

Yuanjian Zhang

List of Publications by Citations

Source: <https://exaly.com/author-pdf/8585258/yuanjian-zhang-publications-by-citations.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Liquid-mediated dense integration of graphene materials for compact capacitive energy storage. <i>Science</i> , 2013 , 341, 534-7	33.3	1473
291	Phosphorus-doped carbon nitride solid: enhanced electrical conductivity and photocurrent generation. <i>Journal of the American Chemical Society</i> , 2010 , 132, 6294-5	16.4	1014
290	Bioinspired effective prevention of restacking in multilayered graphene films: towards the next generation of high-performance supercapacitors. <i>Advanced Materials</i> , 2011 , 23, 2833-8	24	888
289	Activation of carbon nitride solids by protonation: morphology changes, enhanced ionic conductivity, and photoconduction experiments. <i>Journal of the American Chemical Society</i> , 2009 , 131, 50-1	16.4	640
288	Three-dimensional strutted graphene grown by substrate-free sugar blowing for high-power-density supercapacitors. <i>Nature Communications</i> , 2013 , 4, 2905	17.4	514
287	Allosteric inhibition of SHP2 phosphatase inhibits cancers driven by receptor tyrosine kinases. <i>Nature</i> , 2016 , 535, 148-52	50.4	454
286	Reduced TiO ₂ nanotube arrays for photoelectrochemical water splitting. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 5766	13	429
285	One-step solvothermal synthesis of a carbon@TiO ₂ dyad structure effectively promoting visible-light photocatalysis. <i>Advanced Materials</i> , 2010 , 22, 3317-21	24	411
284	Surface modification of upconverting NaYF ₄ nanoparticles with PEG-phosphate ligands for NIR (800 nm) biolabeling within the biological window. <i>Langmuir</i> , 2010 , 26, 1157-64	4	389
283	Quantifying the density and utilization of active sites in non-precious metal oxygen electroreduction catalysts. <i>Nature Communications</i> , 2015 , 6, 8618	17.4	372
282	Non-covalent doping of graphitic carbon nitride polymer with graphene: controlled electronic structure and enhanced optoelectronic conversion. <i>Energy and Environmental Science</i> , 2011 , 4, 4517	35.4	371
281	Size-Tunable, Ultrasmall NaGdF ₄ Nanoparticles: Insights into Their T1MRI Contrast Enhancement. <i>Chemistry of Materials</i> , 2011 , 23, 3714-3722	9.6	368
280	Molecular engineering of polymeric carbon nitride: advancing applications from photocatalysis to biosensing and more. <i>Chemical Society Reviews</i> , 2018 , 47, 2298-2321	58.5	362
279	Sustainable nitrogen-doped carbonaceous materials from biomass derivatives. <i>Carbon</i> , 2010 , 48, 3778-3787	18.4	332
278	Self-focusing by Ostwald ripening: a strategy for layer-by-layer epitaxial growth on upconverting nanocrystals. <i>Journal of the American Chemical Society</i> , 2012 , 134, 11068-71	16.4	290
277	Surface-alkalinization-induced enhancement of photocatalytic H ₂ evolution over SrTiO ₃ -based photocatalysts. <i>Journal of the American Chemical Society</i> , 2012 , 134, 1974-7	16.4	287
276	Facile one-pot synthesis of nanoporous carbon nitride solids by using soft templates. <i>ChemSusChem</i> , 2010 , 3, 435-9	8.3	285

275	Wet chemical synthesis of nitrogen-doped graphene towards oxygen reduction electrocatalysts without high-temperature pyrolysis. <i>Journal of Materials Chemistry</i> , 2012 , 22, 6575		257
274	Dissolution and liquid crystals phase of 2D polymeric carbon nitride. <i>Journal of the American Chemical Society</i> , 2015 , 137, 2179-82	16.4	244
273	Chemical Cleavage of Layered Carbon Nitride with Enhanced Photoluminescent Performances and Photoconduction. <i>ACS Nano</i> , 2015 , 9, 12480-7	16.7	211
272	Self-doped SrTiO ₃ photocatalyst with enhanced activity for artificial photosynthesis under visible light. <i>Energy and Environmental Science</i> , 2011 , 4, 4211	35.4	211
271	Simultaneous Noncovalent Modification and Exfoliation of 2D Carbon Nitride for Enhanced Electrochemiluminescent Biosensing. <i>Journal of the American Chemical Society</i> , 2017 , 139, 11698-11701	16.4	202
270	Primary reactions of the LOV2 domain of phototropin, a plant blue-light photoreceptor. <i>Biochemistry</i> , 2003 , 42, 3385-92	3.2	200
269	Soft and hard templating of graphitic carbon nitride. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 14081-14092	16.2	162
268	Allosteric Inhibition of SHP2: Identification of a Potent, Selective, and Orally Efficacious Phosphatase Inhibitor. <i>Journal of Medicinal Chemistry</i> , 2016 , 59, 7773-82	8.3	150
267	Toward Superior Capacitive Energy Storage: Recent Advances in Pore Engineering for Dense Electrodes. <i>Advanced Materials</i> , 2018 , 30, e1705713	24	141
266	Direct synthesis of nanoporous carbon nitride fibers using Al-based porous coordination polymers (Al-PCPs). <i>Chemical Communications</i> , 2011 , 47, 8124-6	5.8	137
265	Electrochemical functionalization of single-walled carbon nanotubes in large quantities at a room-temperature ionic liquid supported three-dimensional network electrode. <i>Langmuir</i> , 2005 , 21, 4797-800	136	
264	Design and synthesis of multifunctional materials based on an ionic-liquid backbone. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 5867-70	16.4	132
263	Polymeric Carbon Nitrides: Semiconducting Properties and Emerging Applications in Photocatalysis and Photoelectrochemical Energy Conversion. <i>Science of Advanced Materials</i> , 2012 , 4, 282-291	2.3	130
262	Competitive Multiple-Mechanism-Driven Electrochemiluminescent Detection of 8-Hydroxy-2'-deoxyguanosine. <i>Journal of the American Chemical Society</i> , 2018 , 140, 2801-2804	16.4	128
261	Poly-L-lysine Functionalization of Single-Walled Carbon Nanotubes. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 15343-15346	3.4	128
260	Reversible Assembly of Graphitic Carbon Nitride 3D Network for Highly Selective Dyes Absorption and Regeneration. <i>ACS Nano</i> , 2016 , 10, 9036-43	16.7	128
259	Nitrogen- and phosphorus-co-doped carbons with tunable enhanced surface areas promoted by the doping additives. <i>Chemical Communications</i> , 2013 , 49, 1208-10	5.8	124
258	Environment-friendly preparation of porous graphite-phase polymeric carbon nitride using calcium carbonate as templates, and enhanced photoelectrochemical activity. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 5126-5131	13	121

257	An effective polymer cross-linking strategy to obtain stable dispersions of upconverting NaYF ₄ nanoparticles in buffers and biological growth media for biolabeling applications. <i>Langmuir</i> , 2012 , 28, 3239-47	4	121
256	Graphene quantum dots enhanced photocatalytic activity of zinc porphyrin toward the degradation of methylene blue under visible-light irradiation. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 8552-8558	13	119
255	NaDyF ₄ Nanoparticles as T2 Contrast Agents for Ultrahigh Field Magnetic Resonance Imaging. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 524-9	6.4	119
254	A new heterojunction Ag ₃ PO ₄ /Cr-SrTiO ₃ photocatalyst towards efficient elimination of gaseous organic pollutants under visible light irradiation. <i>Applied Catalysis B: Environmental</i> , 2013 , 134-135, 286-292	21.8	116
253	Analysis of the Shell Thickness Distribution on NaYF ₄ /NaGdF ₄ Core/Shell Nanocrystals by EELS and EDS. <i>Journal of Physical Chemistry Letters</i> , 2011 , 2, 185-189	6.4	114
252	Functionalization of single-walled carbon nanotubes with Prussian blue. <i>Electrochemistry Communications</i> , 2004 , 6, 1180-1184	5.1	112
251	Ion-exchange synthesis of a micro/mesoporous Zn ₂ GeO ₄ photocatalyst at room temperature for photoreduction of CO ₂ . <i>Chemical Communications</i> , 2011 , 47, 2041-3	5.8	111
250	Chemically Modulated Carbon Nitride Nanosheets for Highly Selective Electrochemiluminescent Detection of Multiple Metal-ions. <i>Analytical Chemistry</i> , 2016 , 88, 6004-10	7.8	110
249	Thionine-interlinked multi-walled carbon nanotube/gold nanoparticle composites. <i>Carbon</i> , 2007 , 45, 2111-2115	10.4	108
248	Fabrication of liquid-infused surfaces using reactive polymer multilayers: principles for manipulating the behaviors and mobilities of aqueous fluids on slippery liquid interfaces. <i>Advanced Materials</i> , 2015 , 27, 3007-12	24	106
247	Biopolymer-activated graphitic carbon nitride towards a sustainable photocathode material. <i>Scientific Reports</i> , 2013 , 3, 2163	4.9	103
246	Recent advances of doped carbon as non-precious catalysts for oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 15704-15716	13	96
245	Azlactone-Functionalized Polymers as Reactive Platforms for the Design of Advanced Materials: Progress in the Last Ten Years. <i>Polymer Chemistry</i> , 2012 , 3, 66-80	4.9	96
244	Colorimetric detection of influenza A virus using antibody-functionalized gold nanoparticles. <i>Analyst, The</i> , 2015 , 140, 3989-95	5	94
243	Ultrafast spectroscopy of biological photoreceptors. <i>Current Opinion in Structural Biology</i> , 2007 , 17, 623-80		92
242	Synthetic Surfaces with Robust and Tunable Underwater Superoleophobicity. <i>Advanced Functional Materials</i> , 2015 , 25, 1672-1681	15.6	91
241	Preparation of highly conductive, self-assembled gold/polyaniline nanocables and polyaniline nanotubes. <i>Chemistry - A European Journal</i> , 2006 , 12, 5314-9	4.8	91
240	Electrochemiluminescence resonance energy transfer between graphene quantum dots and gold nanoparticles for DNA damage detection. <i>Analyst, The</i> , 2014 , 139, 2404-10	5	89

239	Theoretical design of highly active SrTiO ₃ -based photocatalysts by a codoping scheme towards solar energy utilization for hydrogen production. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 4221	13	87
238	Monoclinic Tungsten Oxide with {100} Facet Orientation and Tuned Electronic Band Structure for Enhanced Photocatalytic Oxidations. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 10367-74	9.5	86
237	Superhydrophobic Thin Films Fabricated by Reactive Layer-by-Layer Assembly of Azlactone-Functionalized Polymers. <i>Chemistry of Materials</i> , 2010 , 22, 6319-6327	9.6	84
236	Oriented nano-structured hydroxyapatite from the template. <i>Chemical Physics Letters</i> , 2003 , 376, 493-497	7.5	84
235	A base-catalyzed mechanism for dark state recovery in the Avena sativa phototropin-1 LOV2 domain. <i>Biochemistry</i> , 2007 , 46, 3129-37	3.2	82
234	Dual Allosteric Inhibition of SHP2 Phosphatase. <i>ACS Chemical Biology</i> , 2018 , 13, 647-656	4.9	81
233	Surface-coordination-induced selective synthesis of cubic and orthorhombic NaNbO ₃ and their photocatalytic properties. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 1185-1191	13	81
232	Carbon nanotubes and glucose oxidase bionanocomposite bridged by ionic liquid-like unit: preparation and electrochemical properties. <i>Biosensors and Bioelectronics</i> , 2007 , 23, 438-43	11.8	81
231	A novel bath lily-like graphene sheet-wrapped nano-Si composite as a high performance anode material for Li-ion batteries. <i>RSC Advances</i> , 2011 , 1, 958	3.7	78
230	Solar-driven photoelectrochemical reduction of carbon dioxide to methanol at CuInS ₂ thin film photocathode. <i>Solar Energy Materials and Solar Cells</i> , 2013 , 108, 170-174	6.4	77
229	Immobilization of ionic liquid with polyelectrolyte as carrier. <i>Chemical Communications</i> , 2005 , 4193-5	5.8	76
228	Potential-Modulated Electrochemiluminescence of Carbon Nitride Nanosheets for Dual-Signal Sensing of Metal Ions. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 23672-8	9.5	74
227	Intrinsically sulfur- and nitrogen-co-doped carbons from thiazolium salts. <i>Chemistry - A European Journal</i> , 2012 , 18, 15416-23	4.8	72
226	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 & Interfaces</i> , 2017 , 9, 4006-4014	9.5	71
225	Synthesis of nanoparticles, their biocompatibility, and toxicity behavior for biomedical applications. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 5186-5200	7.3	70
224	A biomass derived N/C-catalyst for the electrochemical production of hydrogen peroxide. <i>Chemical Communications</i> , 2017 , 53, 9994-9997	5.8	70
223	Primary reactions of the LOV2 domain of phototropin studied with ultrafast mid-infrared spectroscopy and quantum chemistry. <i>Biophysical Journal</i> , 2009 , 97, 227-37	2.9	70
222	Electropolymerization and catalysis of well-dispersed polyaniline/carbon nanotube/gold composite. <i>Journal of Electroanalytical Chemistry</i> , 2007 , 599, 121-126	4.1	70

221	Visual, Label-Free Telomerase Activity Monitor via Enzymatic Etching of Gold Nanorods. <i>Analytical Chemistry</i> , 2017 , 89, 12094-12100	7.8	68
220	Coupling polymorphic nanostructured carbon nitrides into an isotype heterojunction with boosted photocatalytic H evolution. <i>Chemical Communications</i> , 2017 , 53, 2978-2981	5.8	64
219	Photoelectrochemical properties of nanomultiple CaFe ₂ O ₄ /ZnFe ₂ O ₄ pn junction photoelectrodes. <i>Langmuir</i> , 2013 , 29, 3116-24	4	64
218	Lanthanide-based heteroepitaxial core-shell nanostructures: compressive versus tensile strain asymmetry. <i>ACS Nano</i> , 2014 , 8, 10517-27	16.7	63
217	Photocurrent generation by polymeric carbon nitride solids: an initial step towards a novel photovoltaic system. <i>Chemistry - an Asian Journal</i> , 2010 , 5, 1307-11	4.5	62
216	Metal-Free All-Carbon Nanohybrid for Ultrasensitive Photoelectrochemical Immunosensing of alpha-Fetoprotein. <i>ACS Sensors</i> , 2018 , 3, 1385-1391	9.2	59
215	Reinforcement of silica with single-walled carbon nanotubes through covalent functionalization. <i>Journal of Materials Chemistry</i> , 2006 , 16, 4592		58
214	Crystallinity Modulation of Layered Carbon Nitride for Enhanced Photocatalytic Activities. <i>Chemistry - A European Journal</i> , 2016 , 22, 12449-54	4.8	58
213	Ultrafast Condensation of Carbon Nitride on Electrodes with Exceptional Boosted Photocurrent and Electrochemiluminescence. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 1139-1143	16.4	57
212	Unraveling fundamental active units in carbon nitride for photocatalytic oxidation reactions. <i>Nature Communications</i> , 2021 , 12, 320	17.4	55
211	Boosting Gas Involved Reactions at Nanochannel Reactor with Joint Gas-Solid-Liquid Interfaces and Controlled Wettability. <i>Journal of the American Chemical Society</i> , 2017 , 139, 10441-10446	16.4	54
210	A simple, fast, label-free colorimetric method for detection of telomerase activity in urine by using hemin-graphene conjugates. <i>Biosensors and Bioelectronics</i> , 2017 , 87, 600-606	11.8	54
209	Conformational heterogeneity and propagation of structural changes in the LOV2/Jalpha domain from <i>Avena sativa</i> phototropin 1 as recorded by temperature-dependent FTIR spectroscopy. <i>Biophysical Journal</i> , 2009 , 97, 238-47	2.9	53
208	Copper Tannic Acid Coordination Nanosheet: A Potent Nanozyme for Scavenging ROS from Cigarette Smoke. <i>Small</i> , 2020 , 16, e1902123	11	52
207	Direct electron transfer of horseradish peroxidase and its electrocatalysis based on carbon nanotube/thionine/gold composites. <i>Electrochemistry Communications</i> , 2008 , 10, 306-310	5.1	50
206	Highly Selective and Sensitive Electrochemical Immunoassay of Cry1C Using Nanobody and π Stacked Graphene Oxide/Thionine Assembly. <i>Analytical Chemistry</i> , 2016 , 88, 9830-9836	7.8	49
205	Novel Fluorescence Switch for MicroRNA Imaging in Living Cells Based on DNAzyme Amplification Strategy. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 43405-43410	9.5	48
204	Single 2D MXene precursor-derived TiO ₂ nanosheets with a uniform decoration of amorphous carbon for enhancing photocatalytic water splitting. <i>Applied Catalysis B: Environmental</i> , 2020 , 270, 118885	21.8	47

203	Label-free ultrasensitive detection of telomerase activity via multiple telomeric hemin/G-quadruplex triggered polyaniline deposition and a DNA tetrahedron-structure regulated signal. <i>Chemical Communications</i> , 2016 , 52, 1796-9	5.8	47
202	Room-temperature ionic liquids as media to enhance the electrochemical stability of self-assembled monolayers of alkanethiols on gold electrodes. <i>Chemical Communications</i> , 2005 , 360-2	5.8	47
201	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 & Interfaces</i> , 2018 , 10, 35327-35333	9.5	47
200	Label-Free Detection of Telomerase Activity in Urine Using Telomerase-Responsive Porous Anodic Alumina Nanochannels. <i>Analytical Chemistry</i> , 2016 , 88, 8107-14	7.8	46
199	6-Amino-3-methylpyrimidinones as Potent, Selective, and Orally Efficacious SHP2 Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2019 , 62, 1793-1802	8.3	45
198	Covalent stabilization and functionalization of MXene via silylation reactions with improved surface properties. <i>FlatChem</i> , 2019 , 17, 100128	5.1	44
197	Doped-carbon electrocatalysts with trimodal porosity from a homogeneous polypeptide gel. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 13576	13	44
196	Fabrication and selective functionalization of amine-reactive polymer multilayers on topographically patterned microwell cell culture arrays. <i>Biomacromolecules</i> , 2011 , 12, 1998-2007	6.9	44
195	Identification of TNO155, an Allosteric SHP2 Inhibitor for the Treatment of Cancer. <i>Journal of Medicinal Chemistry</i> , 2020 , 63, 13578-13594	8.3	44
194	Ionic liquid-derived Fe _N /C catalysts for highly efficient oxygen reduction reaction without any supports, templates, or multi-step pyrolysis. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 6630-6638	13	44
193	The Fe-N-C Nanozyme with Both Accelerated and Inhibited Biocatalytic Activities Capable of Accessing Drug-Drug Interactions. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 14498-14503	16.4	43
192	Functionalization of fibers using azlactone-containing polymers: layer-by-layer fabrication of reactive thin films on the surfaces of hair and cellulose-based materials. <i>ACS Applied Materials & Interfaces</i> , 2010 , 2, 1421-9	9.5	43
191	Direct Immunoassay for Facile and Sensitive Detection of Small Molecule Aflatoxin B based on Nanobody. <i>Chemistry - A European Journal</i> , 2018 , 24, 9869-9876	4.8	43
190	Coupling multiphase-Fe and hierarchical N-doped graphitic carbon as trifunctional electrocatalysts by supramolecular preorganization of precursors. <i>Chemical Communications</i> , 2017 , 53, 2044-2047	5.8	42
189	Enhanced enzymatic reactivity for electrochemically driven drug metabolism by confining cytochrome P450 enzyme in TiO ₂ nanotube arrays. <i>Analytical Chemistry</i> , 2014 , 86, 8003-9	7.8	42
188	A p-type Cr-doped TiO ₂ photo-electrode for photo-reduction. <i>Chemical Communications</i> , 2013 , 49, 3440-3442	3.8	42
187	Optimization of Fused Bicyclic Allosteric SHP2 Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2019 , 62, 1781-1792	8.9	41
186	Structural and Functional Consequences of Three Cancer-Associated Mutations of the Oncogenic Phosphatase SHP2. <i>Biochemistry</i> , 2016 , 55, 2269-77	3.2	41

185	DNA-responsive disassembly of AuNP aggregates: influence of nonbase-paired regions and colorimetric DNA detection by exonuclease III aided amplification. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 2851-2858	7.3	40
184	In Situ Detection and Imaging of Telomerase Activity in Cancer Cell Lines via Disassembly of Plasmonic Core-Satellites Nanostructured Probe. <i>Analytical Chemistry</i> , 2017 , 89, 7262-7268	7.8	39
183	Three-Dimensional Macroporous Polypyrrole-Derived Graphene Electrode Prepared by the Hydrogen Bubble Dynamic Template for Supercapacitors and Metal-Free Catalysts. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 23731-40	9.5	38
182	Role of pyridine in photoelectrochemical reduction of CO ₂ to methanol at a CuInS ₂ thin film electrode. <i>RSC Advances</i> , 2014 , 4, 39435-39438	3.7	38
181	Chiroplasmonic Assemblies of Gold Nanoparticles for Ultrasensitive Detection of 8-Hydroxy-2'-deoxyguanosine in Human Serum Sample. <i>Analytical Chemistry</i> , 2016 , 88, 6509-14	7.8	38
180	Highly Sensitive and Quality Self-Testable Electrochemiluminescence Assay of DNA Methyltransferase Activity Using Multifunctional Sandwich-Assembled Carbon Nitride Nanosheets. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 6887-6894	9.5	36
179	Selective local nitrogen doping in a TiO ₂ electrode for enhancing photoelectrochemical water splitting. <i>Chemical Communications</i> , 2012 , 48, 8649-51	5.8	36
178	Label-free electrochemical detection of methyltransferase activity and inhibitor screening based on endonuclease HpaII and the deposition of polyaniline. <i>Biosensors and Bioelectronics</i> , 2015 , 73, 188-194	11.8	35
177	One-step synthesis of 3D dendritic gold/polypyrrole nanocomposites via a self-assembly method. <i>Nanotechnology</i> , 2006 , 17, 283-288	3.4	35
176	Comparison Study of the Photoelectrochemical Activity of Carbon Nitride with Different Photoelectrode Configurations. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 22287-94	9.5	35
175	Application of Spectral Crosstalk Correction for Improving Multiplexed MicroRNA Detection Using a Single Excitation Wavelength. <i>Analytical Chemistry</i> , 2017 , 89, 3430-3436	7.8	34
174	Identification of an allosteric benzothiazolopyrimidone inhibitor of the oncogenic protein tyrosine phosphatase SHP2. <i>Bioorganic and Medicinal Chemistry</i> , 2017 , 25, 6479-6485	3.4	34
173	Unfolding of the C-Terminal α -Helix in the LOV2 Photoreceptor Domain Observed by Time-Resolved Vibrational Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 3472-6	6.4	34
172	Enzymatic reactivity of glucose oxidase confined in nanochannels. <i>Biosensors and Bioelectronics</i> , 2014 , 55, 307-12	11.8	34
171	Coupled Fluorometer-Potentiostat System and Metal-Free Monochromatic Luminophores for High-Resolution Wavelength-Resolved Electrochemiluminescent Multiplex Bioassay. <i>ACS Sensors</i> , 2018 , 3, 1362-1367	9.2	33
170	Simultaneous Unlocking Optoelectronic and Interfacial Properties of C for Ultrasensitive Immunosensing by Coupling to Metal-Organic Framework. <i>Analytical Chemistry</i> , 2020 , 92, 983-990	7.8	33
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> , 2017 , 973, 82-90	6.6	32
168	Photoelectrochemical reduction of carbon dioxide at CuInS ₂ /graphene hybrid thin film electrode. <i>Electrochimica Acta</i> , 2016 , 193, 1-6	6.7	32

167	Facet-Controlling Agents Free Synthesis of Hematite Crystals with High-Index Planes: Excellent Photodegradation Performance and Mechanism Insight. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 142-51	9.5	31
166	Polyelectrolyte-functionalized ionic liquid for electrochemistry in supporting electrolyte-free aqueous solutions and application in amperometric flow injection analysis. <i>Green Chemistry</i> , 2007 , 9, 746	10	31
165	An effective approach to synthesis of poly(methyl methacrylate)/silica nanocomposites. <i>Nanotechnology</i> , 2006 , 17, 4796-4801	3.4	31
164	Driving electrochemical oxygen reduction and hydrazine oxidation reaction by enzyme-inspired polymeric Cu(3,3'-diaminobenzidine) catalyst. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 17413-17420	13	30
163	Directing single-walled carbon nanotubes to self-assemble at water/oil interfaces and facilitate electron transfer. <i>Chemical Communications</i> , 2008 , 4273-5	5.8	30
162	Engineering of CdTe/SiO nanocomposites: Enhanced signal amplification and biocompatibility for electrochemiluminescent immunoassay of alpha-fetoprotein. <i>Biosensors and Bioelectronics</i> , 2019 , 131, 178-184	11.8	30
161	Rational Design of the Robust Janus Shell on Silicon Anodes for High-Performance Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 17375-17383	9.5	29
160	Synthesis of mesoporous composite materials of nitrogen-doped carbon and silica using a reactive surfactant approach. <i>Journal of Materials Chemistry</i> , 2011 , 21, 15537		29
159	Dissolution and homogeneous photocatalysis of polymeric carbon nitride. <i>Chemical Science</i> , 2018 , 9, 7912-7915	9.4	29
158	A sensitive, label-free electrochemical detection of telomerase activity without modification or immobilization. <i>Biosensors and Bioelectronics</i> , 2017 , 91, 347-353	11.8	28
157	Synthesis of B-doped hollow carbon spheres as efficient non-metal catalyst for oxygen reduction reaction. <i>RSC Advances</i> , 2015 , 5, 52126-52131	3.7	28
156	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> , 2020 , 59, 16747-16754	16.4	28
155	Evaluation of DNA methyltransferase activity and inhibition via chiroplasmonic assemblies of gold nanoparticles. <i>Chemical Communications</i> , 2015 , 51, 14350-3	5.8	28
154	Fabrication of CuInS ₂ thin film by electrodeposition of CuIn alloy. <i>Vacuum</i> , 2014 , 99, 196-203	3.7	27
153	Synthesis of highly faceted multiply twinned gold nanocrystals stabilized by polyoxometalates. <i>Nanotechnology</i> , 2006 , 17, 4689-94	3.4	27
152	Erosion of multilayered films fabricated from degradable polyamines: Characterization and evidence in support of a mechanism that involves polymer hydrolysis. <i>Journal of Polymer Science Part A</i> , 2006 , 44, 5161-5173	2.5	27
151	Boosting the Sensitivity of a Photoelectrochemical Immunoassay by Using SiO ₂ @polydopamine Core-shell Nanoparticles as a Highly Efficient Quencher. <i>ACS Applied Nano Materials</i> , 2019 , 2, 1579-1588	5.6	27
150	Boosted Electrochemical Immunosensing of Genetically Modified Crop Markers Using Nanobody and Mesoporous Carbon. <i>ACS Sensors</i> , 2018 , 3, 684-691	9.2	26

149	Perturbation of the ground-state electronic structure of FMN by the conserved cysteine in phototropin LOV2 domains. <i>Physical Chemistry Chemical Physics</i> , 2008 , 10, 6693-702	3.6	26
148	Enhanced response induced by polyelectrolyte-functionalized ionic liquid in glucose biosensor based on sol-gel organic/organic hybrid material. <i>Journal of Electroanalytical Chemistry</i> , 2007 , 608, 78-83	4.1	26
147	Design and Synthesis of Multifunctional Materials Based on an Ionic-Liquid Backbone. <i>Angewandte Chemie</i> , 2006 , 118, 5999-6002	3.6	26
146	Comparison of two-typed (3-mercaptopropyl)trimethoxysilane-based networks on Au substrates. <i>Talanta</i> , 2005 , 65, 481-8	6.2	26
145	Functionalized polydiacetylene-glycolipid vesicles interacted with Escherichia coli under the TiO ₂ colloid. <i>Colloids and Surfaces B: Biointerfaces</i> , 2005 , 40, 137-42	6	26
144	Combinations with Allosteric SHP2 Inhibitor TNO155 to Block Receptor Tyrosine Kinase Signaling. <i>Clinical Cancer Research</i> , 2021 , 27, 342-354	12.9	26
143	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> , 2019 , 10, 3706-3714	9.4	25
142	A fluorescence method for detection of DNA and DNA methylation based on graphene oxide and restriction endonuclease HpaII. <i>Talanta</i> , 2015 , 131, 342-7	6.2	25
141	Manganese oxide nanowires wrapped with nitrogen doped carbon layers for high performance supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2015 , 455, 188-93	9.3	25
140	Molecular engineering of C _x N _y : Topologies, electronic structures and multidisciplinary applications. <i>Chinese Chemical Letters</i> , 2020 , 31, 3047-3054	8.1	25
139	Photoelectrocatalytic reduction of carbon dioxide to methanol at cuprous oxide foam cathode. <i>RSC Advances</i> , 2017 , 7, 24933-24939	3.7	24
138	Nanostructured 2D Diporphyrin Honeycomb Film: Photoelectrochemistry, Photodegradation, and Antibacterial Activity. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 11783-91	9.5	24
137	Exfoliation and Sensitization of 2D Carbon Nitride for Photoelectrochemical Biosensing under Red Light. <i>Chemistry - A European Journal</i> , 2019 , 25, 15680-15686	4.8	24
136	A New Insight of the Photothermal Effect on the Highly Efficient Visible-Light-Driven Photocatalytic Performance of Novel-Designed TiO ₂ Rambutan-Like Microspheres Decorated by Au Nanorods. <i>Particle and Particle Systems Characterization</i> , 2016 , 33, 140-149	3.1	24
135	Hot-Tailoring of Carbon Nitride Dots with Redshifted Photoluminescence for Visual Double Text Encryption and Bioimaging. <i>Chemistry - A European Journal</i> , 2019 , 25, 10188-10196	4.8	23
134	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> , 2016 , 946, 48-55	6.6	23
133	Electrostatic assembly of polyaniline and platinum-poly(amidoamine) dendrimers hybrid nanocomposite multilayer, and its electrocatalysis towards CO and O ₂ . <i>Journal of Electroanalytical Chemistry</i> , 2007 , 599, 127-135	4.1	23
132	Electrostatic layer-by-layer assembly of platinum-loaded multiwall carbon nanotube multilayer: A tunable catalyst film for anodic methanol oxidation. <i>Thin Solid Films</i> , 2008 , 516, 6531-6535	2.2	23

131	Cytochrome P450 bienzymes assembled on Au/chitosan/reduced graphene oxide nanosheets for electrochemically-driven drug cascade metabolism. <i>Electrochimica Acta</i> , 2015 , 165, 36-44	6.7	22
130	Assessment of lipid oxidation in cottonseed oil treated with phytonutrients: Kinetic and thermodynamic studies. <i>Industrial Crops and Products</i> , 2018 , 124, 593-599	5.9	22
129	Label-free fluorescence detection of DNA methylation and methyltransferase activity based on restriction endonuclease HpaII and exonuclease III. <i>Analyst, The</i> , 2014 , 139, 6387-92	5	22
128	Coupling aptazyme and catalytic hairpin assembly for cascaded dual signal amplified electrochemiluminescence biosensing. <i>Biosensors and Bioelectronics</i> , 2020 , 150, 111945	11.8	22
127	Non-covalent pre-organization of molecular precursors: A facile approach for engineering structures and activities of pyrolyzed Co-N-C electrocatalysts. <i>Carbon</i> , 2019 , 144, 312-320	10.4	22
126	Preparation of carbon nitride nanoparticles by nanoprecipitation method with high yield and enhanced photocatalytic activity. <i>Chinese Chemical Letters</i> , 2020 , 31, 513-516	8.1	22
125	An enzyme cascade-based electrochemical immunoassay using a polydopamine-carbon nanotube nanocomposite for signal amplification. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 8180-8187	7.3	22
124	Photoadduct Formation from the FMN Singlet Excited State in the LOV2 Domain of <i>Chlamydomonas reinhardtii</i> Phototropin. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 4380-4384	6.4	21
123	Solution-based processing of carbon nitride composite for boosted photocatalytic activities. <i>Chinese Chemical Letters</i> , 2018 , 29, 437-440	8.1	20
122	A biomass derived nitrogen doped carbon fibers as efficient catalysts for the oxygen reduction reaction. <i>Journal of Electroanalytical Chemistry</i> , 2018 , 824, 60-66	4.1	20
121	Ion-responsive behavior of ionic-liquid surfactant aggregates with applications in controlled release and emulsification. <i>ChemPhysChem</i> , 2008 , 9, 2198-202	3.2	20
120	Electropolymerization of polypyrrole on PFILBSS-modified electrodes without added support electrolytes. <i>Journal of Electroanalytical Chemistry</i> , 2006 , 596, 33-37	4.1	20
119	Electroactive gold nanoparticles protected by 4-ferrocene thiophenol monolayer. <i>Journal of Colloid and Interface Science</i> , 2003 , 264, 109-13	9.3	20
118	Recent Advances of Electrochemiluminescent System in Bioassay. <i>Journal of Analysis and Testing</i> , 2020 , 4, 57-75	3.2	19
117	Harnessing Photoluminescent Properties of Carbon Nitride Nanosheets in a Hierarchical Matrix. <i>Advanced Functional Materials</i> , 2019 , 29, 1905576	15.6	19
116	Multifunctional nanoprobe for cancer cell targeting and simultaneous fluorescence/magnetic resonance imaging. <i>Analytica Chimica Acta</i> , 2016 , 938, 156-64	6.6	19
115	Coupling metal-organic framework nanosphere and nanobody for boosted photoelectrochemical immunoassay of Human Epididymis Protein 4. <i>Analytica Chimica Acta</i> , 2020 , 1107, 145-154	6.6	18
114	MXene Frameworks Promote the Growth and Stability of LiF-Rich Solid-Electrolyte Interphases on Silicon Nanoparticle Bundles. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 18541-18550	9.5	18

113	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> , 2018 , 260, 195-202	6	18
112	Covalently Crosslinked and Physically Stable Polymer Coatings with Chemically Labile and Dynamic Surface Features Fabricated by Treatment of Azlactone-Containing Multilayers with Alcohol-, Thiol-, and Hydrazine-Based Nucleophiles. <i>Chemistry of Materials</i> , 2016 , 28, 5063-5072	9.6	18
111	Quartz Crystal Microbalance Detection of Poly(ADP-ribose) Polymerase-1 Based on Gold Nanorods Signal Amplification. <i>Analytical Chemistry</i> , 2019 , 91, 11038-11044	7.8	18
110	Electronic and protein structural dynamics of a photosensory histidine kinase. <i>Biochemistry</i> , 2010 , 49, 4752-9	3.2	18
109	Ultrafast Condensation of Carbon Nitride on Electrodes with Exceptional Boosted Photocurrent and Electrochemiluminescence. <i>Angewandte Chemie</i> , 2020 , 132, 1155-1159	3.6	18
108	Agglomeration-resistant 2D nanoflakes configured with super electronic networks for extraordinary fast and stable sodium-ion storage. <i>Nano Energy</i> , 2019 , 56, 502-511	17.1	18
107	High-Performance Sodium-Ion Battery Anode via Rapid Microwave Carbonization of Natural Cellulose Nanofibers with Graphene Initiator. <i>Small</i> , 2019 , 15, e1901724	11	17
106	Coral-shaped porous LiFePO ₄ /graphene hybrids for high rate and all-climate battery applications. <i>Energy Storage Materials</i> , 2019 , 21, 457-463	19.4	17
105	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> , 2020 , 8, 2453-2461	8.3	17
104	Palladium nanoparticles supported on nitrogen-doped carbon spheres as enhanced catalyst for ethanol electro-oxidation. <i>Journal of Electroanalytical Chemistry</i> , 2014 , 730, 65-68	4.1	17
103	Fabrication of oligonucleotide and protein arrays on rigid and flexible substrates coated with reactive polymer multilayers. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 351-9	9.5	17
102	Carbon nitride of five-membered rings with low optical bandgap for photoelectrochemical biosensing. <i>Chem</i> , 2021 ,	16.2	17
101	Hemicyanine-based near-infrared fluorescent probe for the ultrasensitive detection of hNQO1 activity and discrimination of human cancer cells. <i>Analytica Chimica Acta</i> , 2019 , 1090, 125-132	6.6	16
100	Reconstructing hydrophobic ZIF-8 crystal into hydrophilic hierarchically-porous nanoflowers as catalyst carrier for nonenzymatic glucose sensing. <i>Sensors and Actuators B: Chemical</i> , 2020 , 313, 128031	8.5	16
99	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> , 2018 , 259, 565-572	8.5	16
98	Mannose-Escherichia coli interaction in the presence of metal cations studied in vitro by colorimetric polydiacetylene/glycolipid liposomes. <i>Journal of Inorganic Biochemistry</i> , 2004 , 98, 925-30	4.2	16
97	Resistance to allosteric SHP2 inhibition in FGFR-driven cancers through rapid feedback activation of FGFR. <i>Oncotarget</i> , 2020 , 11, 265-281	3.3	16
96	Promoting condensation kinetics of polymeric carbon nitride for enhanced photocatalytic activities. <i>Chinese Chemical Letters</i> , 2020 , 31, 115-118	8.1	16

95	Fabrication of porous graphitic carbon nitride-titanium dioxide heterojunctions with enhanced photo-energy conversion activity. <i>Chinese Chemical Letters</i> , 2017 , 28, 1312-1317	8.1	15
94	Effect of annealing temperature and element composition of titanium dioxide/graphene/hemin catalysts for oxygen reduction reaction. <i>RSC Advances</i> , 2015 , 5, 82879-82886	3.7	15
93	Validation of Inner, Second, and Outer Sphere Contributions to T1 and T2 Relaxation in Gd ³⁺ -Based Nanoparticles Using Eu ³⁺ Lifetime Decay as a Probe. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 11557-11569	3.8	15
92	Cytochrome P450 enzyme functionalized-quantum dots as photocatalysts for drug metabolism. <i>Chemical Communications</i> , 2014 , 50, 7607-10	5.8	15
91	Promoting the Electrochemical Performances by Chemical Depositing of Gold Nanoparticles Inside Pores of 3D Nitrogen-Doped Carbon Nanocages. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 31968-31976	9.5	15
90	Effect of Carbon Supports on Enhancing Mass Kinetic Current Density of Fe-N/C Electrocatalysts. <i>Chemistry - A European Journal</i> , 2017 , 23, 14597-14603	4.8	15
89	N-doped carbon dots triggered the induction of ROS-mediated cytoprotective autophagy in Hepa1-6 cells. <i>Chemosphere</i> , 2020 , 251, 126440	8.4	14
88	A sensitive fluorescence turn-off-on biosensor for poly(ADP-ribose) polymerase-1 detection based on cationic conjugated polymer-MnO ₂ nanosheets. <i>Sensors and Actuators B: Chemical</i> , 2018 , 273, 1047-1053	8.5	14
87	Carbon Nitride Co-catalyst Activation Using N-Doped Carbon with Enhanced Photocatalytic H Evolution. <i>Langmuir</i> , 2019 , 35, 12366-12373	4	13
86	Quantitation of DNA methyltransferase activity via chronocoulometry in combination with rolling chain amplification. <i>Biosensors and Bioelectronics</i> , 2016 , 85, 25-31	11.8	13
85	Manifold methods for telomerase activity detection based on various unique probes. <i>TrAC - Trends in Analytical Chemistry</i> , 2018 , 105, 404-412	14.6	13
84	Quantitative evaluation of biological reaction kinetics in confined nanospaces. <i>Analytical Chemistry</i> , 2014 , 86, 8129-35	7.8	13
83	Simultaneous Synthesis of Polyaniline Nanotubules and Gold Nanoplates. <i>Crystal Growth and Design</i> , 2008 , 8, 1827-1832	3.5	13
82	Water Molecule-Triggered Anisotropic Deformation of Carbon Nitride Nanoribbons Enabling Contactless Respiratory Inspection. <i>CCS Chemistry</i> , 2021 , 3, 1615-1625	7.2	13
81	Detection of PARP-1 activity based on hyperbranched-poly (ADP-ribose) polymers responsive current in artificial nanochannels. <i>Biosensors and Bioelectronics</i> , 2018 , 113, 136-141	11.8	12
80	A photoelectrochemical immunoassay for tumor necrosis factor- α using a GO-PTCNH ₂ nanohybrid as a probe. <i>Journal of Electroanalytical Chemistry</i> , 2018 , 824, 195-200	4.1	12
79	Electrochemically driven drug metabolism via a CYP1A2-UGT1A10 bienzyme confined in a graphene nano-cage. <i>Chemical Communications</i> , 2014 , 50, 13896-9	5.8	12
78	Photoactivation mechanisms of flavin-binding photoreceptors revealed through ultrafast spectroscopy and global analysis methods. <i>Methods in Molecular Biology</i> , 2014 , 1146, 401-42	1.4	12

77	Space-Confin ed Synthesis of Yolk@Shell Structured Co ₃ O ₄ /Nitrogen-Doped Carbon Nanocomposites with Hollow Mesoporous Carbon Nanocages as Advanced Functional Anodes for Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2020 , 3, 11153-11163	6.1	12
76	A Dual Functional Self-Enhanced Electrochemiluminescent Nanohybrid for Label-Free MicroRNA Detection. <i>Analytical Chemistry</i> , 2021 , 93, 8971-8977	7.8	12
75	Antimony selenide/graphene oxide composite for sensitive photoelectrochemical detection of DNA methyltransferase activity. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 6789-6795	7.3	12
74	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> , 2017 , 90, 321-328	11.8	11
73	The Fe-N-C Nanozyme with Both Accelerated and Inhibited Biocatalytic Activities Capable of Accessing Drug-Drug Interactions. <i>Angewandte Chemie</i> , 2020 , 132, 14606-14611	3.6	11
72	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 & Interfaces</i> , 2019 , 11, 44922-44930	9.5	11
71	Photoelectrochemical Reduction of Carbon Dioxide to Methanol at CuS/CuO/CuInS ₂ Thin Film Photocathodes. <i>Journal of the Electrochemical Society</i> , 2017 , 164, E475-E479	3.9	11
70	Preparation of colorless ionic liquids "on water" for spectroscopy. <i>Talanta</i> , 2009 , 78, 805-8	6.2	11
69	Enhanced affinochromism of polydiacetylene monolayer in response to bacteria by incorporating CdS nano-crystallites. <i>Colloids and Surfaces B: Biointerfaces</i> , 2004 , 35, 41-4	6	11
68	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> , 2021 , 486, 229370	8.9	11
67	Quartz crystal microbalance for telomerase sensing based on gold nanoparticle induced signal amplification. <i>Chemical Communications</i> , 2019 , 55, 5994-5997	5.8	10
66	Simultaneous electrochemical determination of uric acid and dopamine in the presence of ascorbic acid using nitrogen-doped carbon hollow spheres. <i>Analytical Methods</i> , 2013 , 5, 3635	3.2	10
65	Fast and facile preparation of superhigh aspect-ratio Cu ₂ thiourea nanowires in large quantity. <i>Materials Letters</i> , 2007 , 61, 3632-3634	3.3	10
64	Bound oxygen-atom transfer endows peroxidase-mimic M-N-C with high substrate selectivity. <i>Chemical Science</i> , 2021 , 12, 8865-8871	9.4	10
63	Metal-doped carbon nitrides: synthesis, structure and applications. <i>New Journal of Chemistry</i> , 2021 , 45, 11876-11892	3.6	10
62	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> , 2017 , 804, 23-28	4.1	9
61	Visual and fluorometric determination of telomerase activity by using a cationic conjugated polymer and fluorescence resonance energy transfer. <i>Mikrochimica Acta</i> , 2017 , 184, 3453-3460	5.8	9
60	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> , 2020 , 1862, 183113	3.8	9

59	Modulating Stereoselectivity through Electrostatic Interactions in a SPINOL-Phosphoric Acid-Catalyzed Synthesis of 2,3-Dihydroquinazolinones. <i>ACS Catalysis</i> , 2020 , 10, 12292-12299	13.1	9
58	Systematic synthesis of ZIF-67 derived Co ₃ O ₄ and N-doped carbon composite for supercapacitors via successive oxidation and carbonization. <i>Electrochimica Acta</i> , 2021 , 376, 137986	6.7	9
57	One-pot electrografting preparation of bifunctionalized carbon nanotubes for sensitive electrochemical immunosensing. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 860, 113906	4.1	8
56	Nitrogen-doped porous carbon with a hierarchical structure prepared for a high performance symmetric supercapacitor. <i>RSC Advances</i> , 2016 , 6, 101988-101994	3.7	8
55	Communication Lithium-Doped CuFeO ₂ Thin Film Electrodes for Photoelectrochemical Reduction of Carbon Dioxide to Methanol. <i>Journal of the Electrochemical Society</i> , 2019 , 166, H718-H720	3.9	8
54	Controlled synthesis of 2D Au nanostructure assembly with the assistance of sulfonated polyaniline nanotubes. <i>Nanotechnology</i> , 2006 , 17, 2641-8	3.4	8
53	Facile synthesis of perovskite ZIF67 derivative using ammonia fluoride and comparison with post-treated ZIF67 derivatives on energy storage ability. <i>Electrochimica Acta</i> , 2021 , 389, 138680	6.7	8
52	Recent advances of functional nucleic acids-based electrochemiluminescent sensing. <i>Biosensors and Bioelectronics</i> , 2021 , 191, 113462	11.8	8
51	Photoelectrochemical Reduction of CO ₂ to Alcohols at CuO/CuFeO ₂ Thin Film Electrode. <i>International Journal of Electrochemical Science</i> , 2019 , 8569-8578	2.2	7
50	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> , 2019 , 78, 164-171	6.3	7
49	One-Pot Synthesis of Metal-Doped Mesoporous Materials from (Dicyanamido)metallate Precursors. <i>European Journal of Inorganic Chemistry</i> , 2012 , 2012, 4105-4116	2.3	7
48	Confining nanohybrid of CdTe quantum dots and cytochrome P450 2D6 in macroporous ordered siliceous foam for drug metabolism. <i>Journal of Electroanalytical Chemistry</i> , 2016 , 781, 345-350	4.1	7
47	Hierarchically porous carbon cages synthesized through in situ migration of templates. <i>Chinese Chemical Letters</i> , 2020 , 31, 303-306	8.1	7
46	Novel Synthesis of Freestanding Carbonized ZIF67/Polymer Nanofiber Electrodes for Supercapacitors via Electrospinning and Pyrolysis Techniques. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 41637-41648	9.5	7
45	Helical Contributions Mediate Light-Activated Conformational Change in the LOV2 Domain of Phototropin 1. <i>ACS Omega</i> , 2019 , 4, 1238-1243	3.9	6
44	Photoelectrochemical Reduction of Carbon Dioxide to Ethanol at Cu ₂ O Foam Cathode. <i>International Journal of Electrochemical Science</i> , 2017 , 8288-8294	2.2	6
43	Ultrafine Zn _{1-x} Cu _x S (0 ≤ x ≤ 0.066) nanocrystallites for photocatalytic H ₂ evolution under visible light irradiation. <i>RSC Advances</i> , 2013 , 3, 10654	3.7	6
42	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> , 2004 , 468, 273-279	2.2	6

41	Electrochemical study of 4-ferrocene thiophenol monolayers assembled on gold nanoparticles. <i>Microelectronic Engineering</i> , 2003 , 66, 91-94	2.5	6
40	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> , 2020 , 8, 21327-21338	13	6
39	A yolk-shell structured CoS ₂ @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> , 2021 , 371, 137773	6.7	6
38	Synthesizing novel NH ₄ CoxNi _{1-x} F ₃ as electroactive material for supercapacitors using 2-methylimidazole: Study of reaction durations. <i>Journal of Power Sources</i> , 2021 , 494, 229754	8.9	6
37	Reduction of CO ₂ to Ethanol on Cu-In/CuInS ₂ Composite Thin Film Photocathode. <i>Journal of the Electrochemical Society</i> , 2018 , 165, H1066-H1071	3.9	6
36	Bioinspired in Vitro Lung Airway Model for Inflammatory Analysis via Hydrophobic Nanochannel Membrane with Joint Three-Phase Interface. <i>Analytical Chemistry</i> , 2019 , 91, 15804-15810	7.8	5
35	Photoassisted fabrication of zinc indium oxide/oxysulfide composite for enhanced photocatalytic H ₂ evolution under visible-light irradiation. <i>Science and Technology of Advanced Materials</i> , 2012 , 13, 055001	7.1	5
34	Photo-electrochemical Reduction of Carbon Dioxide into Methanol at CuFeO ₂ Nanoparticle-Decorated CuInS ₂ Thin-Film Photocathodes. <i>Energy & Fuels</i> , 2020 , 34, 9914-9922	4.1	5
33	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> , 2019 , 1046, 179-184	6.6	4
32	Continuous Fabrication of Slippery Liquid-Infused Coatings on Rolls of Flexible Materials. <i>ACS Applied Polymer Materials</i> , 2022 , 4, 787-795	4.3	4
31	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> , 2022 , 608, 493-503	9.3	4
30	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> , 2020 , 116, 197-204	5.3	4
29	Enhanced energy storage ability of UiO66 active material on acid-treated carbon cloth for flexible supercapacitors. <i>Electrochimica Acta</i> , 2021 , 380, 138241	6.7	4
28	Communication Potential Pulsing Photoelectrochemical Reduction of Carbon Dioxide to Ethanol. <i>Journal of the Electrochemical Society</i> , 2016 , 163, E305-E307	3.9	4
27	Pd Nanoclusters Confined in ZIF-8 Matrixes for Fluorescent Detection of Glucose and Cholesterol. <i>ACS Applied Nano Materials</i> , 2021 , 4, 9132-9142	5.6	4
26	Recovery of β-Carotene on Graphene Nanoplatelets UiO-66 Nanocomposites. <i>Journal of Chemical & Engineering Data</i> , 2020 , 65, 821-827	2.8	3
25	Cascaded Nanozyme System with High Reaction Selectivity by Substrate Screening and Channeling in a Microfluidic Device*. <i>Angewandte Chemie - International Edition</i> , 2021 , 61, e202112453	16.4	3
24	Quantum dots for electrochemiluminescence bioanalysis - A review.. <i>Analytica Chimica Acta</i> , 2022 , 1209, 339140	6.6	3

23	Influence of Side Chain Hydrolysis on the Evolution of Nanoscale Roughness and Porosity in Amine-Reactive Polymer Multilayers. <i>Chemistry of Materials</i> , 2020 , 32, 6935-6946	9.6	3
22	Rational design of robust nano-Si/graphite nanocomposites anodes with strong interfacial adhesion for high-performance lithium-ion batteries. <i>Chinese Chemical Letters</i> , 2021 , 32, 910-913	8.1	3
21	Re-Examination of Plotting Analytical Response against Different Forms of Concentration. <i>Analytical Chemistry</i> , 2021 , 93, 11910-11914	7.8	3
20	Improving energy storage ability of acid-treated carbon fibers via simple sonication and heat treatments for flexible supercapacitors. <i>Energy Reports</i> , 2021 , 7, 4205-4213	4.6	3
19	Photoreaction Dynamics of Red-Shifting Retinal Analogues Reconstituted in Proteorhodopsin. <i>Journal of Physical Chemistry B</i> , 2019 , 123, 4242-4250	3.4	2
18	Electrochemiluminescent detection of hNQO1 and associated drug screening enabled by futile redox cycle reaction. <i>Sensors and Actuators B: Chemical</i> , 2020 , 321, 128557	8.5	2
17	Target-Specific Magnetic Resonance Imaging of Human Prostate Adenocarcinoma Using NaDyF-NaGdF Core-Shell Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 24345-24355	9.5	2
16	Carbon NitrideBased Biosensors 2021 , 175-225		2
15	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> , 2022 , 34, 1245-1258	9.6	1
14	CuFeO ₂ /CuInS ₂ Composite Thin Film Photocathode Prepared by Template Method for CO ₂ Conversion Into Methanol. <i>Journal of the Electrochemical Society</i> ,	3.9	1
13	PCN-222@g-CN cathodic materials for "signal-off" photoelectrochemical sensing of kanamycin sulfate.. <i>RSC Advances</i> , 2021 , 11, 28320-28325	3.7	1
12	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> , 2021 , 45, 4303-4310	3.6	1
11	QM calculations predict the energetics and infrared spectra of transient glutamine isomers in LOV photoreceptors. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 13934-13950	3.6	1
10	Understanding the Noncollinear Antiferromagnetic IrMn ₃ Surfaces and Their Exchange-Biased Heterostructures from First-Principles. <i>ACS Applied Electronic Materials</i> , 2021 , 3, 1086-1096	4	1
9	Enhanced Metabolic Activity of Cytochrome P450 via Carbon Nanocage-Based Photochemical Bionanoreactor. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 41956-41961	9.5	1
8	Graphene Nanocomposites in Optoelectronics 2015 , 131-156		0
7	Quantitative evaluation of O ₂ activation half-reaction for Fe ₃ O ₄ in oxidase-like activity enhancement. <i>Catalysis Science and Technology</i> ,	5.5	0
6	A model study for decolorization reasons: β -carotene removal and its kinetics and thermodynamics behaviors. <i>Biomass Conversion and Biorefinery</i> , ¹	2.3	0

- 5 Nitrogen-Doped Titanium Monoxide Flexible Membrane for a Low-Cost, Biocompatible, and Durable Raman Scattering Substrate. *Analytical Chemistry*, **2021**, 93, 12776-12785 7.8 ○
- 4 Polymeric carbon nitride-based materials: Rising stars in bioimaging. *Biosensors and Bioelectronics*, **2022**, 114370 11.8 ○
- 3 Facile Preparation of WO₃ Dots with Remarkably Low Toxicity and Uncompromised Activity as Co-reactants for Clinical Diagnosis by Electrochemiluminescence. *Angewandte Chemie*, **2020**, 132, 16890^{3.6}
- 2 Imidazolium-Based Ionic Liquid Functional Materials and Their Application to Electroanalytical Chemistry **2011**, 145-181
- 1 TFEB-lysosome pathway activation is associated with different cell death responses to carbon quantum dots in Kupffer cells and hepatocytes.. *Particle and Fibre Toxicology*, **2022**, 19, 31 8.4