

# Yuanjian Zhang

## 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.

292  
papers

19,928  
citations

70  
h-index

133  
g-index

332  
ext. papers

22,489  
ext. citations

8.3  
avg, IF

7.2  
L-index

#	Paper	IF	Citations
292	Reactive Multilayers and Coatings Fabricated by Spray Assembly: Influence of Polymer Structure and Process Parameters on Multiscale Structure and Interfacial Properties. <i>Chemistry of Materials</i> , <b>2022</b> , 34, 1245-1258	9.6	1
291	Continuous Fabrication of Slippery Liquid-Infused Coatings on Rolls of Flexible Materials. <i>ACS Applied Polymer Materials</i> , <b>2022</b> , 4, 787-795	4.3	4
290	Quantum dots for electrochemiluminescence bioanalysis - A review.. <i>Analytica Chimica Acta</i> , <b>2022</b> , 1209, 339140	6.6	3
289	Novel direct growth of ZIF-67 derived CoO and N-doped carbon composites on carbon cloth as supercapacitor electrodes. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 608, 493-503	9.3	4
288	TFEB-lysosome pathway activation is associated with different cell death responses to carbon quantum dots in Kupffer cells and hepatocytes.. <i>Particle and Fibre Toxicology</i> , <b>2022</b> , 19, 31	8.4	
287	Polymeric carbon nitride-based materials: Rising stars in bioimaging. <i>Biosensors and Bioelectronics</i> , <b>2022</b> , 114370	11.8	0
286	Cascaded Nanozyme System with High Reaction Selectivity by Substrate Screening and Channeling in a Microfluidic Device*. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 61, e202112453	16.4	3
285	A yolk-shell structured CoS <sub>2</sub> @NC@CNC with double carbon shell coating from confined derivatization of ZIF-67 growth in carbon nanocages for superior Li storage. <i>Electrochimica Acta</i> , <b>2021</b> , 371, 137773	6.7	6
284	Systematic synthesis of ZIF-67 derived Co <sub>3</sub> O <sub>4</sub> and N-doped carbon composite for supercapacitors via successive oxidation and carbonization. <i>Electrochimica Acta</i> , <b>2021</b> , 376, 137986	6.7	9
283	Synthesizing novel NH <sub>4</sub> CoxNi <sub>1-x</sub> F <sub>3</sub> as electroactive material for supercapacitors using 2-methylimidazole: Study of reaction durations. <i>Journal of Power Sources</i> , <b>2021</b> , 494, 229754	8.9	6
282	Target-Specific Magnetic Resonance Imaging of Human Prostate Adenocarcinoma Using NaDyF-NaGdF Core-Shell Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 24345-24355	9.5	2
281	A Dual Functional Self-Enhanced Electrochemiluminescent Nanohybrid for Label-Free MicroRNA Detection. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 8971-8977	7.8	12
280	Carbon NitrideBased Biosensors <b>2021</b> , 175-225		2
279	Enhanced energy storage ability of UIO66 active material on acid-treated carbon cloth for flexible supercapacitors. <i>Electrochimica Acta</i> , <b>2021</b> , 380, 138241	6.7	4
278	Water Molecule-Triggered Anisotropic Deformation of Carbon Nitride Nanoribbons Enabling Contactless Respiratory Inspection. <i>CCS Chemistry</i> , <b>2021</b> , 3, 1615-1625	7.2	13
277	Carbon nitride of five-membered rings with low optical bandgap for photoelectrochemical biosensing. <i>Chem</i> , <b>2021</b> ,	16.2	17
276	Rational design of robust nano-Si/graphite nanocomposites anodes with strong interfacial adhesion for high-performance lithium-ion batteries. <i>Chinese Chemical Letters</i> , <b>2021</b> , 32, 910-913	8.1	3

275	Combinations with Allosteric SHP2 Inhibitor TNO155 to Block Receptor Tyrosine Kinase Signaling. <i>Clinical Cancer Research</i> , <b>2021</b> , 27, 342-354	12.9	26
274	PCN-222@g-CN cathodic materials for "signal-off" photoelectrochemical sensing of kanamycin sulfate.. <i>RSC Advances</i> , <b>2021</b> , 11, 28320-28325	3.7	1
273	Universal strategy using environment-friendly inorganic compounds for the preparation of porous carbon nitride for efficient photocatalytic hydrogen production and environmental remediation. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 4303-4310	3.6	1
272	QM calculations predict the energetics and infrared spectra of transient glutamine isomers in LOV photoreceptors. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 13934-13950	3.6	1
271	Bound oxygen-atom transfer endows peroxidase-mimic M-N-C with high substrate selectivity. <i>Chemical Science</i> , <b>2021</b> , 12, 8865-8871	9.4	10
270	Metal-doped carbon nitrides: synthesis, structure and applications. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 11876-11892	3.6	10
269	Unraveling fundamental active units in carbon nitride for photocatalytic oxidation reactions. <i>Nature Communications</i> , <b>2021</b> , 12, 320	17.4	55
268	Understanding the Noncollinear Antiferromagnetic IrMn <sub>3</sub> Surfaces and Their Exchange-Biased Heterostructures from First-Principles. <i>ACS Applied Electronic Materials</i> , <b>2021</b> , 3, 1086-1096	4	1
267	Efficient pore engineering in carbonized zeolitic imidazolate Framework-8 via chemical and physical methods as active materials for supercapacitors. <i>Journal of Power Sources</i> , <b>2021</b> , 486, 229370	8.9	11
266	Re-Examination of Plotting Analytical Response against Different Forms of Concentration. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 11910-11914	7.8	3
265	Novel Synthesis of Freestanding Carbonized ZIF67/Polymer Nanofiber Electrodes for Supercapacitors via Electrospinning and Pyrolysis Techniques. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 41637-41648	9.5	7
264	Pd Nanoclusters Confined in ZIF-8 Matrixes for Fluorescent Detection of Glucose and Cholesterol. <i>ACS Applied Nano Materials</i> , <b>2021</b> , 4, 9132-9142	5.6	4
263	Facile synthesis of perovskite ZIF67 derivative using ammonia fluoride and comparison with post-treated ZIF67 derivatives on energy storage ability. <i>Electrochimica Acta</i> , <b>2021</b> , 389, 138680	6.7	8
262	Nitrogen-Doped Titanium Monoxide Flexible Membrane for a Low-Cost, Biocompatible, and Durable Raman Scattering Substrate. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 12776-12785	7.8	0
261	Recent advances of functional nucleic acids-based electrochemiluminescent sensing. <i>Biosensors and Bioelectronics</i> , <b>2021</b> , 191, 113462	11.8	8
260	Improving energy storage ability of acid-treated carbon fibers via simple sonication and heat treatments for flexible supercapacitors. <i>Energy Reports</i> , <b>2021</b> , 7, 4205-4213	4.6	3
259	The Fe-N-C Nanozyme with Both Accelerated and Inhibited Biocatalytic Activities Capable of Accessing Drug-Drug Interactions. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 14606-14611	3.6	11
258	Recent Advances of Electrochemiluminescent System in Bioassay. <i>Journal of Analysis and Testing</i> , <b>2020</b> , 4, 57-75	3.2	19

257	The Fe-N-C Nanozyme with Both Accelerated and Inhibited Biocatalytic Activities Capable of Accessing Drug-Drug Interactions. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 14498-14503	16.4	43
256	Facile Preparation of WO Dots with Remarkably Low Toxicity and Uncompromised Activity as Co-reactants for Clinical Diagnosis by Electrochemiluminescence. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 16747-16754	16.4	28
255	Facile Preparation of WO <sub>3</sub> Dots with Remarkably Low Toxicity and Uncompromised Activity as Co-reactants for Clinical Diagnosis by Electrochemiluminescence. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 16890 <sup>3.6</sup>		
254	N-doped carbon dots triggered the induction of ROS-mediated cytoprotective autophagy in Hepa1-6 cells. <i>Chemosphere</i> , <b>2020</b> , 251, 126440	8.4	14
253	Electrochemiluminescent detection of hNQO1 and associated drug screening enabled by futile redox cycle reaction. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 321, 128557	8.5	2
252	Coupling metal-organic framework nanosphere and nanobody for boosted photoelectrochemical immunoassay of Human Epididymis Protein 4. <i>Analytica Chimica Acta</i> , <b>2020</b> , 1107, 145-154	6.6	18
251	Recovery of $\beta$ -Carotene on Graphene Nanoplatelets UiO-66 Nanocomposites. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2020</b> , 65, 821-827	2.8	3
250	Enhanced Surface Area, Graphene Quantum Dots, and Functional Groups for the Simple Acid-Treated Carbon Fiber Electrode of Flexible Fiber-Type Solid-State Supercapacitors without Active Materials. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 2453-2461	8.3	17
249	One-pot electrografting preparation of bifunctionalized carbon nanotubes for sensitive electrochemical immunosensing. <i>Journal of Electroanalytical Chemistry</i> , <b>2020</b> , 860, 113906	4.1	8
248	Single 2D MXene precursor-derived TiO <sub>2</sub> nanosheets with a uniform decoration of amorphous carbon for enhancing photocatalytic water splitting. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 270, 118885 <sup>21.8</sup>		47
247	Reconstructing hydrophobic ZIF-8 crystal into hydrophilic hierarchically-porous nanoflowers as catalyst carrier for nonenzymatic glucose sensing. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 313, 128031	8.5	16
246	MXene Frameworks Promote the Growth and Stability of LiF-Rich Solid-Electrolyte Interphases on Silicon Nanoparticle Bundles. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 18541-18550	9.5	18
245	Resistance to allosteric SHP2 inhibition in FGFR-driven cancers through rapid feedback activation of FGFR. <i>Oncotarget</i> , <b>2020</b> , 11, 265-281	3.3	16
244	Ultrafast Condensation of Carbon Nitride on Electrodes with Exceptional Boosted Photocurrent and Electrochemiluminescence. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 1155-1159	3.6	18
243	Ultrafast Condensation of Carbon Nitride on Electrodes with Exceptional Boosted Photocurrent and Electrochemiluminescence. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 1139-1143	16.4	57
242	Membrane matters: The impact of a nanodisc-bilayer or a detergent microenvironment on the properties of two eubacterial rhodopsins. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2020</b> , 1862, 183113	3.8	9
241	Simultaneous Unlocking Optoelectronic and Interfacial Properties of C for Ultrasensitive Immunosensing by Coupling to Metal-Organic Framework. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 983-990	7.8	33
240	Coupling aptazyme and catalytic hairpin assembly for cascaded dual signal amplified electrochemiluminescence biosensing. <i>Biosensors and Bioelectronics</i> , <b>2020</b> , 150, 111945	11.8	22

239	Space-Confined Synthesis of Yolk@Shell Structured Co <sub>3</sub> O <sub>4</sub> /Nitrogen-Doped Carbon Nanocomposites with Hollow Mesoporous Carbon Nanocages as Advanced Functional Anodes for Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 11153-11163	6.1	12
238	Study of pH value effect on synthesizing UIO-66 and carbonized UIO-66 as active material for solid-state supercapacitors. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2020</b> , 116, 197-204	5.3	4
237	Influence of Side Chain Hydrolysis on the Evolution of Nanoscale Roughness and Porosity in Amine-Reactive Polymer Multilayers. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 6935-6946	9.6	3
236	Molecular engineering of C <sub>x</sub> N <sub>y</sub> : Topologies, electronic structures and multidisciplinary applications. <i>Chinese Chemical Letters</i> , <b>2020</b> , 31, 3047-3054	8.1	25
235	Photo-electrochemical Reduction of Carbon Dioxide into Methanol at CuFeO <sub>2</sub> Nanoparticle-Decorated CuInS <sub>2</sub> Thin-Film Photocathodes. <i>Energy &amp; Fuels</i> , <b>2020</b> , 34, 9914-9922	4.1	5
234	Atomically ordered intermetallic PdZn coupled with Co nanoparticles as a highly dispersed dual catalyst chemically bonded to N-doped carbon for boosting oxygen reduction reaction performance. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 21327-21338	13	6
233	Identification of TNO155, an Allosteric SHP2 Inhibitor for the Treatment of Cancer. <i>Journal of Medicinal Chemistry</i> , <b>2020</b> , 63, 13578-13594	8.3	44
232	Modulating Stereoselectivity through Electrostatic Interactions in a SPINOL-Phosphoric Acid-Catalyzed Synthesis of 2,3-Dihydroquinazolinones. <i>ACS Catalysis</i> , <b>2020</b> , 10, 12292-12299	13.1	9
231	Preparation of carbon nitride nanoparticles by nanoprecipitation method with high yield and enhanced photocatalytic activity. <i>Chinese Chemical Letters</i> , <b>2020</b> , 31, 513-516	8.1	22
230	Hierarchically porous carbon cages synthesized through in situ migration of templates. <i>Chinese Chemical Letters</i> , <b>2020</b> , 31, 303-306	8.1	7
229	Copper Tannic Acid Coordination Nanosheet: A Potent Nanozyme for Scavenging ROS from Cigarette Smoke. <i>Small</i> , <b>2020</b> , 16, e1902123	11	52
228	Promoting condensation kinetics of polymeric carbon nitride for enhanced photocatalytic activities. <i>Chinese Chemical Letters</i> , <b>2020</b> , 31, 115-118	8.1	16
227	High-Performance Sodium-Ion Battery Anode via Rapid Microwave Carbonization of Natural Cellulose Nanofibers with Graphene Initiator. <i>Small</i> , <b>2019</b> , 15, e1901724	11	17
226	Carbon Nitride Co-catalyst Activation Using N-Doped Carbon with Enhanced Photocatalytic H Evolution. <i>Langmuir</i> , <b>2019</b> , 35, 12366-12373	4	13
225	Photoelectrochemical Reduction of CO <sub>2</sub> to Alcohols at CuO/CuFeO <sub>2</sub> Thin Film Electrode. <i>International Journal of Electrochemical Science</i> , <b>2019</b> , 8569-8578	2.2	7
224	Hemicyanine-based near-infrared fluorescent probe for the ultrasensitive detection of hNQO1 activity and discrimination of human cancer cells. <i>Analytica Chimica Acta</i> , <b>2019</b> , 1090, 125-132	6.6	16
223	Optimization of Fused Bicyclic Allosteric SHP2 Inhibitors. <i>Journal of Medicinal Chemistry</i> , <b>2019</b> , 62, 1781-1792	8.9	41
222	6-Amino-3-methylpyrimidinones as Potent, Selective, and Orally Efficacious SHP2 Inhibitors. <i>Journal of Medicinal Chemistry</i> , <b>2019</b> , 62, 1793-1802	8.3	45

221	Helical Contributions Mediate Light-Activated Conformational Change in the LOV2 Domain of Phototropin 1. <i>ACS Omega</i> , <b>2019</b> , 4, 1238-1243	3.9	6
220	Coral-shaped porous LiFePO <sub>4</sub> /graphene hybrids for high rate and all-temperature battery applications. <i>Energy Storage Materials</i> , <b>2019</b> , 21, 457-463	19.4	17
219	Recovery of polyphenols from water using Zr-based metal-organic frameworks and their nanocomposites with graphene nanoplatelets. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2019</b> , 78, 164-171	6.3	7
218	Hot-Tailoring of Carbon Nitride Dots with Redshifted Photoluminescence for Visual Double Text Encryption and Bioimaging. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 10188-10196	4.8	23
217	Photoreaction Dynamics of Red-Shifting Retinal Analogues Reconstituted in Proteorhodopsin. <i>Journal of Physical Chemistry B</i> , <b>2019</b> , 123, 4242-4250	3.4	2
216	Rational Design of the Robust Janus Shell on Silicon Anodes for High-Performance Lithium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 17375-17383	9.5	29
215	Quartz crystal microbalance for telomerase sensing based on gold nanoparticle induced signal amplification. <i>Chemical Communications</i> , <b>2019</b> , 55, 5994-5997	5.8	10
214	Telomerase and poly(ADP-ribose) polymerase-1 activity sensing based on the high fluorescence selectivity and sensitivity of TOTO-1 towards G bases in single-stranded DNA and poly(ADP-ribose). <i>Chemical Science</i> , <b>2019</b> , 10, 3706-3714	9.4	25
213	Highly sensitive fluorescent bioassay of 2,3,7,8-tetrachloro-dibenzo-p-dioxin based on abnormal expression of cytochrome P450 1A2 in human cells. <i>Analytica Chimica Acta</i> , <b>2019</b> , 1046, 179-184	6.6	4
212	Covalent stabilization and functionalization of MXene via silylation reactions with improved surface properties. <i>FlatChem</i> , <b>2019</b> , 17, 100128	5.1	44
211	Quartz Crystal Microbalance Detection of Poly(ADP-ribose) Polymerase-1 Based on Gold Nanorods Signal Amplification. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 11038-11044	7.8	18
210	Communication Lithium-Doped CuFeO <sub>2</sub> Thin Film Electrodes for Photoelectrochemical Reduction of Carbon Dioxide to Methanol. <i>Journal of the Electrochemical Society</i> , <b>2019</b> , 166, H718-H720	3.9	8
209	Promoting Photodegradation Efficiency via a Heterojunction Photocatalyst Combining with Oxygen Direct and Fast Diffusion from the Gas Phase to Active Catalytic Sites. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 44922-44930	9.5	11
208	Bioinspired in Vitro Lung Airway Model for Inflammatory Analysis via Hydrophobic Nanochannel Membrane with Joint Three-Phase Interface. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 15804-15810	7.8	5
207	Harnessing Photoluminescent Properties of Carbon Nitride Nanosheets in a Hierarchical Matrix. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1905576	15.6	19
206	Exfoliation and Sensitization of 2D Carbon Nitride for Photoelectrochemical Biosensing under Red Light. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 15680-15686	4.8	24
205	Engineering of CdTe/SiO <sub>2</sub> nanocomposites: Enhanced signal amplification and biocompatibility for electrochemiluminescent immunoassay of alpha-fetoprotein. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 131, 178-184	11.8	30
204	Boosting the Sensitivity of a Photoelectrochemical Immunoassay by Using SiO <sub>2</sub> @polydopamine Core-Shell Nanoparticles as a Highly Efficient Quencher. <i>ACS Applied Nano Materials</i> , <b>2019</b> , 2, 1579-1588	5.6	27

203	Antimony selenide/graphene oxide composite for sensitive photoelectrochemical detection of DNA methyltransferase activity. <i>Journal of Materials Chemistry B</i> , <b>2019</b> , 7, 6789-6795	7.3	12
202	Non-covalent pre-organization of molecular precursors: A facile approach for engineering structures and activities of pyrolyzed Co-N-C electrocatalysts. <i>Carbon</i> , <b>2019</b> , 144, 312-320	10.4	22
201	Agglomeration-resistant 2D nanoflakes configured with super electronic networks for extraordinary fast and stable sodium-ion storage. <i>Nano Energy</i> , <b>2019</b> , 56, 502-511	17.1	18
200	Molecular engineering of polymeric carbon nitride: advancing applications from photocatalysis to biosensing and more. <i>Chemical Society Reviews</i> , <b>2018</b> , 47, 2298-2321	58.5	362
199	Fast and highly efficient removal of 2,4-D using amino-functionalized poly (glycidyl methacrylate) adsorbent: Optimization, equilibrium, kinetic and thermodynamic studies. <i>Journal of Molecular Liquids</i> , <b>2018</b> , 260, 195-202	6	18
198	Boosted Electrochemical Immunosensing of Genetically Modified Crop Markers Using Nanobody and Mesoporous Carbon. <i>ACS Sensors</i> , <b>2018</b> , 3, 684-691	9.2	26
197	Competitive Multiple-Mechanism-Driven Electrochemiluminescent Detection of 8-Hydroxy-2'-deoxyguanosine. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 2801-2804	16.4	128
196	Highly Sensitive and Quality Self-Testable Electrochemiluminescence Assay of DNA Methyltransferase Activity Using Multifunctional Sandwich-Assembled Carbon Nitride Nanosheets. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 6887-6894	9.5	36
195	Counterions-mediated gold nanorods-based sensor for label-free detection of poly(ADP-ribose) polymerase-1 activity and its inhibitor. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 259, 565-572	8.5	16
194	Dual Allosteric Inhibition of SHP2 Phosphatase. <i>ACS Chemical Biology</i> , <b>2018</b> , 13, 647-656	4.9	81
193	Detection of PARP-1 activity based on hyperbranched-poly (ADP-ribose) polymers responsive current in artificial nanochannels. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 113, 136-141	11.8	12
192	Toward Superior Capacitive Energy Storage: Recent Advances in Pore Engineering for Dense Electrodes. <i>Advanced Materials</i> , <b>2018</b> , 30, e1705713	24	141
191	Solution-based processing of carbon nitride composite for boosted photocatalytic activities. <i>Chinese Chemical Letters</i> , <b>2018</b> , 29, 437-440	8.1	20
190	A biomass derived nitrogen doped carbon fibers as efficient catalysts for the oxygen reduction reaction. <i>Journal of Electroanalytical Chemistry</i> , <b>2018</b> , 824, 60-66	4.1	20
189	A photoelectrochemical immunoassay for tumor necrosis factor- $\alpha$ using a GO-PTCNH <sub>2</sub> nanohybrid as a probe. <i>Journal of Electroanalytical Chemistry</i> , <b>2018</b> , 824, 195-200	4.1	12
188	A sensitive fluorescence turn-off-on biosensor for poly(ADP-ribose) polymerase-1 detection based on cationic conjugated polymer-MnO <sub>2</sub> nanosheets. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 273, 1047-1053	8.5	14
187	Validation of Inner, Second, and Outer Sphere Contributions to T <sub>1</sub> and T <sub>2</sub> Relaxation in Gd <sup>3+</sup> -Based Nanoparticles Using Eu <sup>3+</sup> Lifetime Decay as a Probe. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 11557-11569	3.8	15
186	Assessment of lipid oxidation in cottonseed oil treated with phytonutrients: Kinetic and thermodynamic studies. <i>Industrial Crops and Products</i> , <b>2018</b> , 124, 593-599	5.9	22

185	Manifold methods for telomerase activity detection based on various unique probes. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2018</b> , 105, 404-412	14.6	13
184	Coupled Fluorometer-Potentiostat System and Metal-Free Monochromatic Luminophores for High-Resolution Wavelength-Resolved Electrochemiluminescent Multiplex Bioassay. <i>ACS Sensors</i> , <b>2018</b> , 3, 1362-1367	9.2	33
183	Dissolution and homogeneous photocatalysis of polymeric carbon nitride. <i>Chemical Science</i> , <b>2018</b> , 9, 7912-7915	9.4	29
182	An enzyme cascade-based electrochemical immunoassay using a polydopamine-carbon nanotube nanocomposite for signal amplification. <i>Journal of Materials Chemistry B</i> , <b>2018</b> , 6, 8180-8187	7.3	22
181	Novel Fluorescence Switch for MicroRNA Imaging in Living Cells Based on DNAzyme Amplification Strategy. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 43405-43410	9.5	48
180	Enhanced Metabolic Activity of Cytochrome P450 via Carbon Nanocage-Based Photochemical Bionanoreactor. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 41956-41961	9.5	1
179	Reduction of CO <sub>2</sub> to Ethanol on Cu-In/CuInS <sub>2</sub> Composite Thin Film Photocathode. <i>Journal of the Electrochemical Society</i> , <b>2018</b> , 165, H1066-H1071	3.9	6
178	Fe-N-C Artificial Enzyme: Activation of Oxygen for Dehydrogenation and Monoxygenation of Organic Substrates under Mild Condition and Cancer Therapeutic Application. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 35327-35333	9.5	47
177	Direct Immunoassay for Facile and Sensitive Detection of Small Molecule Aflatoxin B based on Nanobody. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 9869-9876	4.8	43
176	Metal-Free All-Carbon Nanohybrid for Ultrasensitive Photoelectrochemical Immunosensing of alpha-Fetoprotein. <i>ACS Sensors</i> , <b>2018</b> , 3, 1385-1391	9.2	59
175	Construction of Three-Dimensional Hemin-Functionalized Graphene Hydrogel with High Mechanical Stability and Adsorption Capacity for Enhancing Photodegradation of Methylene Blue. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 4006-4014	9.5	71
174	Coupling multiphase-Fe and hierarchical N-doped graphitic carbon as trifunctional electrocatalysts by supramolecular preorganization of precursors. <i>Chemical Communications</i> , <b>2017</b> , 53, 2044-2047	5.8	42
173	Coupling polymorphic nanostructured carbon nitrides into an isotype heterojunction with boosted photocatalytic H evolution. <i>Chemical Communications</i> , <b>2017</b> , 53, 2978-2981	5.8	64
172	Application of Spectral Crosstalk Correction for Improving Multiplexed MicroRNA Detection Using a Single Excitation Wavelength. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 3430-3436	7.8	34
171	Photoelectrocatalytic reduction of carbon dioxide to methanol at cuprous oxide foam cathode. <i>RSC Advances</i> , <b>2017</b> , 7, 24933-24939	3.7	24
170	In Situ Detection and Imaging of Telomerase Activity in Cancer Cell Lines via Disassembly of Plasmonic Core-Satellites Nanostructured Probe. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 7262-7268	7.8	39
169	A novel photoelectrochemical immunosensor by integration of nanobody and ZnO nanorods for sensitive detection of nucleoside diphosphatase kinase-A. <i>Analytica Chimica Acta</i> , <b>2017</b> , 973, 82-90	6.6	32
168	Fabrication of porous graphitic carbon nitride-titanium dioxide heterojunctions with enhanced photo-energy conversion activity. <i>Chinese Chemical Letters</i> , <b>2017</b> , 28, 1312-1317	8.1	15



167	A sensitive, label-free electrochemical detection of telomerase activity without modification or immobilization. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 91, 347-353	11.8	28
166	Construction of iron-polymer-graphene nanocomposites with low nonspecific adsorption and strong quenching ability for competitive immunofluorescent detection of biomarkers in GM crops. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 90, 321-328	11.8	11
165	Visual, Label-Free Telomerase Activity Monitor via Enzymatic Etching of Gold Nanorods. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 12094-12100	7.8	68
164	Electrochemically-driven benzo[a]pyrene metabolism via human cytochrome P450 1A1 with reductase coated nitrogen-doped graphene nano-composites. <i>Journal of Electroanalytical Chemistry</i> , <b>2017</b> , 804, 23-28	4.1	9
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159	Visual and fluorometric determination of telomerase activity by using a cationic conjugated polymer and fluorescence resonance energy transfer. <i>Mikrochimica Acta</i> , <b>2017</b> , 184, 3453-3460	5.8	9
158	Effect of Carbon Supports on Enhancing Mass Kinetic Current Density of Fe-N/C Electrocatalysts. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 14597-14603	4.8	15
157	A biomass derived N/C-catalyst for the electrochemical production of hydrogen peroxide. <i>Chemical Communications</i> , <b>2017</b> , 53, 9994-9997	5.8	70
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150	Label-Free Detection of Telomerase Activity in Urine Using Telomerase-Responsive Porous Anodic Alumina Nanochannels. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 8107-14	7.8	46

149	A label-free ultrasensitive assay of 8-hydroxy-2'-deoxyguanosine in human serum and urine samples via polyaniline deposition and tetrahedral DNA nanostructure. <i>Analytica Chimica Acta</i> , <b>2016</b> , 946, 48-55	6.6	23
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144	Allosteric inhibition of SHP2 phosphatase inhibits cancers driven by receptor tyrosine kinases. <i>Nature</i> , <b>2016</b> , 535, 148-52	50.4	454
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135	Chemically Modulated Carbon Nitride Nanosheets for Highly Selective Electrochemiluminescent Detection of Multiple Metal-ions. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 6004-10	7.8	110
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41	Directing single-walled carbon nanotubes to self-assemble at water/oil interfaces and facilitate electron transfer. <i>Chemical Communications</i> , <b>2008</b> , 4273-5	5.8	30
40	Simultaneous Synthesis of Polyaniline Nanotubules and Gold Nanoplates. <i>Crystal Growth and Design</i> , <b>2008</b> , 8, 1827-1832	3.5	13
39	Electrostatic layer-by-layer a of platinum-loaded multiwall carbon nanotube multilayer: A tunable catalyst film for anodic methanol oxidation. <i>Thin Solid Films</i> , <b>2008</b> , 516, 6531-6535	2.2	23
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37	Direct electron transfer of horseradish peroxidase and its electrocatalysis based on carbon nanotube/thionine/gold composites. <i>Electrochemistry Communications</i> , <b>2008</b> , 10, 306-310	5.1	50
36	Polyelectrolyte-functionalized ionic liquid for electrochemistry in supporting electrolyte-free aqueous solutions and application in amperometric flow injection analysis. <i>Green Chemistry</i> , <b>2007</b> , 9, 746	10	31
35	A base-catalyzed mechanism for dark state recovery in the Avena sativa phototropin-1 LOV2 domain. <i>Biochemistry</i> , <b>2007</b> , 46, 3129-37	3.2	82
34	Thionine-interlinked multi-walled carbon nanotube/gold nanoparticle composites. <i>Carbon</i> , <b>2007</b> , 45, 2111-2115	10.4	108
33	Electrostatic assembly of polyaniline and platinum-poly(amidoamine) dendrimers hybrid nanocomposite multilayer, and its electrocatalysis towards CO and O <sub>2</sub> . <i>Journal of Electroanalytical Chemistry</i> , <b>2007</b> , 599, 127-135	4.1	23
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31	Ultrafast spectroscopy of biological photoreceptors. <i>Current Opinion in Structural Biology</i> , <b>2007</b> , 17, 623-80		92
30	Carbon nanotubes and glucose oxidase bionanocomposite bridged by ionic liquid-like unit: preparation and electrochemical properties. <i>Biosensors and Bioelectronics</i> , <b>2007</b> , 23, 438-43	11.8	81
29	Electropolymerization and catalysis of well-dispersed polyaniline/carbon nanotube/gold composite. <i>Journal of Electroanalytical Chemistry</i> , <b>2007</b> , 599, 121-126	4.1	70
28	Enhanced response induced by polyelectrolyte-functionalized ionic liquid in glucose biosensor based on sol-gel organic/inorganic hybrid material. <i>Journal of Electroanalytical Chemistry</i> , <b>2007</b> , 608, 78-83	4.1	26
27	Preparation of highly conductive, self-assembled gold/polyaniline nanocables and polyaniline nanotubes. <i>Chemistry - A European Journal</i> , <b>2006</b> , 12, 5314-9	4.8	91
26	Design and synthesis of multifunctional materials based on an ionic-liquid backbone. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 5867-70	16.4	132
25	Design and Synthesis of Multifunctional Materials Based on an Ionic-Liquid Backbone. <i>Angewandte Chemie</i> , <b>2006</b> , 118, 5999-6002	3.6	26
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22	An effective approach to synthesis of poly(methyl methacrylate)/silica nanocomposites. <i>Nanotechnology</i> , <b>2006</b> , 17, 4796-4801	3-4	31
21	Synthesis of highly faceted multiply twinned gold nanocrystals stabilized by polyoxometalates. <i>Nanotechnology</i> , <b>2006</b> , 17, 4689-94	3-4	27
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13	Functionalized polydiacetylene-glycolipid vesicles interacted with Escherichia coli under the TiO <sub>2</sub> colloid. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2005</b> , 40, 137-42	6	26
12	Use of atomic force microscopy for imaging the initial stage of the nucleation of calcium phosphate in Langmuir-Blodgett films of stearic acid. <i>Thin Solid Films</i> , <b>2004</b> , 468, 273-279	2-2	6
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10	Functionalization of single-walled carbon nanotubes with Prussian blue. <i>Electrochemistry Communications</i> , <b>2004</b> , 6, 1180-1184	5-1	112
9	Enhanced affinochromism of polydiacetylene monolayer in response to bacteria by incorporating CdS nano-crystallites. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2004</b> , 35, 41-4	6	11
8	Poly-L-lysine Functionalization of Single-Walled Carbon Nanotubes. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 15343-15346	3-4	128
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3	Quantitative evaluation of O <sub>2</sub> activation half-reaction for Fe <sub>3</sub> O <sub>4</sub> in oxidase-like activity enhancement. <i>Catalysis Science and Technology</i> ,	5.5	0
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