

Yuanjian Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8585258/publications.pdf>

Version: 2024-02-01

299
papers

24,987
citations

7551

77
h-index

8599

146
g-index

332
all docs

332
docs citations

332
times ranked

28476
citing authors

#	ARTICLE	IF	CITATIONS
1	Liquid-Mediated Dense Integration of Graphene Materials for Compact Capacitive Energy Storage. <i>Science</i> , 2013, 341, 534-537.	6.0	1,666
2	Phosphorus-Doped Carbon Nitride Solid: Enhanced Electrical Conductivity and Photocurrent Generation. <i>Journal of the American Chemical Society</i> , 2010, 132, 6294-6295.	6.6	1,176
3	Bioinspired Effective Prevention of Restacking in Multilayered Graphene Films: Towards the Next Generation of High-Performance Supercapacitors. <i>Advanced Materials</i> , 2011, 23, 2833-2838.	11.1	954
4	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, 50-51.	6.6	721
5	Allosteric inhibition of SHP2 phosphatase inhibits cancers driven by receptor tyrosine kinases. <i>Nature</i> , 2016, 535, 148-152.	13.7	674
6	Three-dimensional strutted graphene grown by substrate-free sugar blowing for high-power-density supercapacitors. <i>Nature Communications</i> , 2013, 4, 2905.	5.8	606
7	Reduced TiO ₂ nanotube arrays for photoelectrochemical water splitting. <i>Journal of Materials Chemistry A</i> , 2013, 1, 5766.	5.2	507
8	Molecular engineering of polymeric carbon nitride: advancing applications from photocatalysis to biosensing and more. <i>Chemical Society Reviews</i> , 2018, 47, 2298-2321.	18.7	488
9	Quantifying the density and utilization of active sites in non-precious metal oxygen electroreduction catalysts. <i>Nature Communications</i> , 2015, 6, 8618.	5.8	461
10	One-Step Solvothermal Synthesis of a Carbon@TiO ₂ Dyad Structure Effectively Promoting Visible-Light Photocatalysis. <i>Advanced Materials</i> , 2010, 22, 3317-3321.	11.1	444
11	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, 1157-1164.	1.6	418
12	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.	15.6	408
13	Size-Tunable, Ultrasmall NaGdF ₄ Nanoparticles: Insights into Their T ₁ MRI Contrast Enhancement. <i>Chemistry of Materials</i> , 2011, 23, 3714-3722.	3.2	396
14	Sustainable nitrogen-doped carbonaceous materials from biomass derivatives. <i>Carbon</i> , 2010, 48, 3778-3787.	5.4	361
15	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, 11068-11071.	6.6	334
16	Surface-Alkalinization-Induced Enhancement of Photocatalytic H ₂ Evolution over SrTiO ₃ -Based Photocatalysts. <i>Journal of the American Chemical Society</i> , 2012, 134, 1974-1977.	6.6	330
17	Facile One-Pot Synthesis of Nanoporous Carbon Nitride Solids by Using Soft Templates. <i>ChemSusChem</i> , 2010, 3, 435-439.	3.6	313
18	Dissolution and Liquid Crystals Phase of 2D Polymeric Carbon Nitride. <i>Journal of the American Chemical Society</i> , 2015, 137, 2179-2182.	6.6	304

#	ARTICLE	IF	CITATIONS
19	Wet chemical synthesis of nitrogen-doped graphene towards oxygen reduction electrocatalysts without high-temperature pyrolysis. <i>Journal of Materials Chemistry</i> , 2012, 22, 6575.	6.7	274
20	Chemical Cleavage of Layered Carbon Nitride with Enhanced Photoluminescent Performances and Photoconduction. <i>ACS Nano</i> , 2015, 9, 12480-12487.	7.3	251
21	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.	6.6	247
22	Self-doped SrTiO ₃ photocatalyst with enhanced activity for artificial photosynthesis under visible light. <i>Energy and Environmental Science</i> , 2011, 4, 4211.	15.6	244
23	Allosteric Inhibition of SHP2: Identification of a Potent, Selective, and Orally Efficacious Phosphatase Inhibitor. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 7773-7782.	2.9	229
24	Primary Reactions of the LOV2 Domain of Phototropin, a Plant Blue-Light Photoreceptor. <i>Biochemistry</i> , 2003, 42, 3385-3392.	1.2	214
25	Soft and hard templating of graphitic carbon nitride. <i>Journal of Materials Chemistry A</i> , 2015, 3, 14081-14092.	5.2	208
26	Toward Superior Capacitive Energy Storage: Recent Advances in Pore Engineering for Dense Electrodes. <i>Advanced Materials</i> , 2018, 30, e1705713.	11.1	195
27	Competitive Multiple-Mechanism-Driven Electrochemiluminescent Detection of 8-Hydroxy-2'-deoxyguanosine. <i>Journal of the American Chemical Society</i> , 2018, 140, 2801-2804.	6.6	162
28	Reversible Assembly of Graphitic Carbon Nitride 3D Network for Highly Selective Dyes Absorption and Regeneration. <i>ACS Nano</i> , 2016, 10, 9036-9043.	7.3	161
29	Unraveling fundamental active units in carbon nitride for photocatalytic oxidation reactions. <i>Nature Communications</i> , 2021, 12, 320.	5.8	150
30	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, 4797-4800.	1.6	149
31	Design and Synthesis of Multifunctional Materials Based on an Ionic-Liquid Backbone. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 5867-5870.	7.2	144
32	NaDyF ₄ Nanoparticles as T ₂ Contrast Agents for Ultrahigh Field Magnetic Resonance Imaging. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 524-529.	2.1	144
33	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, 3007-3012.	11.1	143
34	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.	5.2	142
35	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.	5.2	142
36	Poly-L-hsine Functionalization of Single-Walled Carbon Nanotubes. <i>Journal of Physical Chemistry B</i> , 2004, 108, 15343-15346.	1.2	141

#	ARTICLE	IF	CITATIONS
37	Direct synthesis of nanoporous carbon nitride fibers using Al-based porous coordination polymers (Al-PCPs). <i>Chemical Communications</i> , 2011, 47, 8124.	2.2	140
38	Nitrogen- and phosphorus-co-doped carbons with tunable enhanced surface areas promoted by the doping additives. <i>Chemical Communications</i> , 2013, 49, 1208.	2.2	139
39	Chemically Modulated Carbon Nitride Nanosheets for Highly Selective Electrochemiluminescent Detection of Multiple Metal-ions. <i>Analytical Chemistry</i> , 2016, 88, 6004-6010.	3.2	137
40	Copper Tannic Acid Coordination Nanosheet: A Potent Nanozyme for Scavenging ROS from Cigarette Smoke. <i>Small</i> , 2020, 16, e1902123.	5.2	136
41	Polymeric Carbon Nitrides: Semiconducting Properties and Emerging Applications in Photocatalysis and Photoelectrochemical Energy Conversion. <i>Science of Advanced Materials</i> , 2012, 4, 282-291.	0.1	136
42	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, 3239-3247.	1.6	134
43	Ultrafast Condensation of Carbon Nitride on Electrodes with Exceptional Boosted Photocurrent and Electrochemiluminescence. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1139-1143.	7.2	129
44	Photocurrent Generation by Polymeric Carbon Nitride Solids: An Initial Step towards a Novel Photovoltaic System. <i>Chemistry - an Asian Journal</i> , 2010, 5, 1307-1311.	1.7	128
45	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.	10.8	123
46	Functionalization of single-walled carbon nanotubes with Prussian blue. <i>Electrochemistry Communications</i> , 2004, 6, 1180-1184.	2.3	122
47	Colorimetric detection of influenza A virus using antibody-functionalized gold nanoparticles. <i>Analyst</i> , 2015, 140, 3989-3995.	1.7	122
48	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.	2.1	121
49	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.	2.2	119
50	Biopolymer-Activated Graphitic Carbon Nitride towards a Sustainable Photocathode Material. <i>Scientific Reports</i> , 2013, 3, 2163.	1.6	116
51	Thionine-interlinked multi-walled carbon nanotube/gold nanoparticle composites. <i>Carbon</i> , 2007, 45, 2111-2115.	5.4	115
52	Identification of TNO155, an Allosteric SHP2 Inhibitor for the Treatment of Cancer. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 13578-13594.	2.9	111
53	Dual Allosteric Inhibition of SHP2 Phosphatase. <i>ACS Chemical Biology</i> , 2018, 13, 647-656.	1.6	109
54	Electrochemiluminescence resonance energy transfer between graphene quantum dots and gold nanoparticles for DNA damage detection. <i>Analyst</i> , 2014, 139, 2404-2410.	1.7	107

#	ARTICLE	IF	CITATIONS
55	Recent advances of doped carbon as non-precious catalysts for oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2014, 2, 15704-15716.	5.2	107
56	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.	5.2	106
57	Monoclinic Tungsten Oxide with {100} Facet Orientation and Tuned Electronic Band Structure for Enhanced Photocatalytic Oxidations. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 10367-10374.	4.0	106
58	Synthetic Surfaces with Robust and Tunable Underwater Superoleophobicity. <i>Advanced Functional Materials</i> , 2015, 25, 1672-1681.	7.8	104
59	Azactone-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.	1.9	103
60	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.	10.8	103
61	A Base-Catalyzed Mechanism for Dark State Recovery in the <i>Avena sativa</i> Phototropin-1 LOV2 Domain. <i>Biochemistry</i> , 2007, 46, 3129-3137.	1.2	100
62	Superhydrophobic Thin Films Fabricated by Reactive Layer-by-Layer Assembly of Azactone-Functionalized Polymers. <i>Chemistry of Materials</i> , 2010, 22, 6319-6327.	3.2	99
63	A biomass derived N/C-catalyst for the electrochemical production of hydrogen peroxide. <i>Chemical Communications</i> , 2017, 53, 9994-9997.	2.2	99
64	Ultrafast spectroscopy of biological photoreceptors. <i>Current Opinion in Structural Biology</i> , 2007, 17, 623-630.	2.6	98
65	Preparation of Highly Conductive, Self-Assembled Gold/Polyaniline Nanocables and Polyaniline Nanotubes. <i>Chemistry - A European Journal</i> , 2006, 12, 5314-5319.	1.7	97
66	Covalent stabilization and functionalization of MXene via silylation reactions with improved surface properties. <i>FlatChem</i> , 2019, 17, 100128.	2.8	94
67	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.	5.2	89
68	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.	3.0	89
69	Oriented nano-structured hydroxyapatite from the template. <i>Chemical Physics Letters</i> , 2003, 376, 493-497.	1.2	88
70	Combinations with Allosteric SHP2 Inhibitor TNO155 to Block Receptor Tyrosine Kinase Signaling. <i>Clinical Cancer Research</i> , 2021, 27, 342-354.	3.2	88
71	The Fe-Nanozyme with Both Accelerated and Inhibited Biocatalytic Activities Capable of Accessing Drug-Drug Interactions. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14498-14503.	7.2	87
72	Potential-Modulated Electrochemiluminescence of Carbon Nitride Nanosheets for Dual-Signal Sensing of Metal Ions. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 23672-23678.	4.0	86

#	ARTICLE	IF	CITATIONS
73	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.	4.0	86
74	Carbon nanotubes and glucose oxidase bionanocomposite bridged by ionic liquid-like unit: Preparation and electrochemical properties. <i>Biosensors and Bioelectronics</i> , 2007, 23, 438-443.	5.3	85
75	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.	1.7	85
76	Immobilization of ionic liquid with polyelectrolyte as carrier. <i>Chemical Communications</i> , 2005, , 4193.	2.2	81
77	Synthesis of nanoparticles, their biocompatibility, and toxicity behavior for biomedical applications. <i>Journal of Materials Chemistry B</i> , 2013, 1, 5186.	2.9	80
78	Coupling polymorphic nanostructured carbon nitrides into an isotype heterojunction with boosted photocatalytic H ₂ evolution. <i>Chemical Communications</i> , 2017, 53, 2978-2981.	2.2	80
79	Electropolymerization and catalysis of well-dispersed polyaniline/carbon nanotube/gold composite. <i>Journal of Electroanalytical Chemistry</i> , 2007, 599, 121-126.	1.9	79
80	Primary Reactions of the LOV2 Domain of Phototropin Studied with Ultrafast Mid-Infrared Spectroscopy and Quantum Chemistry. <i>Biophysical Journal</i> , 2009, 97, 227-237.	0.2	79
81	Visual, Label-Free Telomerase Activity Monitor via Enzymatic Etching of Gold Nanorods. <i>Analytical Chemistry</i> , 2017, 89, 12094-12100.	3.2	77
82	Facile Preparation of WO ₃ 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.	7.2	77
83	Intrinsically Sulfur- and Nitrogen-doped Carbons from Thiazolium Salts. <i>Chemistry - A European Journal</i> , 2012, 18, 15416-15423.	1.7	76
84	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.	4.0	73
85	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.	6.6	72
86	Novel Fluorescence Switch for MicroRNA Imaging in Living Cells Based on DNAzyme Amplification Strategy. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 43405-43410.	4.0	72
87	Lanthanide-Based Heteroepitaxial Core-Shell Nanostructures: Compressive versus Tensile Strain Asymmetry. <i>ACS Nano</i> , 2014, 8, 10517-10527.	7.3	71
88	Metal-Free All-Carbon Nanohybrid for Ultrasensitive Photoelectrochemical Immunosensing of alpha-Fetoprotein. <i>ACS Sensors</i> , 2018, 3, 1385-1391.	4.0	70
89	Photoelectrochemical Properties of Nanomultiple CaFe ₂ O ₄ /ZnFe ₂ O ₄ Junction Photoelectrodes. <i>Langmuir</i> , 2013, 29, 3116-3124.	1.6	69
90	Novel direct growth of ZIF-67 derived Co ₃ O ₄ and N-doped carbon composites on carbon cloth as supercapacitor electrodes. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 493-503.	5.0	69

#	ARTICLE	IF	CITATIONS
91	Crystallinity Modulation of Layered Carbon Nitride for Enhanced Photocatalytic Activities. <i>Chemistry - A European Journal</i> , 2016, 22, 12449-12454.	1.7	66
92	Label-Free Detection of Telomerase Activity in Urine Using Telomerase-Responsive Porous Anodic Alumina Nanochannels. <i>Analytical Chemistry</i> , 2016, 88, 8107-8114.	3.2	64
93	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.	2.6	64
94	Carbon nitride of five-membered rings with low optical bandgap for photoelectrochemical biosensing. <i>CheM</i> , 2021, 7, 2708-2721.	5.8	64
95	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.	5.3	63
96	Conformational Heterogeneity and Propagation of Structural Changes in the LOV2/J \pm Domain from <i>Avena sativa</i> Phototropin 1 as Recorded by Temperature-Dependent FTIR Spectroscopy. <i>Biophysical Journal</i> , 2009, 97, 238-247.	0.2	61
97	Highly Selective and Sensitive Electrochemical Immunoassay of Cry1C Using Nanobody and π - π Stacked Graphene Oxide/Thionine Assembly. <i>Analytical Chemistry</i> , 2016, 88, 9830-9836.	3.2	61
98	6-Amino-3-methylpyrimidinones as Potent, Selective, and Orally Efficacious SHP2 Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 1793-1802.	2.9	61
99	Reinforcement of silica with single-walled carbon nanotubes through covalent functionalization. <i>Journal of Materials Chemistry</i> , 2006, 16, 4592.	6.7	60
100	Direct electron transfer of horseradish peroxidase and its electrocatalysis based on carbon nanotube/thionine/gold composites. <i>Electrochemistry Communications</i> , 2008, 10, 306-310.	2.3	59
101	Simultaneous Unlocking Optoelectronic and Interfacial Properties of C ₆₀ for Ultrasensitive Immunosensing by Coupling to Metal-Organic Framework. <i>Analytical Chemistry</i> , 2020, 92, 983-990.	3.2	59
102	Optimization of Fused Bicyclic Allosteric SHP2 Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 1781-1792.	2.9	58
103	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, 1796-1799.	2.2	57
104	Direct Immunoassay for Facile and Sensitive Detection of Small Molecule Aflatoxin B ₁ based on Nanobody. <i>Chemistry - A European Journal</i> , 2018, 24, 9869-9876.	1.7	57
105	Structural and Functional Consequences of Three Cancer-Associated Mutations of the Oncogenic Phosphatase SHP2. <i>Biochemistry</i> , 2016, 55, 2269-2277.	1.2	55
106	Molecular engineering of C _x N _y : Topologies, electronic structures and multidisciplinary applications. <i>Chinese Chemical Letters</i> , 2020, 31, 3047-3054.	4.8	54
107	Unfolding of the C-Terminal J \pm Helix in the LOV2 Photoreceptor Domain Observed by Time-Resolved Vibrational Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 3472-3476.	2.1	52
108	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.	3.2	52

#	ARTICLE	IF	CITATIONS
109	Doped-carbon electrocatalysts with trimodal porosity from a homogeneous polypeptide gel. <i>Journal of Materials Chemistry A</i> , 2013, 1, 13576.	5.2	51
110	Enhanced Enzymatic Reactivity for Electrochemically Driven Drug Metabolism by Confining Cytochrome P450 Enzyme in TiO ₂ Nanotube Arrays. <i>Analytical Chemistry</i> , 2014, 86, 8003-8009.	3.2	50
111	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.	2.2	49
112	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.	2.2	49
113	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.	4.0	49
114	Engineering of CdTe/SiO ₂ nanocomposites: Enhanced signal amplification and biocompatibility for electrochemiluminescent immunoassay of alpha-fetoprotein. <i>Biosensors and Bioelectronics</i> , 2019, 131, 178-184.	5.3	49
115	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.	5.2	48
116	Novel <i>In Situ</i> 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.	4.0	48
117	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.	4.0	47
118	Fabrication and Selective Functionalization of Amine-Reactive Polymer Multilayers on Topographically Patterned Microwell Cell Culture Arrays. <i>Biomacromolecules</i> , 2011, 12, 1998-2007.	2.6	46
119	A p-type Cr-doped TiO ₂ photo-electrode for photo-reduction. <i>Chemical Communications</i> , 2013, 49, 3440.	2.2	46
120	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, 23731-23740.	4.0	46
121	Chiroplasmonic Assemblies of Gold Nanoparticles for Ultrasensitive Detection of 8-Hydroxy-2'-deoxyguanosine in Human Serum Sample. <i>Analytical Chemistry</i> , 2016, 88, 6509-6514.	3.2	46
122	Coupling aptazyme and catalytic hairpin assembly for cascaded dual signal amplified electrochemiluminescence biosensing. <i>Biosensors and Bioelectronics</i> , 2020, 150, 111945.	5.3	46
123	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, 1421-1429.	4.0	45
124	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.	2.9	45
125	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.	4.0	45
126	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.	2.4	45

#	ARTICLE	IF	CITATIONS
127	Application of Spectral Crosstalk Correction for Improving Multiplexed MicroRNA Detection Using a Single Excitation Wavelength. <i>Analytical Chemistry</i> , 2017, 89, 3430-3436.	3.2	44
128	MXene Frameworks Promote the Growth and Stability of LiF-Rich Solidâ€“Electrolyte Interphases on Silicon Nanoparticle Bundles. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 18541-18550.	4.0	44
129	Photoelectrochemical reduction of carbon dioxide at CuInS ₂ /graphene hybrid thin film electrode. <i>Electrochimica Acta</i> , 2016, 193, 1-6.	2.6	43
130	Identification of an allosteric benzothiazolopyrimidone inhibitor of the oncogenic protein tyrosine phosphatase SHP2. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 6479-6485.	1.4	43
131	Dissolution and homogeneous photocatalysis of polymeric carbon nitride. <i>Chemical Science</i> , 2018, 9, 7912-7915.	3.7	42
132	A Dual Functional Self-Enhanced Electrochemiluminescent Nanohybrid for Label-Free MicroRNA Detection. <i>Analytical Chemistry</i> , 2021, 93, 8971-8977.	3.2	42
133	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.	1.7	41
134	Comparison Study of the Photoelectrochemical Activity of Carbon Nitride with Different Photoelectrode Configurations. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 22287-22294.	4.0	41
135	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.	2.6	41
136	One-step synthesis of 3D dendritic gold/polypyrrole nanocomposites via a self-assembly method. <i>Nanotechnology</i> , 2006, 17, 283-288.	1.3	40
137	Enzymatic reactivity of glucose oxidase confined in nanochannels. <i>Biosensors and Bioelectronics</i> , 2014, 55, 307-312.	5.3	39
138	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.	5.3	39
139	Bound oxygen-atom transfer endows peroxidase-mimic Mâ€“Nâ€“C with high substrate selectivity. <i>Chemical Science</i> , 2021, 12, 8865-8871.	3.7	39
140	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.	4.0	39
141	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.	2.6	38
142	Driving electrochemical oxygen reduction and hydrazine oxidation reaction by enzyme-inspired polymeric Cu(3,3â€“diaminobenzidine) catalyst. <i>Journal of Materials Chemistry A</i> , 2017, 5, 17413-17420.	5.2	38
143	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.	4.0	38
144	Selective local nitrogen doping in a TiO ₂ electrode for enhancing photoelectrochemical water splitting. <i>Chemical Communications</i> , 2012, 48, 8649.	2.2	37

#	ARTICLE	IF	CITATIONS
145	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, 142-151.	4.0	37
146	A sensitive, label-free electrochemical detection of telomerase activity without modification or immobilization. <i>Biosensors and Bioelectronics</i> , 2017, 91, 347-353.	5.3	37
147	Quantum dots for electrochemiluminescence bioanalysis - A review. <i>Analytica Chimica Acta</i> , 2022, 1209, 339140.	2.6	37
148	Exfoliation and Sensitization of 2D Carbon Nitride for Photoelectrochemical Biosensing under Red Light. <i>Chemistry - A European Journal</i> , 2019, 25, 15680-15686.	1.7	36
149	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.	2.6	36
150	An effective approach to synthesis of poly(methyl methacrylate)/silica nanocomposites. <i>Nanotechnology</i> , 2006, 17, 4796-4801.	1.3	35
151	Boosted Electrochemical Immunosensing of Genetically Modified Crop Markers Using Nanobody and Mesoporous Carbon. <i>ACS Sensors</i> , 2018, 3, 684-691.	4.0	35
152	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.	3.7	35
153	Ultrafast Condensation of Carbon Nitride on Electrodes with Exceptional Boosted Photocurrent and Electrochemiluminescence. <i>Angewandte Chemie</i> , 2020, 132, 1155-1159.	1.6	35
154	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.	4.0	35
155	Cascaded Nanozyme System with High Reaction Selectivity by Substrate Screening and Channeling in a Microfluidic Device**. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202112453.	7.2	35
156	Fabrication of CuInS ₂ thin film by electrodeposition of Cu-In alloy. <i>Vacuum</i> , 2014, 99, 196-203.	1.6	34
157	Photoelectrocatalytic reduction of carbon dioxide to methanol at cuprous oxide foam cathode. <i>RSC Advances</i> , 2017, 7, 24933-24939.	1.7	34
158	Evaluation of DNA methyltransferase activity and inhibition via chiroplasmonic assemblies of gold nanoparticles. <i>Chemical Communications</i> , 2015, 51, 14350-14353.	2.2	33
159	Synthesis of B-doped hollow carbon spheres as efficient non-metal catalyst for oxygen reduction reaction. <i>RSC Advances</i> , 2015, 5, 52126-52131.	1.7	33
160	High-Performance Sodium-Ion Battery Anode via Rapid Microwave Carbonization of Natural Cellulose Nanofibers with Graphene Initiator. <i>Small</i> , 2019, 15, e1901724.	5.2	33
161	Space-Confined 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.	2.5	33
162	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.	3.2	33

#	ARTICLE	IF	CITATIONS
163	Metal-doped carbon nitrides: synthesis, structure and applications. <i>New Journal of Chemistry</i> , 2021, 45, 11876-11892.	1.4	33
164	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.	4.6	32
165	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.	2.6	32
166	A fluorescence method for detection of DNA and DNA methylation based on graphene oxide and restriction endonuclease HpaII. <i>Talanta</i> , 2015, 131, 342-347.	2.9	32
167	Quartz Crystal Microbalance Detection of Poly(ADP-ribose) Polymerase-1 Based on Gold Nanorods Signal Amplification. <i>Analytical Chemistry</i> , 2019, 91, 11038-11044.	3.2	32
168	Directing single-walled carbon nanotubes to self-assemble at water/oil interfaces and facilitate electron transfer. <i>Chemical Communications</i> , 2008, , 4273.	2.2	31
169	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.	6.7	31
170	Assessment of lipid oxidation in cottonseed oil treated with phytonutrients: Kinetic and thermodynamic studies. <i>Industrial Crops and Products</i> , 2018, 124, 593-599.	2.5	31
171	Hotâ€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.	1.7	31
172	Functionalized polydiacetylene-glycolipid vesicles interacted with <i>Escherichia coli</i> under the TiO ₂ colloid. <i>Colloids and Surfaces B: Biointerfaces</i> , 2005, 40, 137-142.	2.5	30
173	A label-free ultrasensitive assay of 8-hydroxy-2â€-deoxyguanosine in human serum and urine samples via polyaniline deposition and tetrahedral DNA nanostructure. <i>Analytica Chimica Acta</i> , 2016, 946, 48-55.	2.6	30
174	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.	1.9	30
175	Recent Advances of Electrochemiluminescent System in Bioassay. <i>Journal of Analysis and Testing</i> , 2020, 4, 57-75.	2.5	30
176	Pd Nanoclusters Confined in ZIF-8 Matrixes for Fluorescent Detection of Glucose and Cholesterol. <i>ACS Applied Nano Materials</i> , 2021, 4, 9132-9142.	2.4	30
177	Synthesis of highly faceted multiply twinned gold nanocrystals stabilized by polyoxometalates. <i>Nanotechnology</i> , 2006, 17, 4689-4694.	1.3	29
178	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	29
179	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> , 2008, 516, 6531-6535.	0.8	29
180	Coral-shaped porous LiFePO ₄ /graphene hybrids for high rate and all-temperature battery applications. <i>Energy Storage Materials</i> , 2019, 21, 457-463.	9.5	29

#	ARTICLE	IF	CITATIONS
181	Preparation of carbon nitride nanoparticles by nanoprecipitation method with high yield and enhanced photocatalytic activity. <i>Chinese Chemical Letters</i> , 2020, 31, 513-516.	4.8	29
182	Harnessing Photoluminescent Properties of Carbon Nitride Nanosheets in a Hierarchical Matrix. <i>Advanced Functional Materials</i> , 2019, 29, 1905576.	7.8	28
183	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.	5.4	28
184	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> , 2007, 608, 78-83.	1.9	27
185	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.	1.3	27
186	Nanostructured 2D Diporphyrin Honeycomb Film: Photoelectrochemistry, Photodegradation, and Antibacterial Activity. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 11783-11791.	4.0	27
187	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.	2.9	27
188	A sensitive fluorescence turn-off 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.	4.0	27
189	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.	8.2	27
190	N-doped carbon dots triggered the induction of ROS-mediated cytoprotective autophagy in Hepa1-6 cells. <i>Chemosphere</i> , 2020, 251, 126440.	4.2	27
191	Resistance to allosteric SHP2 inhibition in FGFR-driven cancers through rapid feedback activation of FGFR. <i>Oncotarget</i> , 2020, 11, 265-281.	0.8	27
192	Comparison of two-typed (3-mercaptopropyl)trimethoxysilane-based networks on Au substrates. <i>Talanta</i> , 2005, 65, 481-488.	2.9	26
193	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.	4.0	26
194	Manganese oxide nanowires wrapped with nitrogen doped carbon layers for high performance supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2015, 455, 188-193.	5.0	25
195	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.	1.2	25
196	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.	2.6	25
197	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.	2.6	25
198	Recent advances of functional nucleic acids-based electrochemiluminescent sensing. <i>Biosensors and Bioelectronics</i> , 2021, 191, 113462.	5.3	25

#	ARTICLE	IF	CITATIONS
199	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.	1.9	24
200	Label-free fluorescence detection of DNA methylation and methyltransferase activity based on restriction endonuclease HpaII and exonuclease III. <i>Analyst</i> , 2014, 139, 6387-6392.	1.7	24
201	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.	2.3	24
202	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.	5.3	24
203	Solution-based processing of carbon nitride composite for boosted photocatalytic activities. <i>Chinese Chemical Letters</i> , 2018, 29, 437-440.	4.8	24
204	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.	4.0	24
205	Elucidating Orbital Delocalization Effects on Boosting Electrochemiluminescence Efficiency of Carbon Nitrides. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	24
206	Ion-Responsive Behavior of Ionic-Liquid Surfactant Aggregates with Applications in Controlled Release and Emulsification. <i>ChemPhysChem</i> , 2008, 9, 2198-2202.	1.0	23
207	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.	2.1	23
208	Multifunctional nanoprobe for cancer cell targeting and simultaneous fluorescence/magnetic resonance imaging. <i>Analytica Chimica Acta</i> , 2016, 938, 156-164.	2.6	22
209	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.	3.2	22
210	Electroactive gold nanoparticles protected by 4-ferrocene thiophenol monolayer. <i>Journal of Colloid and Interface Science</i> , 2003, 264, 109-113.	5.0	21
211	Fabrication of Oligonucleotide and Protein Arrays on Rigid and Flexible Substrates Coated with Reactive Polymer Multilayers. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 351-359.	4.0	21
212	Electropolymerization of polypyrrole on PSS-modified electrodes without added support electrolytes. <i>Journal of Electroanalytical Chemistry</i> , 2006, 596, 33-37.	1.9	20
213	Electronic and Protein Structural Dynamics of a Photosensory Histidine Kinase. <i>Biochemistry</i> , 2010, 49, 4752-4759.	1.2	20
214	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.	1.9	20
215	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.	4.0	20
216	Carbon Nitride Co-catalyst Activation Using N-Doped Carbon with Enhanced Photocatalytic H ₂ Evolution. <i>Langmuir</i> , 2019, 35, 12366-12373.	1.6	20

#	ARTICLE	IF	CITATIONS
217	Promoting condensation kinetics of polymeric carbon nitride for enhanced photocatalytic activities. <i>Chinese Chemical Letters</i> , 2020, 31, 115-118.	4.8	20
218	Mannose- <i>Escherichia coli</i> interaction in the presence of metal cations studied in vitro by colorimetric polydiacetylene/glycolipid liposomes. <i>Journal of Inorganic Biochemistry</i> , 2004, 98, 925-930.	1.5	19
219	Cytochrome P450 enzyme functionalized-quantum dots as photocatalysts for drug metabolism. <i>Chemical Communications</i> , 2014, 50, 7607-7610.	2.2	19
220	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.	1.7	19
221	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.	1.9	19
222	Validation of Inner, Second, and Outer Sphere Contributions to $T_{1\rho}$ and $T_{2\rho}$ 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.	1.5	19
223	Antimony selenide/graphene oxide composite for sensitive photoelectrochemical detection of DNA methyltransferase activity. <i>Journal of Materials Chemistry B</i> , 2019, 7, 6789-6795.	2.9	19
224	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.	2.7	19
225	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.	1.9	18
226	Fabrication of porous graphitic carbon nitride-titanium dioxide heterojunctions with enhanced photo-energy conversion activity. <i>Chinese Chemical Letters</i> , 2017, 28, 1312-1317.	4.8	18
227	Effect of Carbon Supports on Enhancing Mass Kinetic Current Density of Fe ²⁺ /C Electrocatalysts. <i>Chemistry - A European Journal</i> , 2017, 23, 14597-14603.	1.7	18
228	Manifold methods for telomerase activity detection based on various unique probes. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 105, 404-412.	5.8	18
229	Quantitation of DNA methyltransferase activity via chronocoulometry in combination with rolling chain amplification. <i>Biosensors and Bioelectronics</i> , 2016, 85, 25-31.	5.3	17
230	Modulating Stereoselectivity through Electrostatic Interactions in a SPINOL-Phosphoric Acid-Catalyzed Synthesis of 2,3-Dihydroquinazolinones. <i>ACS Catalysis</i> , 2020, 10, 12292-12299.	5.5	17
231	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.	5.2	16
232	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.	4.8	16
233	Biomimetic smart nanoplatform for dual imaging-guided synergistic cancer therapy. <i>Journal of Materials Chemistry B</i> , 2022, 10, 966-976.	2.9	16
234	Quantitative Evaluation of Biological Reaction Kinetics in Confined Nanospaces. <i>Analytical Chemistry</i> , 2014, 86, 8129-8135.	3.2	15

#	ARTICLE	IF	CITATIONS
235	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.	5.3	15
236	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.	1.3	15
237	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.	1.3	15
238	Helical Contributions Mediate Light-Activated Conformational Change in the LOV2 Domain of <i>Avena sativa</i> Phototropin 1. <i>ACS Omega</i> , 2019, 4, 1238-1243.	1.6	15
239	Quartz crystal microbalance for telomerase sensing based on gold nanoparticle induced signal amplification. <i>Chemical Communications</i> , 2019, 55, 5994-5997.	2.2	15
240	Water Molecule-Triggered Anisotropic Deformation of Carbon Nitride Nanoribbons Enabling Contactless Respiratory Inspection. <i>CCS Chemistry</i> , 2021, 3, 1615-1625.	4.6	15
241	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.	1.3	14
242	Electrochemically driven drug metabolism via a CYP1A2/UGT1A10 bienzyme confined in a graphene nano-cage. <i>Chemical Communications</i> , 2014, 50, 13896-13899.	2.2	14
243	Photoelectrochemical Reduction of Carbon Dioxide to Ethanol at Cu ₂ O Foam Cathode. <i>International Journal of Electrochemical Science</i> , 2017, 12, 8288-8294.	0.5	14
244	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.	1.4	14
245	The Fe-Ni Nanozyme with Both Accelerated and Inhibited Biocatalytic Activities Capable of Accessing Drug-Drug Interactions. <i>Angewandte Chemie</i> , 2020, 132, 14606-14611.	1.6	14
246	One-pot electrografting preparation of bifunctionalized carbon nanotubes for sensitive electrochemical immunosensing. <i>Journal of Electroanalytical Chemistry</i> , 2020, 860, 113906.	1.9	14
247	Enhanced energy storage ability of UIO66 active material on acid-treated carbon cloth for flexible supercapacitors. <i>Electrochimica Acta</i> , 2021, 380, 138241.	2.6	14
248	Re-Examination of Plotting Analytical Response against Different Forms of Concentration. <i>Analytical Chemistry</i> , 2021, 93, 11910-11914.	3.2	14
249	Photoactivation Mechanisms of Flavin-Binding Photoreceptors Revealed Through Ultrafast Spectroscopy and Global Analysis Methods. <i>Methods in Molecular Biology</i> , 2014, 1146, 401-442.	0.4	14
250	Lighting Up Electrochemiluminescence-Inactive Dyes via Grafting Enabled by Intramolecular Resonance Energy Transfer. <i>Analytical Chemistry</i> , 2022, 94, 3296-3302.	3.2	14
251	Enhanced affinochromism of polydiacetylene monolayer in response to bacteria by incorporating CdS nano-crystallites. <i>Colloids and Surfaces B: Biointerfaces</i> , 2004, 35, 41-44.	2.5	13
252	Simultaneous Synthesis of Polyaniline Nanotubules and Gold Nanoplates. <i>Crystal Growth and Design</i> , 2008, 8, 1827-1832.	1.4	13

#	ARTICLE	IF	CITATIONS
253	Preparation of colorless ionic liquids on water for spectroscopy. <i>Talanta</i> , 2009, 78, 805-808.	2.9	12
254	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.	1.3	12
255	Photoelectrochemical Reduction of CO ₂ to Alcohols at CuO/CuFeO ₂ Thin Film Electrode. <i>International Journal of Electrochemical Science</i> , 2019, 14, 8569-8578.	0.5	12
256	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.	2.9	12
257	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.	2.5	12
258	Continuous Fabrication of Slippery Liquid-Infused Coatings on Rolls of Flexible Materials. <i>ACS Applied Polymer Materials</i> , 2022, 4, 787-795.	2.0	12
259	Fast and facile preparation of superhigh aspect-ratio Cu ⁺ thiourea nanowires in large quantity. <i>Materials Letters</i> , 2007, 61, 3632-3634.	1.3	11
260	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.	3.2	11
261	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.	2.6	10
262	Slippery Antifouling Polymer Coatings Fabricated Entirely from Biodegradable and Biocompatible Components. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 17940-17949.	4.0	10
263	Nitrogen-doped porous carbon with a hierarchical structure prepared for a high performance symmetric supercapacitor. <i>RSC Advances</i> , 2016, 6, 101988-101994.	1.7	9
264	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.	2.5	9
265	Hierarchically porous carbon cages synthesized through in situ migration of templates. <i>Chinese Chemical Letters</i> , 2020, 31, 303-306.	4.8	9
266	Quantitative evaluation of O ₂ activation half-reaction for Fe ⁺ N ⁺ C in oxidase-like activity enhancement. <i>Catalysis Science and Technology</i> , 2021, 11, 7255-7259.	2.1	9
267	Controlled synthesis of 2D Au nanostructure assembly with the assistance of sulfonated polyaniline nanotubes. <i>Nanotechnology</i> , 2006, 17, 2641-2648.	1.3	8
268	Novel synthesis of ZIF67-derived MnCo ₂ O ₄ nanotubes using electrospinning and hydrothermal techniques for supercapacitor. <i>Journal of Solid State Chemistry</i> , 2022, 313, 123351.	1.4	8
269	Surface plasmon-enhanced electrochemiluminescence of P, N-doped carbon dots for ultrasensitive detection of BRAF gene. <i>Sensors and Actuators B: Chemical</i> , 2022, 369, 132288.	4.0	8
270	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.	0.8	7

#	ARTICLE	IF	CITATIONS
271	One-Pot Synthesis of Metal-Doped Mesoporous Materials from (Dicyanamido)metallate Precursors. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 4105-4116.	1.0	7
272	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.	1.9	7
273	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.	1.3	7
274	Polymeric carbon nitride-based materials: Rising stars in bioimaging. <i>Biosensors and Bioelectronics</i> , 2022, 211, 114370.	5.3	7
275	Electrochemical study of 4-ferrocene thiophenol monolayers assembled on gold nanoparticles. <i>Microelectronic Engineering</i> , 2003, 66, 91-94.	1.1	6
276	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.	1.7	6
277	Communication—Potential Pulsing Photoelectrochemical Reduction of Carbon Dioxide to Ethanol. <i>Journal of the Electrochemical Society</i> , 2016, 163, E305-E307.	1.3	6
278	Electrochemiluminescent detection of hNQO1 and associated drug screening enabled by futile redox cycle reaction. <i>Sensors and Actuators B: Chemical</i> , 2020, 321, 128557.	4.0	6
279	Recovery of β -Carotene on Graphene Nanoplatelets LiO-66 Nanocomposites. <i>Journal of Chemical & Engineering Data</i> , 2020, 65, 821-827.	1.0	6
280	PCN-222@g-C ₃ N ₄ cathodic materials for CO_2 photoelectrochemical sensing of kanamycin sulfate. <i>RSC Advances</i> , 2021, 11, 28320-28325.	1.7	6
281	Target-Specific Magnetic Resonance Imaging of Human Prostate Adenocarcinoma Using NaDyF ₄ @NaGdF ₄ Core-Shell Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 24345-24355.	4.0	6
282	Nitrogen-Doped Titanium Monoxide Flexible Membrane for a Low-Cost, Biocompatible, and Durable Raman Scattering Substrate. <i>Analytical Chemistry</i> , 2021, 93, 12776-12785.	3.2	6
283	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.	2.8	5
284	Enhanced Metabolic Activity of Cytochrome P450 via Carbon Nanocage-Based Photochemical Bionanoreactor. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 41956-41961.	4.0	5
285	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.	3.2	5
286	A model study for decolorization reasons: β -carotene removal and its kinetics and thermodynamics behaviors. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 7755-7761.	2.9	5
287	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.	2.5	5
288	Cascaded Nanozyme System with High Reaction Selectivity by Substrate Screening and Channeling in a Microfluidic Device**. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	5

#	ARTICLE	IF	CITATIONS
289	Assessment of a New Approach Method for Grouped Chemical Hazard Estimation: The Toxicity-Normalized Species Sensitivity Distribution (SSDn). <i>Environmental Science & Technology</i> , 2022, 56, 8278-8289.	4.6	5
290	Photoreaction Dynamics of Red-Shifting Retinal Analogues Reconstituted in Proteorhodopsin. <i>Journal of Physical Chemistry B</i> , 2019, 123, 4242-4250.	1.2	4
291	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.	3.2	4
292	Carbon Nitride-Based Biosensors. , 2021, , 175-225.		4
293	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.	2.0	3
294	Graphene Nanocomposites in Optoelectronics. , 2015, , 131-156.		2
295	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> , 2021, 168, 066505.	1.3	2
296	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> , 2022, 19, 31.	2.8	2
297	Facile Preparation of WO ₃ x Dots with Remarkably Low Toxicity and Uncompromised Activity as Co-reactants for Clinical Diagnosis by Electrochemiluminescence. <i>Angewandte Chemie</i> , 2020, 132, 16890.	1.6	1
298	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.	1.4	1
299	Imidazolium-Based Ionic Liquid Functional Materials and Their Application to Electroanalytical Chemistry. , 2011, , 145-181.		0