8	59

96	Electrophoretic separation in a microfluidic paper-based analytical device with an on-column wireless electrogenerated chemiluminescence detector. *Chemical Communications*, **2014**, 50, 5699-702	5.8	57
95	A near-infrared light photoelectrochemical immunosensor based on a Au-paper electrode and naphthalocyanine sensitized ZnO nanorods. *Journal of Materials Chemistry B*, **2014**, 2, 4811-4817	7.3	18
94	A three-dimensional origami-based immuno-biofuel cell for self-powered, low-cost, and sensitive point-of-care testing. *Chemical Communications*, **2014**, 50, 1947-9	5.8	72
93	Self-powered and sensitive DNA detection in a three-dimensional origami-based biofuel cell based on a porous Pt-paper cathode. *Chemistry - A European Journal*, **2014**, 20, 12453-62	4.8	34
92	Calcium Looping for CO2 Capture at a Constant High Temperature. *Energy & Fuels*, **2014**, 28, 307-318	4.1	35
91	Flexible paper-based ZnO nanorod light-emitting diodes induced multiplexed photoelectrochemical immunoassay. *Chemical Communications*, **2014**, 50, 1417-9	5.8	148
90	Mixed matrix membranes with strengthened MOFs/polymer interfacial interaction and improved membrane performance. *ACS Applied Materials & Interfaces*, **2014**, 6, 5609-18	9.5	132
89	Paper-based electrochemical cyto-device for sensitive detection of cancer cells and in situ anticancer drug screening. *Analytica Chimica Acta*, **2014**, 847, 1-9	6.6	74
88	Lab-on-paper-based devices using chemiluminescence and electrogenerated chemiluminescence detection. *Analytical and Bioanalytical Chemistry*, **2014**, 406, 5613-30	4.4	59
87	Using "dioscorea batatas bean"-like silver nanoparticles based localized surface plasmon resonance to enhance the fluorescent signal of zinc oxide quantum dots in a DNA sensor. *Biosensors and Bioelectronics*, **2014**, 61, 344-50	11.8	9
86	In situ synthesis of zeolitic imidazolate frameworks/carbon nanotube composites with enhanced CO2 adsorption. *Dalton Transactions*, **2014**, 43, 7028-36	4.3	87
85	A photoelectrochemical biosensor using ruthenium complex-reduced graphene oxide hybrid as the photocurrent signal reporter assembled on rhombic TiO2 nanocrystals driven by visible light. *Analytica Chimica Acta*, **2014**, 828, 27-33	6.6	16
84	Photoelectrochemical Sensor Based on Molecularly Imprinted Polymer-Coated TiO2 Nanotubes for Lindane Specific Recognition and Detection. *Journal of Inorganic and Organometallic Polymers and Materials*, **2013**, 23, 703-711	3.2	20
83	Highly sensitive chemiluminescence immunoassay on chitosan membrane modified paper platform using TiO2 nanoparticles/multiwalled carbon nanotubes as label. *Luminescence*, **2013**, 28, 496-502	2.5	23
82	A paper-based photoelectrochemical immunoassay for low-cost and multiplexed point-of-care testing. *Chemical Communications*, **2013**, 49, 3294-6	5.8	75
81	A novel microfluidic origami photoelectrochemical sensor based on CdTe quantum dots modified molecularly imprinted polymer and its highly selective detection of S-fenvalerate. *Electrochimica Acta*, **2013**, 107, 147-154	6.7	72
80	Molecularly Imprinted Polymer Grafted Porous Au-Paper Electrode for an Microfluidic Electro-Analytical Origami Device. *Advanced Functional Materials*, **2013**, 23, 3115-3123	15.6	101
79	Electrochemiluminescence of blue-luminescent graphene quantum dots and its application in ultrasensitive aptasensor for adenosine triphosphate detection. *Biosensors and Bioelectronics*, **2013**, 47, 271-7	11.8	124

78	Photoelectrochemical lab-on-paper device equipped with a porous Au-paper electrode and fluidic delay-switch for sensitive detection of DNA hybridization. *Lab on A Chip*, **2013**, 13, 3945-55	7.2	69
77	"Sugarcoated haws on a stick"-like MWNTs-Fe3O4-C coaxial nanomaterial: synthesis, characterization and application in electrochemiluminescence immunoassays. *Biosensors and Bioelectronics*, **2013**, 47, 68-74	11.8	19
76	Rechargeable battery-based constant-potential electroluminescence multiplexed immunoassay on single working electrode for sequentially anodic and cathodic detection through a self-assembly toggle switch. *Sensors and Actuators B: Chemical*, **2013**, 183, 488-495	8.5	6
75	3D microfluidic origami electrochemiluminescence immunodevice for sensitive point-of-care testing of carcinoma antigen 125. *Sensors and Actuators B: Chemical*, **2013**, 176, 1-8	8.5	52
74	TiO2–graphene complex nanopaper for paper-based label-free photoelectrochemical immunoassay. *Electrochimica Acta*, **2013**, 112, 620-628	6.7	23
73	Molecularly imprinted polymer grafted paper-based multi-disk micro-disk plate for chemiluminescence detection of pesticide. *Biosensors and Bioelectronics*, **2013**, 50, 262-8	11.8	76
72	Facile synthesis of nitrogen doped reduced graphene oxide as a superior metal-free catalyst for oxidation. *Chemical Communications*, **2013**, 49, 9914-6	5.8	248
71	Paper-based photoelectrochemical immunosensing based on CdS QD sensitized multidimensional porous ZnO spheres promoted by carbon nanotubes. *Chemical Communications*, **2013**, 49, 10400-2	5.8	21
70	A 3D origami multiple electrochemiluminescence immunodevice based on a porous silver-paper electrode and multi-labeled nanoporous gold-carbon spheres. *Chemical Communications*, **2013**, 49, 7687-9	5.8	33
69	Hierarchically structured metal–organic framework/vertically-aligned carbon nanotubes hybrids for CO2 capture. *RSC Advances*, **2013**, 3, 25360	3.7	39
68	Difference in the cooperative interaction between carbon nanotubes and Ru particles loaded on their internal/external surface. *RSC Advances*, **2013**, 3, 12641	3.7	9
67	A disposable immunosensor device for point-of-care test of tumor marker based on copper-mediated amplification. *Biosensors and Bioelectronics*, **2013**, 43, 425-31	11.8	47
66	Triple catalysis amplification strategy for simultaneous multiplexed electrochemical immunoassays based on cactus-like MnO2 functionalized nanoporous gold. *Sensors and Actuators B: Chemical*, **2013**, 186, 545-549	8.5	12
65	Two-step boron and nitrogen doping in graphene for enhanced synergistic catalysis. *Angewandte Chemie - International Edition*, **2013**, 52, 3110-6	16.4	776
64	Synthesis and characterization of graphene nanosheets attached to spiky MnO2 nanospheres and its application in ultrasensitive immunoassay. *Carbon*, **2013**, 57, 22-33	10.4	60
63	Photoelectrochemical lab-on-paper device based on an integrated paper supercapacitor and internal light source. *Analytical Chemistry*, **2013**, 85, 3961-70	7.8	130
62	Visible light photoelectrochemical sensor based on Au nanoparticles and molecularly imprinted poly(o-phenylenediamine)-modified TiO2 nanotubes for specific and sensitive detection chlorpyrifos. *Analyst, The*, **2013**, 138, 939-45	5	72
61	Mixed matrix membranes incorporated with size-reduced Cu-BTC for improved gas separation. *Journal of Materials Chemistry A*, **2013**, 1, 6350	13	122

60	A disposable simultaneous electrochemical sensor array based on a molecularly imprinted film at a NH2-graphene modified screen-printed electrode for determination of psychotropic drugs. *Analyst, The*, **2013**, 138, 2704-11	5	42
59	Photoelectrochemical lab-on-paper device based on molecularly imprinted polymer and porous Au-paper electrode. *Analyst, The*, **2013**, 138, 4802-11	5	27
58	A microfluidic origami electrochemiluminescence aptamer-device based on a porous Au-paper electrode and a phenyleneethynylene derivative. *Chemical Communications*, **2013**, 49, 1383-5	5.8	74
57	A disposable electrochemiluminescence device for ultrasensitive monitoring of K562 leukemia cells based on aptamers and ZnO@carbon quantum dots. *Biosensors and Bioelectronics*, **2013**, 49, 79-85	11.8	80
56	In situ assembly of porous Au-paper electrode and functionalization of magnetic silica nanoparticles with HRP via click chemistry for Microcystin-LR immunoassay. *Biosensors and Bioelectronics*, **2013**, 49, 111-7	11.8	59
55	Electropolymerized Poly(3,4-ethylendioxythiophene)/Graphene Composite Film and its Application in Quantum Dots Electrochemiluminescence Immunoassay. *Journal of Inorganic and Organometallic Polymers and Materials*, **2013**, 23, 719-725	3.2	14
54	Three-dimensional paper-based electrochemiluminescence device for simultaneous detection of Pb2+ and Hg2+ based on potential-control technique. *Biosensors and Bioelectronics*, **2013**, 41, 544-50	11.8	163
53	Halloysite Nanotube Supported Ru Nanocatalysts Synthesized by the Inclusion of Preformed Ru Nanoparticles for Preferential Oxidation of CO in H2-Rich Atmosphere. *Journal of Physical Chemistry C*, **2013**, 117, 4141-4151	3.8	37
52	Composite TiO2 film with quantum dots fabricated through a sol-gel process. *Journal of Nanoscience and Nanotechnology*, **2013**, 13, 2943-7	1.3	1
51	Three-dimensional paper-based electrochemiluminescence immunodevice for multiplexed measurement of biomarkers and point-of-care testing. *Biomaterials*, **2012**, 33, 1024-31	15.6	318
50	Paper-based chemiluminescence ELISA: lab-on-paper based on chitosan modified paper device and wax-screen-printing. *Biosensors and Bioelectronics*, **2012**, 31, 212-8	11.8	358
49	Paper-based three-dimensional electrochemical immunodevice based on multi-walled carbon nanotubes functionalized paper for sensitive point-of-care testing. *Biosensors and Bioelectronics*, **2012**, 32, 238-43	11.8	148
48	A novel high selectivity chemiluminescence sensor for fenvalerate based on double-sided hollow molecularly imprinted materials. *Analyst, The*, **2012**, 137, 4247-53	5	15
47	Vertically-aligned carbon nanotube membranes for hydrogen separation. *RSC Advances*, **2012**, 2, 5329	3.7	30
46	Rechargeable battery-triggered electrochemiluminescence detection on microfluidic origami immunodevice based on two electrodes. *Chemical Communications*, **2012**, 48, 9971-3	5.8	31
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