

# Erkang Wang

## List of Publications by Citations

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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	Nanomaterials with enzyme-like characteristics (nanozymes): next-generation artificial enzymes. <i>Chemical Society Reviews</i> , <b>2013</b> , 42, 6060-93	58.5	2161
272	Transition-Metal (Co, Ni, and Fe)-Based Electrocatalysts for the Water Oxidation Reaction. <i>Advanced Materials</i> , <b>2016</b> , 28, 9266-9291	24	1075
271	Metal nanoclusters: New fluorescent probes for sensors and bioimaging. <i>Nano Today</i> , <b>2014</b> , 9, 132-157	17.9	700
270	Monodisperse mesoporous superparamagnetic single-crystal magnetite nanoparticles for drug delivery. <i>Biomaterials</i> , <b>2009</b> , 30, 1881-9	15.6	341
269	Potassium-lead-switched G-quadruplexes: a new class of DNA logic gates. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 15082-3	16.4	339
268	Nanozyme: An emerging alternative to natural enzyme for biosensing and immunoassay. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2018</b> , 105, 218-224	14.6	319
267	A lead(II)-driven DNA molecular device for turn-on fluorescence detection of lead(II) ion with high selectivity and sensitivity. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 13156-7	16.4	317
266	Bimetallic PdPt nanowire networks with enhanced electrocatalytic activity for ethylene glycol and glycerol oxidation. <i>Energy and Environmental Science</i> , <b>2015</b> , 8, 2910-2915	35.4	240
265	Pt/Pd bimetallic nanotubes with petal-like surfaces for enhanced catalytic activity and stability towards ethanol electrooxidation. <i>Energy and Environmental Science</i> , <b>2010</b> , 3, 1307	35.4	186
264	A Cake-Style CoS <sub>2</sub> @MoS <sub>2</sub> /RGO Hybrid Catalyst for Efficient Hydrogen Evolution. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1602699	15.6	182
263	Ratiometric fluorescence detection of tyrosinase activity and dopamine using thiolate-protected gold nanoclusters. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 4897-902	7.8	163
262	One-Step Preparation and Characterization of Poly(propyleneimine) Dendrimer-Protected Silver Nanoclusters. <i>Macromolecules</i> , <b>2004</b> , 37, 7105-7108	5.5	160
261	Detection of hydrazine, methylhydrazine, and isoniazid by capillary electrophoresis with a palladium-modified microdisk array electrode. <i>Analytical Chemistry</i> , <b>1996</b> , 68, 3350-3	7.8	153
260	Facile synthesis of highly active PdAu nanowire networks as self-supported electrocatalyst for ethanol electrooxidation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 9481-7	9.5	143
259	Enzyme-free unlabeled DNA logic circuits based on toehold-mediated strand displacement and split G-quadruplex enhanced fluorescence. <i>Advanced Materials</i> , <b>2013</b> , 25, 2440-4	24	129
258	Identifying Reactive Sites and Transport Limitations of Oxygen Reactions in Aprotic Lithium-O <sub>2</sub> Batteries at the Stage of Sudden Death. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 5201-5	16.4	128
257	One-Step Synthesis and Size Control of Dendrimer-Protected Gold Nanoparticles: A Heat-Treatment-Based Strategy. <i>Macromolecular Rapid Communications</i> , <b>2003</b> , 24, 1024-1028	4.8	127

256	Three-dimensional electrochemical immunosensor for sensitive detection of carcinoembryonic antigen based on monolithic and macroporous graphene foam. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 65, 281-6	11.8	123
255	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 &amp; Interfaces</i> , <b>2017</b> , 9, 25870-25877	9.5	123
254	Assembly of alternating polycation and DNA multilayer films by electrostatic layer-by-layer adsorption. <i>Biomacromolecules</i> , <b>2001</b> , 2, 463-8	6.9	123
253	Co O /Fe Co P Interface Nanowire for Enhancing Water Oxidation Catalysis at High Current Density. <i>Advanced Materials</i> , <b>2018</b> , 30, e1803551	24	115
252	G-quadruplex aptamers with peroxidase-like DNAzyme functions: which is the best and how does it work?. <i>Chemistry - an Asian Journal</i> , <b>2009</b> , 4, 918-22	4.5	111
251	Dendritic Au/Pt and Au/PtCu nanowires with enhanced electrocatalytic activity for methanol electrooxidation. <i>Small</i> , <b>2014</b> , 10, 3262-5	11	108
250	Large scale, templateless, surfactantless route to rapid synthesis of uniform poly(o-phenylenediamine) nanobelts. <i>Chemical Communications</i> , <b>2004</b> , 1182	5.8	108
249	One-step electrochemical approach to the synthesis of Graphene/MnO <sub>2</sub> nanowall hybrids. <i>Nano Research</i> , <b>2011</b> , 4, 648-657	10	107
248	A new approach to light up DNA/Ag nanocluster-based beacons for bioanalysis. <i>Chemical Science</i> , <b>2013</b> , 4, 4004	9.4	102
247	Gold Nanoparticles as Fine Tuners of Electrochemical Properties of the Electrode/Solution Interface. <i>Langmuir</i> , <b>2002</b> , 18, 9947-9952	4	98
246	A General Method for Transition Metal Single Atoms Anchored on Honeycomb-Like Nitrogen-Doped Carbon Nanosheets. <i>Advanced Materials</i> , <b>2020</b> , 32, e1906905	24	97
245	Nanozymes: A clear definition with fuzzy edges. <i>Nano Today</i> , <b>2021</b> , 40, 101269	17.9	97
244	Enhanced Electrochemiluminescence Behavior of Gold-Silver Bimetallic Nanoclusters and Its Sensing Application for Mercury(II). <i>Analytical Chemistry</i> , <b>2017</b> , 89, 7788-7794	7.8	94
243	Four-way junction-driven DNA strand displacement and its application in building majority logic circuit. <i>ACS Nano</i> , <b>2013</b> , 7, 10211-7	16.7	88
242	Colorimetric Strategy for Highly Sensitive and Selective Simultaneous Detection of Histidine and Cysteine Based on G-Quadruplex-Cu(II) Metalloenzyme. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 2899-903	7.8	87
241	Noble-metal-free CoS-S/G porous hybrids as an efficient electrocatalyst for oxygen reduction reaction. <i>Chemical Science</i> , <b>2016</b> , 7, 4167-4173	9.4	85
240	Facile synthesis of PtCu nanowires with enhanced electrocatalytic activity. <i>Nano Research</i> , <b>2015</b> , 8, 2308-2316	11.8	83
239	Highly sensitive and specific colorimetric detection of cancer cells via dual-aptamer target binding strategy. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 73, 1-6	11.8	83

238	Methods to study the ionic conductivity of polymeric electrolytes using a.c. impedance spectroscopy. <i>Journal of Solid State Electrochemistry</i> , <b>2001</b> , 6, 8-15	2.6	83
237	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 &amp; Interfaces</i> , <b>2016</b> , 8, 35281-35288	9.5	79
236	Engineering the bioelectrochemical interface using functional nanomaterials and microchip technique toward sensitive and portable electrochemical biosensors. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 76, 80-90	11.8	78
235	Recent advances in new luminescent nanomaterials for electrochemiluminescence sensors. <i>RSC Advances</i> , <b>2012</b> , 2, 3579	3.7	75
234	A Nanoscale Multichannel Closed Bipolar Electrode Array for Electrochemiluminescence Sensing Platform. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 945-51	7.8	74
233	Glutathione Regulated Inner Filter Effect of MnO Nanosheets on Boron Nitride Quantum Dots for Sensitive Assay. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 5762-5767	7.8	73
232	Trimetallic PtCuCo hollow nanospheres with a dendritic shell for enhanced electrocatalytic activity toward ethylene glycol electrooxidation. <i>Nanoscale</i> , <b>2015</b> , 7, 9985-9	7.7	73
231	Recent Advances Based on Nanomaterials as Electrochemiluminescence Probes for the Fabrication of Sensors. <i>ChemElectroChem</i> , <b>2017</b> , 4, 1639-1650	4.3	72
230	An efficient CoS <sub>2</sub> /CoSe <sub>2</sub> hybrid catalyst for electrocatalytic hydrogen evolution. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 2504-2507	13	71
229	Boron Nitride Quantum Dots as Efficient Coreactant for Enhanced Electrochemiluminescence of Ruthenium(II) Tris(2,2'-bipyridyl). <i>Analytical Chemistry</i> , <b>2018</b> , 90, 2141-2147	7.8	71
228	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> , <b>2016</b> , 8, 3834-40	7.7	70
227	A Novel Urchinlike Gold/Platinum Hybrid Nanocatalyst with Controlled Size. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 13510-13515	3.8	65
226	Amorphous CoB Grown on CoSe Nanosheets as a Hybrid Catalyst for Efficient Overall Water Splitting in Alkaline Medium. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 39312-39317	9.5	63
225	Exploring the Dynamic Functional Landscape of Adenylate Kinase Modulated by Substrates. <i>Journal of Chemical Theory and Computation</i> , <b>2013</b> , 9, 84-95	6.4	63
224	A label-free fluorescent molecular beacon based on DNA-Ag nanoclusters for the construction of versatile Biosensors. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 74, 318-21	11.8	62
223	High-Sensitivity Electrochemiluminescence Probe with Molybdenum Carbides as Nanocarriers for Fetoprotein Sensing. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 12108-12114	7.8	61
222	Polydopamine Nanotubes as an Effective Fluorescent Quencher for Highly Sensitive and Selective Detection of Biomolecules Assisted with Exonuclease III Amplification. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 9158-65	7.8	60
221	DNA-based visual majority logic gate with one-vote veto function. <i>Chemical Science</i> , <b>2015</b> , 6, 1973-1978	9.4	59

220	Simultaneous Determination of Tramadol and Lidocaine in Urine by End-column Capillary Electrophoresis with Electrochemiluminescence Detection. <i>Electroanalysis</i> , <b>2002</b> , 14, 1571-1576	3	59
219	One-step synthesis of well-structured Ni <sub>3</sub> Ni <sub>2</sub> P <sub>2</sub> S <sub>6</sub> nanosheets on nickel foam for efficient overall water splitting. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 22131-22136	13	58
218	Synthesis of PtNPs/AQ/Ru(bpy) <sub>3</sub> (2+) colloid and its application as a sensitive solid-state electrochemiluminescence sensor material. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 21662-6	3-4	57
217	Ion channel behavior of supported bilayer lipid membranes on a glassy carbon electrode. <i>Analytical Chemistry</i> , <b>2000</b> , 72, 6030-3	7.8	53
216	Recent Advancements in Transition Metal-Nitrogen-Carbon Catalysts for Oxygen Reduction Reaction. <i>Electroanalysis</i> , <b>2018</b> , 30, 1217-1228	3	52
215	Atomic engineering of single-atom nanozymes for enzyme-like catalysis. <i>Chemical Science</i> , <b>2020</b> , 11, 9741-9756	10.2	52
214	Unlocking the energy capabilities of micron-sized LiFePO <sub>4</sub> . <i>Nature Communications</i> , <b>2015</b> , 6, 7898	17.4	51
213	Synthesis of phospholipid monolayer membrane functionalized graphene for drug delivery. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 20634		51
212	Emerging Dual-Atomic-Site Catalysts for Efficient Energy Catalysis. <i>Advanced Materials</i> , <b>2021</b> , 33, e2102576	17.6	51
211	Energetic carbon-based hybrids: green and facile synthesis from soy milk and extraordinary electrocatalytic activity towards ORR. <i>Nanoscale</i> , <b>2014</b> , 6, 2964-70	7.7	49
210	Implementation of half adder and half subtractor with a simple and universal DNA-based platform. <i>NPG Asia Materials</i> , <b>2013</b> , 5, e76-e76	10.3	49
209	A resettable and reprogrammable DNA-based security system to identify multiple users with hierarchy. <i>ACS Nano</i> , <b>2014</b> , 8, 2796-803	16.7	48
208	How to split a G-quadruplex for DNA detection: new insight into the formation of DNA split G-quadruplex. <i>Chemical Science</i> , <b>2015</b> , 6, 4822-4827	9.4	48
207	High-Sensitivity Determination of Lead(II) and Cadmium(II) Based on the CNTs-PSS/Bi Composite Film Electrode. <i>Electroanalysis</i> , <b>2010</b> , 22, 1682-1687	3	48
206	Self-Powered Bipolar Electrochromic Electrode Arrays for Direct Displaying Applications. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 2543-7	7.8	47
205	One-pot synthesis of monodispersed ZnS nanospheres with high antibacterial activity. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 9215		47
204	Bipolar Electrodes with 100% Current Efficiency for Sensors. <i>ACS Sensors</i> , <b>2017</b> , 2, 320-326	9.2	46
203	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> , <b>2017</b> , 7, 4499	4.9	46

202	A DNA-based parity generator/checker for error detection through data transmission with visual readout and an output-correction function. <i>Chemical Science</i> , <b>2017</b> , 8, 1888-1895	9.4	44
201	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> , <b>2016</b> , 52, 3766-9	5.8	43
200	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> , <b>2016</b> , 4, 14364-14370	13	41
199	Wire-on-flake heterostructured ternary Co <sub>0.5</sub> Ni <sub>0.5</sub> P/CC: an efficient hydrogen evolution electrocatalyst. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 982-987	13	41
198	Cationic-Polyelectrolyte-Modified Fluorescent DNA-Silver Nanoclusters with Enhanced Emission and Higher Stability for Rapid Bioimaging. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 2050-2057	7.8	41
197	Self-Crosslink Method for a Straightforward Synthesis of Poly(Vinyl Alcohol)-Based Aerogel Assisted by Carbon Nanotube. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1604423	15.6	40
196	Label-free electrochemical aptasensor constructed by layer-by-layer technology for sensitive and selective detection of cancer cells. <i>Analytica Chimica Acta</i> , <b>2015</b> , 882, 32-7	6.6	40
195	Formation of o-Phenylenediamine Oligomers and their Self-Assembly into One-Dimensional Structures in Aqueous Medium. <i>Macromolecular Rapid Communications</i> , <b>2005</b> , 26, 1504-1508	4.8	40
194	Carbon supported trimetallic nickel-palladium-gold hollow nanoparticles with superior catalytic activity for methanol electrooxidation. <i>Journal of Power Sources</i> , <b>2015</b> , 285, 12-15	8.9	39
193	Molybdenum carbide nanotubes: a novel multifunctional material for label-free electrochemical immunosensing. <i>Nanoscale</i> , <b>2016</b> , 8, 15303-8	7.7	39
192	Engineering DNA Three-Way Junction with Multifunctional Moieties: Sensing Platform for Bioanalysis. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 11295-300	7.8	38
191	Functionalized graphene/Fe <sub>3</sub> O <sub>4</sub> supported AuPt alloy as a magnetic, stable and recyclable catalyst for a catalytic reduction reaction. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 8793-8799	13	37
190	Determination of Reserpine in Urine by Capillary Electrophoresis with Electrochemiluminescence Detection. <i>Electroanalysis</i> , <b>2004</b> , 16, 169-174	3	37
189	Electrochemical Detection of Methimazole by Capillary Electrophoresis at a Carbon Fiber Microdisk Electrode. <i>Electroanalysis</i> , <b>2005</b> , 17, 1675-1680	3	37
188	Facile fabrication of PdRuPt nanowire networks with tunable compositions as efficient methanol electrooxidation catalysts. <i>Nano Research</i> , <b>2018</b> , 11, 4348-4355	10	36
187	Fabrication and characterization of SERS-active silver clusters on glassy carbon. <i>Journal of Raman Spectroscopy</i> , <b>2007</b> , 38, 515-521	2.3	34
186	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> , <b>2017</b> , 9, 1322-1330	9.5	33
185	Scalable synthesis of Cu-based ultrathin nanowire networks and their electrocatalytic properties. <i>Nanoscale</i> , <b>2016</b> , 8, 4927-32	7.7	33



184	Electrocatalytic oxidation and amperometric determination of sulfhydryl compounds at a copper hexacyanoferrate film glassy carbon electrode in liquid chromatography. <i>Electroanalysis</i> , <b>1994</b> , 6, 29-35	3	33
183	Self-supported ternary Co <sub>0.5</sub> Mn <sub>0.5</sub> P/carbon cloth (CC) as a high-performance hydrogen evolution electrocatalyst. <i>Nano Research</i> , <b>2017</b> , 10, 1001-1009	10	32
182	Photoelectrochemical Characteristics Of Fe <sub>2</sub> O <sub>3</sub> Nanocrystalline Semiconductor Thin Film. <i>Journal of Nanoparticle Research</i> , <b>2000</b> , 2, 191-198	2.3	32
181	The use of chemically modified electrodes for liquid chromatography and flow-injection analysis. <i>Electroanalysis</i> , <b>1991</b> , 3, 1-11	3	32
180	Facile synthesis of optical pH-sensitive molybdenum disulfide quantum dots. <i>Nanoscale</i> , <b>2016</b> , 8, 15152-7	7.7	32
179	Point-of-Care Diagnoses: Flexible Patterning Technique for Self-Powered Wearable Sensors. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 11780-11784	7.8	32
178	Implementation of Arithmetic Functions on a Simple and Universal Molecular Beacon Platform. <i>Advanced Science</i> , <b>2015</b> , 2, 1500054	13.6	31
177	Portable and visual electrochemical sensor based on the bipolar light emitting diode electrode. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 4612-6	7.8	31
176	Propelling DNA Computing with Materials' Power: Recent Advancements in Innovative DNA Logic Computing Systems and Smart Bio-Applications. <i>Advanced Science</i> , <b>2020</b> , 7, 2001766	13.6	31
175	Electrocatalytic hydrogen evolution using the MS@MoS <sub>2</sub> /rGO (M = Fe or Ni) hybrid catalyst. <i>Chemical Communications</i> , <b>2016</b> , 52, 11795-11798	5.8	31
174	Cooperative Strategies for Enhancing Performance of Photothermal Therapy (PTT) Agent: Optimizing Its Photothermal Conversion and Cell Internalization Ability. <i>Small</i> , <b>2017</b> , 13, 1603275	11	30
173	DNA-based advanced logic circuits for nonarithmetic information processing. <i>NPG Asia Materials</i> , <b>2015</b> , 7, e166-e166	10.3	30
172	An intelligent universal system yields double results with half the effort for engineering a DNA Conjunction Logic Pairs Library and various DNA combinatorial logic circuits. <i>Materials Horizons</i> , <b>2017</b> , 4, 924-931	14.4	30
171	A DNA-based and electrochemically transduced keypad lock system with reset function. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 14939-42	4.8	30
170	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> , <b>2017</b> , 10, 2280-2295	10	29
169	Bipolar Electrode Based Reversible Fluorescence Switch Using Prussian Blue/Au Nanoclusters Nanocomposite Film. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 3867-3872	7.8	29
168	RuTe/M (M = Pt, Pd) nanoparticle nanotubes with enhanced electrocatalytic activity. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 13642-13647	13	29
167	Novel Te/Pt Hybrid Nanowire with Nanoporous Surface: A Catalytically Active Nanoelectrocatalyst. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 4797-4802	3.8	29

166	Oriented polyoxometalate polycation multilayers on a carbon substrate. <i>Journal of Materials Chemistry</i> , <b>2000</b> , 10, 2727-2733		29
165	Lighting Up the Gold Nanoclusters via Host-Guest Recognition for High-Efficiency Antibacterial Performance and Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 36831-36838	9.5	28
164	Analytical potential of gold nanoparticles in functional aptamer-based biosensors. <i>Bioanalytical Reviews</i> , <b>2010</b> , 1, 187-208	1	28
163	Gram-Scale, Low-Cost, Rapid Fabrication of High-Quality Width-Controlled One-Dimensional Conducting Polymer Nanobelts. <i>Chemistry of Materials</i> , <b>2007</b> , 19, 4621-4623	9.6	28
162	Recent advances in the synthesis and application of copper nanomaterials based on various DNA scaffolds. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 132, 333-342	11.8	27
161	Bimetallic PdRu nanosponges with a tunable composition for ethylene glycol oxidation. <i>RSC Advances</i> , <b>2016</b> , 6, 12486-12490	3.7	27
160	Tackling Grand Challenges of the 21st Century with Electroanalytical Chemistry. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 10629-10638	16.4	27
159	Enhanced surface plasmon resonance immunosensing using a streptavidin-biotinylated protein complex. <i>Analyst, The</i> , <b>2001</b> , 126, 4-6	5	27
158	Designing metal-contained enzyme mimics for prodrug activation. <i>Advanced Drug Delivery Reviews</i> , <b>2017</b> , 118, 78-93	18.5	26
157	Lipid-Coated Gold Nanoparticles Functionalized by Folic Acid as Gene Vectors for Targeted Gene Delivery in vitro and in vivo. <i>ChemMedChem</i> , <b>2017</b> , 12, 1768-1775	3.7	26
156	Multifunctional Graphene/DNA-Based Platform for the Construction of Enzyme-Free Ternary Logic Gates. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 30287-30293	9.5	26
155	Electrocatalytic oxidation and flow detection of hydrazine compounds in liquid chromatography at a vitamin B-12 adsorbed glassy carbon electrode. <i>Electroanalysis</i> , <b>1992</b> , 4, 473-479	3	26
154	Functionalized Graphene@Gold Nanostar/Lipid for Pancreatic Cancer Gene and Photothermal Synergistic Therapy under Photoacoustic/Photothermal Imaging Dual-Modal Guidance. <i>Small</i> , <b>2020</b> , 16, e2003707	11	26
153	Theoretical designing and experimental fabricating unique quadruple multimetallic phosphides with remarkable hydrogen evolution performance. <i>Nano Energy</i> , <b>2017</b> , 34, 421-427	17.1	25
152	Ultrathin nanodendrite surrounded PtRuNi nanoframes as efficient catalysts for methanol electrooxidation. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 2547-2552	13	25
151	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> , <b>2017</b> , 8, 959	5.6	25
150	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> , <b>2018</b> , 9, 6981-6987	9.4	25
149	Interdigitated Phospholipid/Alkanethiol Bilayers Assembled on APTMS-Supported Gold Colloid Electrodes. <i>Electroanalysis</i> , <b>2004</b> , 16, 127-131	3	25



148	Electrochromic sensing platform based on steric hindrance effects for CEA detection. <i>Analyst, The</i> , <b>2016</b> , 141, 3985-8	5	25
147	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> , <b>2016</b> , 85, 771-776	11.8	24
146	PolyUbiquitin chain linkage topology selects the functions from the underlying binding landscape. <i>PLoS Computational Biology</i> , <b>2014</b> , 10, e1003691	5	24
145	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> , <b>2017</b> , 5, 12043-12047	13	23
144	PEI/ZrO <sub>2</sub> -coated nanopore for selective and sensitive detection of ATP in combination with single-walled carbon nanotubes. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 63, 287-293	11.8	23
143	Illuminating Diverse Concomitant DNA Logic Gates and Concatenated Circuits with Hairpin DNA-Templated Silver Nanoclusters as Universal Dual-Output Generators. <i>Advanced Materials</i> , <b>2020</b> , 32, e1908480	24	23
142	Multi-walled carbon nanotube supported Pd nanocubes with enhanced electrocatalytic activity. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 4485-4489	13	23
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