

Erkang Wang

List of Publications by Year in Descending Order

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

273
papers

14,026
citations

56
h-index

110
g-index

280
ext. papers

16,013
ext. citations

7.8
avg, IF

7.32
L-index

#	Paper	IF	Citations
273	Hunting the Culprits: Reactive Oxygen Species in Aprotic Lithium-Oxygen Batteries. <i>Journal of Physical Chemistry C</i> , 2022 , 126, 1243-1255	3.8	4
272	Facile one-step synthesis of NIR-Responsive siRNA-Inorganic hybrid nanoplatfom for imaging-guided photothermal and gene synergistic therapy.. <i>Biomaterials</i> , 2022 , 282, 121404	15.6	1
271	Sensitive and selective detection of Mucin1 in pancreatic cancer using hybridization chain reaction with the assistance of FeO@polydopamine nanocomposites.. <i>Journal of Nanobiotechnology</i> , 2022 , 20, 94	9.4	0
270	Implementation of logic operations and bioanalysis based on DNA allostery-regulated nanometallic catalysis. <i>Nano Today</i> , 2022 , 44, 101476	17.9	1
269	Engineering DNA logic systems with non-canonical DNA-nanostructures: basic principles, recent developments and bio-applications. <i>Science China Chemistry</i> , 2022 , 65, 284-297	7.9	3
268	Discovery of Small Molecule NSC290956 as a Therapeutic Agent for KRas Mutant Non-Small-Cell Lung Cancer.. <i>Frontiers in Pharmacology</i> , 2021 , 12, 797821	5.6	0
267	Midas Touch: Engineering Activity of Metal-Organic Frameworks via Coordination for Biosensing.. <i>Analytical Chemistry</i> , 2021 ,	7.8	4
266	Fluorogenic Reaction Generated via Ascorbic Acid for the Construction of Universal Sensing Platform. <i>Analytical Chemistry</i> , 2021 , 93, 6873-6880	7.8	5
265	A Solid-State Electrochemiluminescence Sensor Based on Novel Two-Dimensional Ti3C2 MXene. <i>ChemElectroChem</i> , 2021 , 8, 1858-1863	4.3	3
264	Reversible Cycling of Graphite Electrodes in Propylene Carbonate Electrolytes Enabled by Ethyl Isothiocyanate. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 26023-26033	9.5	3
263	Rational Construction of Ruthenium-Cobalt Oxides Heterostructure in ZIFs-Derived Double-Shelled Hollow Polyhedrons for Efficient Hydrogen Evolution Reaction. <i>Small</i> , 2021 , 17, e2100998	11	8
262	Atom-Anchoring Strategy with Metal-Organic Frameworks for Highly Efficient Solid-State Electrochemiluminescence. <i>Analytical Chemistry</i> , 2021 , 93, 9628-9633	7.8	5
261	Regulating Catalytic Activity of DNA-Templated Silver Nanoclusters Based on their Differential Interactions with DNA Structures and Stimuli-Responsive Structural Transition. <i>Small</i> , 2021 , 17, e2006553	11	6
260	Kinetics of the CO ₂ reduction reaction in aprotic Li-O ₂ batteries: a model study. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 3290-3296	13	10
259	Emerging Dual-Atomic-Site Catalysts for Efficient Energy Catalysis. <i>Advanced Materials</i> , 2021 , 33, e2102576	17.6	51
258	Supramolecular Anchoring Strategy for Facile Production of Ruthenium Nanoparticles Embedded in N-Doped Mesoporous Carbon Nanospheres for Efficient Hydrogen Generation. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 32997-33005	9.5	1
257	An intermediate state in trans-differentiation with proliferation, metabolic, and epigenetic switching. <i>IScience</i> , 2021 , 24, 103057	6.1	2

256	Nanozymes: A clear definition with fuzzy edges. <i>Nano Today</i> , 2021 , 40, 101269	17.9	97
255	DNA Computing: Versatile Logic Circuits and Innovative Bio-applications 2021 , 231-246		1
254	Highly efficient nanomedicine from cationic antimicrobial peptide-protected Ag nanoclusters. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 307-313	7.3	6
253	Direct Spectroscopic Evidence for Solution-Mediated Oxygen Reduction Reaction Intermediates in Aprotic Lithium-Oxygen Batteries.. <i>Nano Letters</i> , 2021 ,	11.5	2
252	Propelling DNA Computing with Materials' Power: Recent Advancements in Innovative DNA Logic Computing Systems and Smart Bio-Applications. <i>Advanced Science</i> , 2020 , 7, 2001766	13.6	31
251	In Situ Formed Catalytic Interface for Boosting Chemiluminescence. <i>Analytical Chemistry</i> , 2020 , 92, 10108-10118		
250	Illuminating Diverse Concomitant DNA Logic Gates and Concatenated Circuits with Hairpin DNA-Templated Silver Nanoclusters as Universal Dual-Output Generators. <i>Advanced Materials</i> , 2020 , 32, e1908480	24	23
249	A one-step method to prepare analogue of NiCx for electrochemical water splitting. <i>Electrochemistry Communications</i> , 2020 , 114, 106701	5.1	1
248	A General Method for Transition Metal Single Atoms Anchored on Honeycomb-Like Nitrogen-Doped Carbon Nanosheets. <i>Advanced Materials</i> , 2020 , 32, e1906905	24	97
247	Ratiometric sensing of alkaline phosphatase based on the catalytical activity from Mn-Fe layered double hydroxide nanosheets. <i>Nanoscale</i> , 2020 , 12, 2022-2027	7.7	12
246	Electrospun Ru-RuO/MoO carbon nanorods with multi-active components: a Pt-like catalyst for the hydrogen evolution reaction. <i>Chemical Communications</i> , 2020 , 56, 739-742	5.8	22
245	Recent Progress of Ruthenium-based Nanomaterials for Electrochemical Hydrogen Evolution. <i>ChemElectroChem</i> , 2020 , 7, 4526-4534	4.3	8
244	Bifunctional Nanoprobes Used for Label-Free Determination of Cardiac Troponin I. <i>ChemElectroChem</i> , 2020 , 7, 4343-4348	4.3	0
243	Universal Platform for Ratiometric Sensing Based on Catalytically Induced Inner-Filter Effect by Cu. <i>Analytical Chemistry</i> , 2020 , 92, 16066-16071	7.8	10
242	Highly efficient catalysts for oxygen reduction using well-dispersed iron carbide nanoparticles embedded in multichannel hollow nanofibers. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 18125-18131	13	15
241	Atomic engineering of single-atom nanozymes for enzyme-like catalysis. <i>Chemical Science</i> , 2020 , 11, 9740-9752	9.7	52
240	Functionalized Graphene@Gold Nanostar/Lipid for Pancreatic Cancer Gene and Photothermal Synergistic Therapy under Photoacoustic/Photothermal Imaging Dual-Modal Guidance. <i>Small</i> , 2020 , 16, e2003707	11	26
239	Ru nanoparticles encapsulated in ZIFs-derived porous N-doped hierarchical carbon nanofibers for enhanced hydrogen evolution reaction. <i>Catalysis Science and Technology</i> , 2020 , 10, 7302-7308	5.5	5

238	Boosted Oxygen Evolution Reactivity via Atomic Iron Doping in Cobalt Carbonate Hydroxide Hydrate. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 40220-40228	9.5	19
237	Exploration of intramolecular split G-quadruplex and its analytical applications. <i>Nucleic Acids Research</i> , 2019 , 47, 9502-9510	20.1	8
236	Recent progress in Pt and Pd-based hybrid nanocatalysts for methanol electrooxidation. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 21185-21199	3.6	7
235	Lighting Up the Gold Nanoclusters via Host-Guest Recognition for High-Efficiency Antibacterial Performance and Imaging. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 36831-36838	9.5	28
234	Ultrathin nanodendrite surrounded PtRuNi nanoframes as efficient catalysts for methanol electrooxidation. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 2547-2552	13	25
233	The emergence of the two cell fates and their associated switching for a negative auto-regulating gene. <i>BMC Biology</i> , 2019 , 17, 49	7.3	8
232	A Janus-inspired amphichromatic system that kills two birds with one stone for operating a "DNA Janus Logic Pair" (DJLP) library. <i>Chemical Science</i> , 2019 , 10, 7290-7298	9.4	12
231	Glutathione Regulated Inner Filter Effect of MnO Nanosheets on Boron Nitride Quantum Dots for Sensitive Assay. <i>Analytical Chemistry</i> , 2019 , 91, 5762-5767	7.8	73
230	Recent advances in the synthesis and application of copper nanomaterials based on various DNA scaffolds. <i>Biosensors and Bioelectronics</i> , 2019 , 132, 333-342	11.8	27
229	A Molybdenum Carbide Nanotubes Modified Electrode as the Functionalized Sensing Platform for Electrochemical Detection of Dopamine. <i>Electroanalysis</i> , 2019 , 31, 922-926	3	2
228	Sensitive and Multiplexed SERS Nanotags for the Detection of Cytokines Secreted by Lymphoma. <i>ACS Sensors</i> , 2019 , 4, 2507-2514	9.2	21
227	Ni@RuM (M=Ni or Co) core@shell nanocrystals with high mass activity for overall water-splitting catalysis. <i>Science China Materials</i> , 2019 , 62, 1868-1876	7.1	14
226	An interfacial electron transfer relay center for accelerating the hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 18304-18310	13	9
225	An ent-Kaurane Diterpenoid Isolated from <i>Rabdosia excisa</i> Suppresses Bcr-Abl Protein Expression in Vitro and in Vivo and Induces Apoptosis of CML Cells. <i>Chemistry and Biodiversity</i> , 2019 , 16, e1900443	2.5	2
224	Enhancement of the hydrogen evolution performance by finely tuning the morphology of Co-based catalyst without changing chemical composition. <i>Nano Research</i> , 2019 , 12, 191-196	10	10
223	Cationic-Polyelectrolyte-Modified Fluorescent DNA-Silver Nanoclusters with Enhanced Emission and Higher Stability for Rapid Bioimaging. <i>Analytical Chemistry</i> , 2019 , 91, 2050-2057	7.8	41
222	Upconversion-chameleon-driven DNA computing: the DNA-unlocked inner-filter-effect (DU-IFE) for operating a multicolor upconversion luminescent DNA logic library and its biosensing application. <i>Materials Horizons</i> , 2019 , 6, 375-384	14.4	14
221	Recent Advancements in Transition Metal-Nitrogen-Carbon Catalysts for Oxygen Reduction Reaction. <i>Electroanalysis</i> , 2018 , 30, 1217-1228	3	52

220	Boron Nitride Quantum Dots as Efficient Coreactant for Enhanced Electrochemiluminescence of Ruthenium(II) Tris(2,2'-bipyridyl). <i>Analytical Chemistry</i> , 2018 , 90, 2141-2147	7.8	71
219	L-tyrosine methyl ester-stabilized carbon dots as fluorescent probes for the assays of biothiols. <i>Analytica Chimica Acta</i> , 2018 , 1006, 83-89	6.6	15
218	Investigation of an eco-friendly aerogel as a substrate for the immobilization of MoS nanoflowers for removal of mercury species from aqueous solutions. <i>Journal of Colloid and Interface Science</i> , 2018 , 525, 251-259	9.3	14
217	Facile fabrication of PdRuPt nanowire networks with tunable compositions as efficient methanol electrooxidation catalysts. <i>Nano Research</i> , 2018 , 11, 4348-4355	10	36
216	Construction of surface charge-controlled reduced graphene oxide-loaded FeO and Pt nanohybrid for peroxidase mimic with enhanced catalytic activity. <i>Analytica Chimica Acta</i> , 2018 , 1014, 77-84	6.6	19
215	Tackling Grand Challenges of the 21st Century with Electroanalytical Chemistry. <i>Journal of the American Chemical Society</i> , 2018 , 140, 10629-10638	16.4	27
214	A simple, label-free, electrochemical DNA parity generator/checker for error detection during data transmission based on "aptamer-nanoclaw"-modulated protein steric hindrance. <i>Chemical Science</i> , 2018 , 9, 6981-6987	9.4	25
213	Lighting Up the Thioflavin T by Parallel-Stranded TG(GA) n DNA Homoduplexes. <i>ACS Sensors</i> , 2018 , 3, 1118-1125	9.2	14
212	Integration of two-dimensional morphology and porous surfaces to boost methanol electrooxidation performances of PtAg alloy nanomaterials. <i>Nano Research</i> , 2018 , 11, 6375-6383	10	10
211	Rapid synthesis of CoO nanosheet arrays on Ni foam by in situ electrochemical oxidization of air-plasma engraved Co(OH) for efficient oxygen evolution. <i>Chemical Communications</i> , 2018 , 54, 12698-12701	5.8	22
210	The Effect of Metal Components in the Quaternary Electrocatalysts on the Morphology and Catalytic Performance of Transition Metal Phosphides. <i>Electroanalysis</i> , 2018 , 30, 2584-2588	3	3
209	Co O /Fe Co P Interface Nanowire for Enhancing Water Oxidation Catalysis at High Current Density. <i>Advanced Materials</i> , 2018 , 30, e1803551	24	115
208	Point-of-Care Diagnoses: Flexible Patterning Technique for Self-Powered Wearable Sensors. <i>Analytical Chemistry</i> , 2018 , 90, 11780-11784	7.8	32
207	Chemiluminescence of CsPbBr Perovskite Nanocrystal on the Hexane/Water Interface. <i>Analytical Chemistry</i> , 2018 , 90, 11651-11657	7.8	20
206	Nanozyme: An emerging alternative to natural enzyme for biosensing and immunoassay. <i>TrAC - Trends in Analytical Chemistry</i> , 2018 , 105, 218-224	14.6	319
205	Self-Crosslink Method for a Straightforward Synthesis of Poly(Vinyl Alcohol)-Based Aerogel Assisted by Carbon Nanotube. <i>Advanced Functional Materials</i> , 2017 , 27, 1604423	15.6	40
204	Cooperative Strategies for Enhancing Performance of Photothermal Therapy (PTT) Agent: Optimizing Its Photothermal Conversion and Cell Internalization Ability. <i>Small</i> , 2017 , 13, 1603275	11	30
203	Beyond Conventional Patterns: New Electrochemical Lithography with High Precision for Patterned Film Materials and Wearable Sensors. <i>Analytical Chemistry</i> , 2017 , 89, 2569-2574	7.8	11

202	Theoretical designing and experimental fabricating unique quadruple multimetallic phosphides with remarkable hydrogen evolution performance. <i>Nano Energy</i> , 2017 , 34, 421-427	17.1	25
201	Ultrafine transition metal dichalcogenide nanodots prepared by polyvinylpyrrolidone-assisted liquid phase exfoliation. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 2609-2615	7.3	14
200	Simple, fast, label-free, and nanoquencher-free system for operating multivalued DNA logic gates using polythymine templated CuNPs as signal reporters. <i>Nano Research</i> , 2017 , 10, 2560-2569	10	21
199	Recent Advances Based on Nanomaterials as Electrochemiluminescence Probes for the Fabrication of Sensors. <i>ChemElectroChem</i> , 2017 , 4, 1639-1650	4.3	72
198	Bipolar Electrodes with 100% Current Efficiency for Sensors. <i>ACS Sensors</i> , 2017 , 2, 320-326	9.2	46
197	Designing metal-contained enzyme mimics for prodrug activation. <i>Advanced Drug Delivery Reviews</i> , 2017 , 118, 78-93	18.5	26
196	In Situ Formation of Hierarchical Porous Fe,Co-N-Doped Carbon as a Highly Efficient Electrocatalyst for Oxygen Reduction. <i>ChemElectroChem</i> , 2017 , 4, 2005-2011	4.3	7
195	P doped Co ₂ Mo ₃ Se nanosheets grown on carbon fiber cloth as an efficient hybrid catalyst for hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 12043-12047	13	23
194	Positively charged graphene/Fe ₃ O ₄ /polyethylenimine with enhanced drug loading and cellular uptake for magnetic resonance imaging and magnet-responsive cancer therapy. <i>Nano Research</i> , 2017 , 10, 2280-2295	10	29
193	Enhanced Electrochemiluminescence Behavior of Gold-Silver Bimetallic Nanoclusters and Its Sensing Application for Mercury(II). <i>Analytical Chemistry</i> , 2017 , 89, 7788-7794	7.8	94
192	Bipolar Electrode Based Reversible Fluorescence Switch Using Prussian Blue/Au Nanoclusters Nanocomposite Film. <i>Analytical Chemistry</i> , 2017 , 89, 3867-3872	7.8	29
191	Water-Based Synthesis of Palladium Trigonal Bipyramidal/Tetrahedral Nanocrystals with Enhanced Electrocatalytic Oxidation Activity. <i>Chemistry - A European Journal</i> , 2017 , 23, 5799-5803	4.8	8
190	A Cake-Style CoS ₂ @MoS ₂ /RGO Hybrid Catalyst for Efficient Hydrogen Evolution. <i>Advanced Functional Materials</i> , 2017 , 27, 1602699	15.6	182
189	Exploiting Polydopamine Nanospheres to DNA Computing: A Simple, Enzyme-Free and G-Quadruplex-Free DNA Parity Generator/Checker for Error Detection during Data Transmission. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 1322-1330	9.5	33
188	Tyramine Hydrochloride Based Label-Free System for Operating Various DNA Logic Gates and a DNA Caliper for Base Number Measurements. <i>ChemPhysChem</i> , 2017 , 18, 1767-1772	3.2	10
187	An efficient CoS ₂ /CoSe ₂ hybrid catalyst for electrocatalytic hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 2504-2507	13	71
186	Self-supported ternary Co _{0.5} Mn _{0.5} P/carbon cloth (CC) as a high-performance hydrogen evolution electrocatalyst. <i>Nano Research</i> , 2017 , 10, 1001-1009	10	32
185	High-Sensitivity Electrochemiluminescence Probe with Molybdenum Carbides as Nanocarriers for Hg ²⁺ Protein Sensing. <i>Analytical Chemistry</i> , 2017 , 89, 12108-12114	7.8	61

184	One-step synthesis of well-structured Ni ₃ Ni ₂ P ₂ S ₆ nanosheets on nickel foam for efficient overall water splitting. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 22131-22136	13	58
183	Lipid-Coated Gold Nanoparticles Functionalized by Folic Acid as Gene Vectors for Targeted Gene Delivery in vitro and in vivo. <i>ChemMedChem</i> , 2017 , 12, 1768-1775	3.7	26
182	Amorphous CoB Grown on CoSe Nanosheets as a Hybrid Catalyst for Efficient Overall Water Splitting in Alkaline Medium. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 39312-39317	9.5	63
181	Traditional Herbal Medicine-Derived Sulforaphene LFS-01 Reverses Colitis in Mice by Selectively Altering the Gut Microbiota and Promoting Intestinal Gamma-Delta T Cells. <i>Frontiers in Pharmacology</i> , 2017 , 8, 959	5.6	25
180	Morphological and electronic modulation of NiSe nanosheet assemblies by Mo, S-codoping for an efficient hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 20588-20593	13	23
179	Nitrogen-Doped Porous Carbon Matrix Derived From Metal-Organic Framework-Supported Pt Nanoparticles with Enhanced Oxygen Reduction Activity. <i>ChemElectroChem</i> , 2017 , 4, 2814-2818	4.3	8
178	Dual-electrochromic bipolar electrode-based universal platform for the construction of various visual advanced logic devices. <i>NPG Asia Materials</i> , 2017 , 9, e421-e421	10.3	9
177	An intelligent universal system yields double results with half the effort for engineering a DNA Conrtrary Logic Pairs library and various DNA combinatorial logic circuits. <i>Materials Horizons</i> , 2017 , 4, 924-931	14.4	30
176	Introducing Ratiometric Fluorescence to MnO Nanosheet-Based Biosensing: A Simple, Label-Free Ratiometric Fluorescent Sensor Programmed by Cascade Logic Circuit for Ultrasensitive GSH Detection. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 25870-25877	9.5	123
175	Enhanced-quantum yield sulfur/nitrogen co-doped fluorescent carbon nanodots produced from biomass <i>Enteromorpha prolifera</i> : synthesis, posttreatment, applications and mechanism study. <i>Scientific Reports</i> , 2017 , 7, 4499	4.9	46
174	A DNA-based parity generator/checker for error detection through data transmission with visual readout and an output-correction function. <i>Chemical Science</i> , 2017 , 8, 1888-1895	9.4	44
173	Tuning the Composition of PdCuNi Hollow Nanospheres for Low Cost and Efficient Catalyst Towards Glycol Electrooxidation. <i>Electroanalysis</i> , 2017 , 29, 682-685	3	7
172	Wire-on-flake heterostructured ternary Co _{0.5} Ni _{0.5} P/CC: an efficient hydrogen evolution electrocatalyst. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 982-987	13	41
171	The origin of potential rise during charging of Li-O ₂ batteries. <i>Science China Chemistry</i> , 2017 , 60, 1527-1533	7.3	12
170	Transition-Metal (Co, Ni, and Fe)-Based Electrocatalysts for the Water Oxidation Reaction. <i>Advanced Materials</i> , 2016 , 28, 9266-9291	24	1075
169	Integration of DNA and graphene oxide for the construction of various advanced logic circuits. <i>Nanoscale</i> , 2016 , 8, 17524-17531	7.7	21
168	One-Step Synthesis of Platinum Nanochain Networks toward Methanol Electrooxidation. <i>ChemElectroChem</i> , 2016 , 3, 2093-2099	4.3	9
167	Iron and nitrogen co-doped hierarchical porous graphitic carbon for a high-efficiency oxygen reduction reaction in a wide range of pH. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 14364-14370	13	41

166	Molybdenum carbide nanotubes: a novel multifunctional material for label-free electrochemical immunosensing. <i>Nanoscale</i> , 2016 , 8, 15303-8	7.7	39
165	Spectroscopic Identification of the Au-C Bond Formation upon Electroreduction of an Aryl Diazonium Salt on Gold. <i>Langmuir</i> , 2016 , 32, 11514-11519	4	11
164	Multifunctional Graphene/DNA-Based Platform for the Construction of Enzyme-Free Ternary Logic Gates. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 30287-30293	9.5	26
163	Effective construction of a AuNPs/DNA system for the implementation of various advanced logic gates. <i>RSC Advances</i> , 2016 , 6, 106641-106647	3.7	10
162	A label-free colorimetric aptasensor for simple, sensitive and selective detection of Pt (II) based on platinum (II)-oligonucleotide coordination induced gold nanoparticles aggregation. <i>Biosensors and Bioelectronics</i> , 2016 , 85, 771-776	11.8	24
161	Engineering the bioelectrochemical interface using functional nanomaterials and microchip technique toward sensitive and portable electrochemical biosensors. <i>Biosensors and Bioelectronics</i> , 2016 , 76, 80-90	11.8	78
160	Bimetallic PdRu nanosponges with a tunable composition for ethylene glycol oxidation. <i>RSC Advances</i> , 2016 , 6, 12486-12490	3.7	27
159	Label-free and enzyme-free platform for the construction of advanced DNA logic devices based on the assembly of graphene oxide and DNA-templated AgNCs. <i>Nanoscale</i> , 2016 , 8, 3834-40	7.7	70
158	Smart modification of the single conical nanochannel to fabricate dual-responsive ion gate by self-initiated photografting and photopolymerization. <i>Talanta</i> , 2016 , 149, 280-284	6.2	3
157	Colorimetric Strategy for Highly Sensitive and Selective Simultaneous Detection of Histidine and Cysteine Based on G-Quadruplex-Cu(II) Metalloenzyme. <i>Analytical Chemistry</i> , 2016 , 88, 2899-903	7.8	87
156	Self-Powered Bipolar Electrochromic Electrode Arrays for Direct Displaying Applications. <i>Analytical Chemistry</i> , 2016 , 88, 2543-7	7.8	47
155	Scalable synthesis of Cu-based ultrathin nanowire networks and their electrocatalytic properties. <i>Nanoscale</i> , 2016 , 8, 4927-32	7.7	33
154	Cascade DNA logic device programmed ratiometric DNA analysis and logic devices based on a fluorescent dual-signal probe of a G-quadruplex DNAzyme. <i>Chemical Communications</i> , 2016 , 52, 3766-9	5.8	43
153	Multi-walled carbon nanotube supported Pd nanocubes with enhanced electrocatalytic activity. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 4485-4489	13	23
152	Noble-metal-free CoS-S/G porous hybrids as an efficient electrocatalyst for oxygen reduction reaction. <i>Chemical Science</i> , 2016 , 7, 4167-4173	9.4	85
151	A Nanoscale Multichannel Closed Bipolar Electrode Array for Electrochemiluminescence Sensing Platform. <i>Analytical Chemistry</i> , 2016 , 88, 945-51	7.8	74
150	Small Molecule APY606 Displays Extensive Antitumor Activity in Pancreatic Cancer via Impairing Ras-MAPK Signaling. <i>PLoS ONE</i> , 2016 , 11, e0155874	3.7	5
149	Facile synthesis of optical pH-sensitive molybdenum disulfide quantum dots. <i>Nanoscale</i> , 2016 , 8, 15152-7.7		32

148	Identifying Reactive Sites and Transport Limitations of Oxygen Reactions in Aprotic Lithium-O ₂ Batteries at the Stage of Sudden Death. <i>Angewandte Chemie</i> , 2016 , 128, 5287-5291	3.6	19
147	A Renewable Display Platform Based on the Bipolar Electrochromic Electrode. <i>ChemElectroChem</i> , 2016 , 3, 383-386	4.3	21
146	Identifying Reactive Sites and Transport Limitations of Oxygen Reactions in Aprotic Lithium-O ₂ Batteries at the Stage of Sudden Death. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 5201-5	16.4	128
145	Hybrid of g-CN Assisted Metal-Organic Frameworks and Their Derived High-Efficiency Oxygen Reduction Electrocatalyst in the Whole pH Range. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 35281-35288	12.5	79
144	Electrochromic sensing platform based on steric hindrance effects for CEA detection. <i>Analyst, The</i> , 2016 , 141, 3985-8	5	25
143	Polydopamine Nanotubes as an Effective Fluorescent Quencher for Highly Sensitive and Selective Detection of Biomolecules Assisted with Exonuclease III Amplification. <i>Analytical Chemistry</i> , 2016 , 88, 9158-65	7.8	60
142	Electrocatalytic hydrogen evolution using the MS@MoS ₂ /rGO (M = Fe or Ni) hybrid catalyst. <i>Chemical Communications</i> , 2016 , 52, 11795-11798	5.8	31
141	G-quadruplex/protoporphyrin IX-functionalized silver nanoconjugates for targeted cancer cell photodynamic therapy. <i>RSC Advances</i> , 2016 , 6, 96942-96945	3.7	6
140	I-motif-stapled and spacer-dependent multiple DNA nanostructures. <i>RSC Advances</i> , 2016 , 6, 87021-87025	3.7	4
139	DNA-based visual majority logic gate with one-vote veto function. <i>Chemical Science</i> , 2015 , 6, 1973-1978	9.4	59
138	Bimetallic PdPt nanowire networks with enhanced electrocatalytic activity for ethylene glycol and glycerol oxidation. <i>Energy and Environmental Science</i> , 2015 , 8, 2910-2915	35.4	240
137	A label-free fluorescent molecular beacon based on DNA-Ag nanoclusters for the construction of versatile Biosensors. <i>Biosensors and Bioelectronics</i> , 2015 , 74, 318-21	11.8	62
136	Implementation of Arithmetic Functions on a Simple and Universal Molecular Beacon Platform. <i>Advanced Science</i> , 2015 , 2, 1500054	13.6	31
135	Bare conical nanopore embedded in polymer membrane for Cr(III) sensing. <i>Talanta</i> , 2015 , 140, 219-225	6.2	14
134	Portable and visual electrochemical sensor based on the bipolar light emitting diode electrode. <i>Analytical Chemistry</i> , 2015 , 87, 4612-6	7.8	31
133	Trimetallic PtCuCo hollow nanospheres with a dendritic shell for enhanced electrocatalytic activity toward ethylene glycol electrooxidation. <i>Nanoscale</i> , 2015 , 7, 9985-9	7.7	73
132	Gas-breathing polymer film for constructing switchable ionic diodes. <i>RSC Advances</i> , 2015 , 5, 35622-35630	3.7	13
131	Facile synthesis of PtCu nanowires with enhanced electrocatalytic activity. <i>Nano Research</i> , 2015 , 8, 2308-2316	13.6	83

130	Carbon supported trimetallic nickel-palladium-gold hollow nanoparticles with superior catalytic activity for methanol electrooxidation. <i>Journal of Power Sources</i> , 2015 , 285, 12-15	8.9	39
129	Functionalized graphene/Fe ₃ O ₄ supported AuPt alloy as a magnetic, stable and recyclable catalyst for a catalytic reduction reaction. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 8793-8799	13	37
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