

# Erkang Wang

## List of Publications by Year in descending order

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274  
papers

18,307  
citations

19636  
61  
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15249  
126  
g-index

280  
all docs

280  
docs citations

280  
times ranked

20041  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hot Electron-Induced Electrochemiluminescence with Dimethyl Silicone Oil Coated Electrode for the Determination of Puerarin. <i>Electroanalysis</i> , 2022, 34, 1877-1883.	1.5	2
2	Hunting the Culprits: Reactive Oxygen Species in Aprotic Lithium-Oxygen Batteries. <i>Journal of Physical Chemistry C</i> , 2022, 126, 1243-1255.	1.5	11
3	Facile one-step synthesis of NIR-Responsive siRNA-Inorganic hybrid nanoplatfrom for imaging-guided photothermal and gene synergistic therapy. <i>Biomaterials</i> , 2022, 282, 121404.	5.7	13
4	Midas Touch: Engineering Activity of Metal-Organic Frameworks via Coordination for Biosensing. <i>Analytical Chemistry</i> , 2022, 94, 1465-1473.	3.2	12
5	Signal-On Electrochemical Detection for Drug-Resistant Hepatitis B Virus Mutants through Three-Way Junction Transduction and Exonuclease III-Assisted Catalyzed Hairpin Assembly. <i>Analytical Chemistry</i> , 2022, 94, 600-605.	3.2	11
6	Sensitive and selective detection of Mucin1 in pancreatic cancer using hybridization chain reaction with the assistance of Fe <sub>3</sub> O <sub>4</sub> @polydopamine nanocomposites. <i>Journal of Nanobiotechnology</i> , 2022, 20, 94.	4.2	21
7	Cadmium sulfide as bifunctional mimics of NADH oxidase and cytochrome c reductase takes effect at physiological pH. <i>Nano Research</i> , 2022, 15, 5256-5261.	5.8	12
8	Implementation of logic operations and bioanalysis based on DNA allostery-regulated nanometallic catalysis. <i>Nano Today</i> , 2022, 44, 101476.	6.2	8
9	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.	4.2	11
10	Direct <i>In Situ</i> Spectroscopic Evidence for Solution-Mediated Oxygen Reduction Reaction Intermediates in Aprotic Lithium-Oxygen Batteries. <i>Nano Letters</i> , 2022, 22, 501-507.	4.5	16
11	Identifying Luminol Electrochemiluminescence at the Cathode via Single-Atom Catalysts Tuned Oxygen Reduction Reaction. <i>Journal of the American Chemical Society</i> , 2022, 144, 7741-7749.	6.6	90
12	Phenotypic profiling of pancreatic ductal adenocarcinoma plasma-derived small extracellular vesicles for cancer diagnosis and cancer stage prediction: a proof-of-concept study. <i>Analytical Methods</i> , 2022, 14, 2255-2265.	1.3	6
13	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.	5.2	16
14	Kinetics of the CO <sub>2</sub> reduction reaction in aprotic Li-CO <sub>2</sub> batteries: a model study. <i>Journal of Materials Chemistry A</i> , 2021, 9, 3290-3296.	5.2	29
15	<i>In Situ</i> Fluorogenic Reaction Generated via Ascorbic Acid for the Construction of Universal Sensing Platform. <i>Analytical Chemistry</i> , 2021, 93, 6873-6880.	3.2	20
16	A Solid-State Electrochemiluminescence Sensor Based on Novel Two-Dimensional Ti <sub>3</sub> C <sub>2</sub> MXene. <i>ChemElectroChem</i> , 2021, 8, 1858-1863.	1.7	11
17	Reversible Cycling of Graphite Electrodes in Propylene Carbonate Electrolytes Enabled by Ethyl Isothiocyanate. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 26023-26033.	4.0	12
18	Rational Construction of Ruthenium-Cobalt Oxides Heterostructure in ZIF-Derived Double-Shelled Hollow Polyhedrons for Efficient Hydrogen Evolution Reaction. <i>Small</i> , 2021, 17, e2100998.	5.2	27

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19	Atom-Anchoring Strategy with Metal-Organic Frameworks for Highly Efficient Solid-State Electrochemiluminescence. <i>Analytical Chemistry</i> , 2021, 93, 9628-9633.	3.2	14
20	Recent advances on bipolar electrochemiluminescence in analytical application. <i>Current Analytical Chemistry</i> , 2021, 17, .	0.6	1
21	Emerging Dual-Atomic-Site Catalysts for Efficient Energy Catalysis. <i>Advanced Materials</i> , 2021, 33, e2102576.	11.1	226
22	Supramolecular Anchoring Strategy for Facile Production of Ruthenium Nanoparticles Embedded in N-Doped Mesoporous Carbon Nanospheres for Efficient Hydrogen Generation. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 32997-33005.	4.0	11
23	An intermediate state in trans-differentiation with proliferation, metabolic, and epigenetic switching. <i>IScience</i> , 2021, 24, 103057.	1.9	3
24	Nanozymes: A clear definition with fuzzy edges. <i>Nano Today</i> , 2021, 40, 101269.	6.2	332
25	Highly efficient nanomedicine from cationic antimicrobial peptide-protected Ag nanoclusters. <i>Journal of Materials Chemistry B</i> , 2021, 9, 307-313.	2.9	11
26	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.	1.6	1
27	Ratiometric sensing of alkaline phosphatase based on the catalytical activity from Mn-Fe layered double hydroxide nanosheets. <i>Nanoscale</i> , 2020, 12, 2022-2027.	2.8	23
28	Electrospun Ru-RuO <sub>2</sub> /MoO <sub>3</sub> carbon nanorods with multi-active components: a Pt-like catalyst for the hydrogen evolution reaction. <i>Chemical Communications</i> , 2020, 56, 739-742.	2.2	38
29	Recent Progress of Ruthenium-Based Nanomaterials for Electrochemical Hydrogen Evolution. <i>ChemElectroChem</i> , 2020, 7, 4526-4534.	1.7	22
30	Bifunctional Nanoprobes Used for Label-Free Determination of Cardiac Troponin I. <i>ChemElectroChem</i> , 2020, 7, 4343-4348.	1.7	3
31	Universal Platform for Ratiometric Sensing Based on Catalytically Induced Inner-Filter Effect by Cu <sup>2+</sup> . <i>Analytical Chemistry</i> , 2020, 92, 16066-16071.	3.2	27
32	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.	5.2	23
33	Atomic engineering of single-atom nanozymes for enzyme-like catalysis. <i>Chemical Science</i> , 2020, 11, 9741-9756.	3.7	157
34	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.	5.2	57
35	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.	2.1	13
36	Boosted Oxygen Evolution Reactivity via Atomic Iron Doping in Cobalt Carbonate Hydroxide Hydrate. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 40220-40228.	4.0	42

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37	Propelling DNA Computing with Materialsâ€™ Power: Recent Advancements in Innovative DNA Logic Computing Systems and Smart Bioâ€™Applications. <i>Advanced Science</i> , 2020, 7, 2001766.	5.6	69
38	In Situ Formed Catalytic Interface for Boosting Chemiluminescence. <i>Analytical Chemistry</i> , 2020, 92, 10108-10113.	3.2	26
39	Illuminating Diverse Concomitant DNA Logic Gates and Concatenated Circuits with Hairpin DNAâ€™Templated Silver Nanoclusters as Universal Dualâ€™Output Generators. <i>Advanced Materials</i> , 2020, 32, e1908480.	11.1	41
40	A one-step method to prepare analogue of NiCx for electrochemical water splitting. <i>Electrochemistry Communications</i> , 2020, 114, 106701.	2.3	5
41	A General Method for Transition Metal Single Atoms Anchored on Honeycombâ€™Like Nitrogenâ€™Doped Carbon Nanosheets. <i>Advanced Materials</i> , 2020, 32, e1906905.	11.1	163
42	Sensitive and Multiplexed SERS Nanotags for the Detection of Cytokines Secreted by Lymphoma. <i>ACS Sensors</i> , 2019, 4, 2507-2514.	4.0	37
43	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.	3.5	21
44	An interfacial electron transfer relay center for accelerating the hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2019, 7, 18304-18310.	5.2	19
45	An ent â€™Kaurane Diterpenoid Isolated from <i>Rabdosia excisa</i> Suppresses Bcrâ€™Abl Protein Expression in Vitro and in Vivo and Induces Apoptosis of CML Cells. <i>Chemistry and Biodiversity</i> , 2019, 16, e1900443.	1.0	3
46	Exploration of intramolecular split G-quadruplex and its analytical applications. <i>Nucleic Acids Research</i> , 2019, 47, 9502-9510.	6.5	16
47	Recent progress in Pt and Pd-based hybrid nanocatalysts for methanol electrooxidation. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 21185-21199.	1.3	17
48	Lighting Up the Gold Nanoclusters via Hostâ€™Guest Recognition for High-Efficiency Antibacterial Performance and Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 36831-36838.	4.0	44
49	Ultrathin nanodendrite surrounded PtRuNi nanoframes as efficient catalysts for methanol electrooxidation. <i>Journal of Materials Chemistry A</i> , 2019, 7, 2547-2552.	5.2	39
50	The emergence of the two cell fates and their associated switching for a negative auto-regulating gene. <i>BMC Biology</i> , 2019, 17, 49.	1.7	16
51	A Janus-inspired amphichromatic system that kills two birds with one stone for operating a â€™DNA Janus Logic Pairâ€™(DJLP) library. <i>Chemical Science</i> , 2019, 10, 7290-7298.	3.7	20
52	Glutathione Regulated Inner Filter Effect of MnO<sub>2</sub> Nanosheets on Boron Nitride Quantum Dots for Sensitive Assay. <i>Analytical Chemistry</i> , 2019, 91, 5762-5767.	3.2	97
53	Recent advances in the synthesis and application of copper nanomaterials based on various DNA scaffolds. <i>Biosensors and Bioelectronics</i> , 2019, 132, 333-342.	5.3	43
54	A Molybdenum Carbide Nanotubes Modified Electrode as the Functionalized Sensing Platform for Electrochemical Detection of Dopamine. <i>Electroanalysis</i> , 2019, 31, 922-926.	1.5	3

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55	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.	5.8	18
56	Cationic-Polyelectrolyte-Modified Fluorescent DNA-Silver Nanoclusters with Enhanced Emission and Higher Stability for Rapid Bioimaging. <i>Analytical Chemistry</i> , 2019, 91, 2050-2057.	3.2	55
57	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.	6.4	28
58	Recent Advancements in Transition Metal-Nitrogen-Carbon Catalysts for Oxygen Reduction Reaction. <i>Electroanalysis</i> , 2018, 30, 1217-1228.	1.5	73
59	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.	3.2	94
60	L-tyrosine methyl ester-stabilized carbon dots as fluorescent probes for the assays of biothiols. <i>Analytica Chimica Acta</i> , 2018, 1006, 83-89.	2.6	21
61	Investigation of an eco-friendly aerogel as a substrate for the immobilization of MoS <sub>2</sub> nanoflowers for removal of mercury species from aqueous solutions. <i>Journal of Colloid and Interface Science</i> , 2018, 525, 251-259.	5.0	27
62	Facile fabrication of PdRuPt nanowire networks with tunable compositions as efficient methanol electrooxidation catalysts. <i>Nano Research</i> , 2018, 11, 4348-4355.	5.8	45
63	Construction of surface charge-controlled reduced graphene oxide-loaded Fe <sub>3</sub> O <sub>4</sub> and Pt nanohybrid for peroxidase mimic with enhanced catalytic activity. <i>Analytica Chimica Acta</i> , 2018, 1014, 77-84.	2.6	24
64	Rapid synthesis of Co <sub>3</sub> O <sub>4</sub> nanosheet arrays on Ni foam by <i>in situ</i> electrochemical oxidization of air-plasma engraved Co(OH) <sub>2</sub> for efficient oxygen evolution. <i>Chemical Communications</i> , 2018, 54, 12698-12701.	2.2	31
65	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.	1.5	4
66	Co <sub>3</sub> O <sub>4</sub> /Fe <sub>0.33</sub> Co <sub>0.66</sub> P Interface Nanowire for Enhancing Water Oxidation Catalysis at High Current Density. <i>Advanced Materials</i> , 2018, 30, e1803551.	11.1	150
67	Point-of-Care Diagnoses: Flexible Patterning Technique for Self-Powered Wearable Sensors. <i>Analytical Chemistry</i> , 2018, 90, 11780-11784.	3.2	44
68	Chemiluminescence of CsPbBr <sub>3</sub> Perovskite Nanocrystal on the Hexane/Water Interface. <i>Analytical Chemistry</i> , 2018, 90, 11651-11657.	3.2	31
69	Nanozyme: An emerging alternative to natural enzyme for biosensing and immunoassay. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 105, 218-224.	5.8	513
70	Tackling Grand Challenges of the 21st Century with Electroanalytical Chemistry. <i>Journal of the American Chemical Society</i> , 2018, 140, 10629-10638.	6.6	37
71	A simple, label-free, electrochemical DNA parity generator/checker for error detection during data transmission based on aptamer-nanocluster-modulated protein steric hindrance. <i>Chemical Science</i> , 2018, 9, 6981-6987.	3.7	31
72	Lighting Up the Thioflavin T by Parallel-Stranded TG(GA) <sub>n</sub> DNA Homoduplexes. <i>ACS Sensors</i> , 2018, 3, 1118-1125.	4.0	23

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73	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.	5.8	18
74	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.	7.8	61
75	Cooperative Strategies for Enhancing Performance of Photothermal Therapy (PTT) Agent: Optimizing Its Photothermal Conversion and Cell Internalization Ability. <i>Small</i> , 2017, 13, 1603275.	5.2	49
76	Beyond Conventional Patterns: New Electrochemical Lithography with High Precision for Patterned Film Materials and Wearable Sensors. <i>Analytical Chemistry</i> , 2017, 89, 2569-2574.	3.2	16
77	Theoretical designing and experimental fabricating unique quadruple multimetallic phosphides with remarkable hydrogen evolution performance. <i>Nano Energy</i> , 2017, 34, 421-427.	8.2	31
78	Ultrafine transition metal dichalcogenide nanodots prepared by polyvinylpyrrolidone-assisted liquid phase exfoliation. <i>Journal of Materials Chemistry B</i> , 2017, 5, 2609-2615.	2.9	24
79	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.	5.8	24
80	Recent Advances Based on Nanomaterials as Electrochemiluminescence Probes for the Fabrication of Sensors. <i>ChemElectroChem</i> , 2017, 4, 1639-1650.	1.7	84
81	Bipolar Electrodes with 100% Current Efficiency for Sensors. <i>ACS Sensors</i> , 2017, 2, 320-326.	4.0	61
82	Designing metal-contained enzyme mimics for prodrug activation. <i>Advanced Drug Delivery Reviews</i> , 2017, 118, 78-93.	6.6	36
83	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.	1.7	8
84	P doped Co <sub>2</sub> Mo <sub>3</sub> 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.	5.2	31
85	Positively charged graphene/Fe <sub>3</sub> O <sub>4</sub> /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.	5.8	39
86	Enhanced Electrochemiluminescence Behavior of Gold-Silver Bimetallic Nanoclusters and Its Sensing Application for Mercury(II). <i>Analytical Chemistry</i> , 2017, 89, 7788-7794.	3.2	136
87	Bipolar Electrode Based Reversible Fluorescence Switch Using Prussian Blue/Au Nanoclusters Nanocomposite Film. <i>Analytical Chemistry</i> , 2017, 89, 3867-3872.	3.2	35
88	Water-Based Synthesis of Palladium Trigonal Bipyramidal/Tetrahedral Nanocrystals with Enhanced Electrocatalytic Oxidation Activity. <i>Chemistry - A European Journal</i> , 2017, 23, 5799-5803.	1.7	15
89	A Cake-Style CoS <sub>2</sub> @MoS <sub>2</sub> /RGO Hybrid Catalyst for Efficient Hydrogen Evolution. <i>Advanced Functional Materials</i> , 2017, 27, 1602699.	7.8	231
90	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 &amp; Interfaces</i> , 2017, 9, 1322-1330.	4.0	40

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91	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.	1.0	12
92	An efficient $\text{CoS}_2/\text{CoSe}_2$ hybrid catalyst for electrocatalytic hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2017, 5, 2504-2507.	5.2	91
93	Self-supported ternary $\text{Co}_0.5\text{Mn}_0.5\text{P}$ /carbon cloth (CC) as a high-performance hydrogen evolution electrocatalyst. <i>Nano Research</i> , 2017, 10, 1001-1009.	5.8	39
94	High-Sensitivity Electrochemiluminescence Probe with Molybdenum Carbides as Nanocarriers for $\beta$ -Fetoprotein Sensing. <i>Analytical Chemistry</i> , 2017, 89, 12108-12114.	3.2	77
95	One-step synthesis of well-structured $\text{NiS}_2\text{P}_2\text{S}_6$ nanosheets on nickel foam for efficient overall water splitting. <i>Journal of Materials Chemistry A</i> , 2017, 5, 22131-22136.	5.2	72
96	Lipid-Coated Gold Nanoparticles Functionalized by Folic Acid as Gene Vectors for Targeted Gene Delivery in <i>in vitro</i> and <i>in vivo</i> . <i>ChemMedChem</i> , 2017, 12, 1768-1775.	1.6	34
97	Amorphous $\text{Co}_2\text{B}$ Grown on $\text{CoSe}_2$ Nanosheets as a Hybrid Catalyst for Efficient Overall Water Splitting in Alkaline Medium. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 39312-39317.	4.0	96
98	Morphological and electronic modulation of $\text{NiSe}$ nanosheet assemblies by Mo, S-codoping for an efficient hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2017, 5, 20588-20593.	5.2	29
99	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.	1.7	9
100	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.	3.8	10
101	An intelligent universal system yields double results with half the effort for engineering a DNA $\beta$ -Contrary Logic Pairs-library and various DNA combinatorial logic circuits. <i>Materials Horizons</i> , 2017, 4, 924-931.	6.4	39
102	Introducing Ratiometric Fluorescence to $\text{MnO}_2$ Nanosheet-Based Biosensing: A Simple, Label-Free Ratiometric Fluorescent Sensor Programmed by Cascade Logic Circuit for Ultrasensitive GSH Detection. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 25870-25877.	4.0	168
103	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.	1.6	57
104	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.	3.7	50
105	Tuning the Composition of $\text{PdCuNi}$ Hollow Nanospheres for Low Cost and Efficient Catalyst Towards Glycol Electrooxidation. <i>Electroanalysis</i> , 2017, 29, 682-685.	1.5	9
106	Wire-on-flake heterostructured ternary $\text{Co}_{0.5}\text{Ni}_{0.5}\text{P}/\text{CC}$ : an efficient hydrogen evolution electrocatalyst. <i>Journal of Materials Chemistry A</i> , 2017, 5, 982-987.	5.2	48
107	The origin of potential rise during charging of Li-O <sub>2</sub> batteries. <i>Science China Chemistry</i> , 2017, 60, 1527-1532.	4.2	17
108	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.	1.6	33



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109	Facile synthesis of optical pH-sensitive molybdenum disulfide quantum dots. <i>Nanoscale</i> , 2016, 8, 15152-15157.	2.8	38
110	Identifying Reactive Sites and Transport Limitations of Oxygen Reactions in Aprotic Lithium $\text{O}_2$ Batteries at the Stage of Sudden Death. <i>Angewandte Chemie</i> , 2016, 128, 5287-5291.	1.6	20
111	A Renewable Display Platform Based on the Bipolar Electrochromic Electrode. <i>ChemElectroChem</i> , 2016, 3, 383-386.	1.7	23
112	Identifying Reactive Sites and Transport Limitations of Oxygen Reactions in Aprotic Lithium $\text{O}_2$ Batteries at the Stage of Sudden Death. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 5201-5205.	7.2	147
113	Hybrid of $\text{g-C}_3\text{N}_4$ Assisted Metal-Organic Frameworks and Their Derived High-Efficiency Oxygen Reduction Electrocatalyst in the Whole pH Range. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 35281-35288.	4.0	106
114	Electrochromic sensing platform based on steric hindrance effects for CEA detection. <i>Analyst</i> , The, 2016, 141, 3985-3988.	1.7	28
115	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, 9158-9165.	3.2	78
116	Electrocatalytic hydrogen evolution using the $\text{MS}_2/\text{MoS}_2/\text{rGO}$ (M = Fe or Ni) hybrid catalyst. <i>Chemical Communications</i> , 2016, 52, 11795-11798.	2.2	36
117	G-quadruplex/protoporphyrin IX-functionalized silver nanoconjugates for targeted cancer cell photodynamic therapy. <i>RSC Advances</i> , 2016, 6, 96942-96945.	1.7	6
118	I-motif-stapled and spacer-dependent multiple DNA nanostructures. <i>RSC Advances</i> , 2016, 6, 87021-87025.	1.7	6
119	Transition-Metal (Co, Ni, and Fe)-Based Electrocatalysts for the Water Oxidation Reaction. <i>Advanced Materials</i> , 2016, 28, 9266-9291.	11.1	1,392
120	Integration of DNA and graphene oxide for the construction of various advanced logic circuits. <i>Nanoscale</i> , 2016, 8, 17524-17531.	2.8	23
121	One-Step Synthesis of Platinum Nanochain Networks toward Methanol Electrooxidation. <i>ChemElectroChem</i> , 2016, 3, 2093-2099.	1.7	11
122	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.	5.2	50
123	Molybdenum carbide nanotubes: a novel multifunctional material for label-free electrochemical immunosensing. <i>Nanoscale</i> , 2016, 8, 15303-15308.	2.8	46
124	Spectroscopic Identification of the Au-C Bond Formation upon Electroreduction of an Aryl Diazonium Salt on Gold. <i>Langmuir</i> , 2016, 32, 11514-11519.	1.6	14
125	Multifunctional Graphene/DNA-Based Platform for the Construction of Enzyme-Free Ternary Logic Gates. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 30287-30293.	4.0	32
126	Effective construction of a AuNPs-DNA system for the implementation of various advanced logic gates. <i>RSC Advances</i> , 2016, 6, 106641-106647.	1.7	10



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127	A label-free colorimetric aptasensor for simple, sensitive and selective detection of Pt (II) based on platinum (II)-oligonucleotide coordination induced gold nanoparticles aggregation. Biosensors and Bioelectronics, 2016, 85, 771-776.	5.3	29
128	Engineering the bioelectrochemical interface using functional nanomaterials and microchip technique toward sensitive and portable electrochemical biosensors. Biosensors and Bioelectronics, 2016, 76, 80-90.	5.3	91
129	Bimetallic PdRu nanosponges with a tunable composition for ethylene glycol oxidation. RSC Advances, 2016, 6, 12486-12490.	1.7	30
130	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. Nanoscale, 2016, 8, 3834-3840.	2.8	79
131	Smart modification of the single conical nanochannel to fabricate dual-responsive ion gate by self-initiated photografting and photopolymerization. Talanta, 2016, 149, 280-284.	2.9	7
132	Colorimetric Strategy for Highly Sensitive and Selective Simultaneous Detection of Histidine and Cysteine Based on G-Quadruplex-Cu(II) Metalloenzyme. Analytical Chemistry, 2016, 88, 2899-2903.	3.2	95
133	Self-Powered Bipolar Electrochromic Electrode Arrays for Direct Displaying Applications. Analytical Chemistry, 2016, 88, 2543-2547.	3.2	53
134	Scalable synthesis of Cu-based ultrathin nanowire networks and their electrocatalytic properties. Nanoscale, 2016, 8, 4927-4932.	2.8	35
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