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	7568 77 h-index	8630 146 g-index
332 all docs	332 docs citations	332 times ranked	28476 citing authors

#	Article	IF	Citations
1	A model study for decolorization reasons: Î²-carotene removal and its kinetics and thermodynamics behaviors. Biomass Conversion and Biorefinery, 2023, 13, 7755-7761.	4.6	5
2	Quantum dots for electrochemiluminescence bioanalysis - A review. Analytica Chimica Acta, 2022, 1209, 339140.	5.4	37
3	Novel direct growth of ZIF-67 derived Co3O4 and N-doped carbon composites on carbon cloth as supercapacitor electrodes. Journal of Colloid and Interface Science, 2022, 608, 493-503.	9.4	69
4	Cascaded Nanozyme System with High Reaction Selectivity by Substrate Screening and Channeling in a Microfluidic Device**. Angewandte Chemie - International Edition, 2022, 61, e202112453.	13.8	35
5	Cascaded Nanozyme System with High Reaction Selectivity by Substrate Screening and Channeling in a Microfluidic Device**. Angewandte Chemie, 2022, 134, .	2.0	5
6	Biomimetic smart nanoplatform for dual imaging-guided synergistic cancer therapy. Journal of Materials Chemistry B, 2022, 10, 966-976.	5.8	16
7	Reactive Multilayers and Coatings Fabricated by Spray Assembly: Influence of Polymer Structure and Process Parameters on Multiscale Structure and Interfacial Properties. Chemistry of Materials, 2022, 34, 1245-1258.	6.7	11
8	Continuous Fabrication of Slippery Liquid-Infused Coatings on Rolls of Flexible Materials. ACS Applied Polymer Materials, 2022, 4, 787-795.	4.4	12
9	Lighting Up Electrochemiluminescence-Inactive Dyes via Grafting Enabled by Intramolecular Resonance Energy Transfer. Analytical Chemistry, 2022, 94, 3296-3302.	6.5	14
10	Slippery Antifouling Polymer Coatings Fabricated Entirely from Biodegradable and Biocompatible Components. ACS Applied Materials & Interfaces, 2022, 14, 17940-17949.	8.0	10
11	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.	6.2	2
12	Assessment of a New Approach Method for Grouped Chemical Hazard Estimation: The Toxicity-Normalized Species Sensitivity Distribution (SSDn). Environmental Science & Technology, 2022, 56, 8278-8289.	10.0	5
13	Polymeric carbon nitride-based materials: Rising stars in bioimaging. Biosensors and Bioelectronics, 2022, 211, 114370.	10.1	7
14	Novel synthesis of ZIF67-derived MnCo2O4 nanotubes using electrospinning and hydrothermal techniques for supercapacitor. Journal of Solid State Chemistry, 2022, 313, 123351.	2.9	8
15	Elucidating Orbital Delocalization Effects on Boosting Electrochemiluminescence Efficiency of Carbon Nitrides. Advanced Optical Materials, 2022, 10, .	7.3	24
16	Surface plasmon-enhanced electrochemiluminescence of P, N-doped carbon dots for ultrasensitive detection of BRAF gene. Sensors and Actuators B: Chemical, 2022, 369, 132288.	7.8	8
17	Rational design of robust nano-Si/graphite nanocomposites anodes with strong interfacial adhesion for high-performance lithium-ion batteries. Chinese Chemical Letters, 2021, 32, 910-913.	9.0	16
18	Combinations with Allosteric SHP2 Inhibitor TNO155 to Block Receptor Tyrosine Kinase Signaling. Clinical Cancer Research, 2021, 27, 342-354.	7.0	88

#	Article	IF	Citations
19	PCN-222@g-C₃N₄ cathodic materials for â€œsignal-offâ€•photoelectrochemical sensing of kanamycin sulfate. RSC Advances, 2021, 11, 28320-28325.	3.6	6
20	Universal strategy using environment-friendly inorganic compounds for the preparation of porous carbon nitride for efficient photocatalytic hydrogen production and environmental remediation. New Journal of Chemistry, 2021, 45, 4303-4310.	2.8	1
21	QM calculations predict the energetics and infrared spectra of transient glutamine isomers in LOV photoreceptors. Physical Chemistry Chemical Physics, 2021, 23, 13934-13950.	2.8	7
22	Bound oxygen-atom transfer endows peroxidase-mimic Mâ€“Nâ€“C with high substrate selectivity. Chemical Science, 2021, 12, 8865-8871.	7.4	39
23	Metal-doped carbon nitrides: synthesis, structure and applications. New Journal of Chemistry, 2021, 45, 11876-11892.	2.8	33
24	Unraveling fundamental active units in carbon nitride for photocatalytic oxidation reactions. Nature Communications, 2021, 12, 320.	12.8	150
25	Understanding the Noncollinear Antiferromagnetic IrMn3 Surfaces and Their Exchange-Biased Heterostructures from First-Principles. ACS Applied Electronic Materials, 2021, 3, 1086-1096.	4.3	3
26	Efficient pore engineering in carbonized zeolitic imidazolate Framework-8 via chemical and physical methods as active materials for supercapacitors. Journal of Power Sources, 2021, 486, 229370.	7.8	38
27	A yolk-shell structured CoS2@NC@CNC with double carbon shell coating from confined derivatization of ZIF-67 growth in carbon nanocages for superior Li storage. Electrochimica Acta, 2021, 371, 137773.	5.2	25
28	Systematic synthesis of ZIF-67 derived Co3O4 and N-doped carbon composite for supercapacitors via successive oxidation and carbonization. Electrochimica Acta, 2021, 376, 137986.	5.2	64
29	Synthesizing novel NH4CoxNi1-xF3 as electroactive material for supercapacitors using 2-methylimidazole: Study of reaction durations. Journal of Power Sources, 2021, 494, 229754.	7.8	39
30	Target-Specific Magnetic Resonance Imaging of Human Prostate Adenocarcinoma Using NaDyF4â€“NaGdF4 Coreâ€“Shell Nanoparticles. ACS Applied Materials & Interfaces, 2021, 13, 24345-24355.	8.0	6
31	CuFeO₂/CuInS₂ Composite Thin Film Photocathode Prepared by Template Method for CO₂ Conversion Into Methanol. Journal of the Electrochemical Society, 2021, 168, 066505.	2.9	2
32	A Dual Functional Self-Enhanced Electrochemiluminescent Nanohybrid for Label-Free MicroRNA Detection. Analytical Chemistry, 2021, 93, 8971-8977.	6.5	42
33	Carbon Nitrideâ€“Based Biosensors. , 2021, , 175-225.		4
34	Enhanced energy storage ability of UIO66 active material on acid-treated carbon cloth for flexible supercapacitors. Electrochimica Acta, 2021, 380, 138241.	5.2	14
35	Water Molecule-Triggered Anisotropic Deformation of Carbon Nitride Nanoribbons Enabling Contactless Respiratory Inspection. CCS Chemistry, 2021, 3, 1615-1625.	7.8	15
36	Carbon nitride of five-membered rings with low optical bandgap for photoelectrochemical biosensing. CheM, 2021, 7, 2708-2721.	11.7	64

#	Article	IF	Citations
37	Re-Examination of Plotting Analytical Response against Different Forms of Concentration. Analytical Chemistry, 2021, 93, 11910-11914.	6.5	14
38	Novel In Situ Synthesis of Freestanding Carbonized ZIF67/Polymer Nanofiber Electrodes for Supercapacitors via Electrospinning and Pyrolysis Techniques. ACS Applied Materials & Interfaces, 2021, 13, 41637-41648.	8.0	48
39	Pd Nanoclusters Confined in ZIF-8 Matrixes for Fluorescent Detection of Glucose and Cholesterol. ACS Applied Nano Materials, 2021, 4, 9132-9142.	5.0	30
40	Facile synthesis of perovskite ZIF67 derivative using ammonia fluoride and comparison with post-treated ZIF67 derivatives on energy storage ability. Electrochimica Acta, 2021, 389, 138680.	5.2	41
41	Nitrogen-Doped Titanium Monoxide Flexible Membrane for a Low-Cost, Biocompatible, and Durable Raman Scattering Substrate. Analytical Chemistry, 2021, 93, 12776-12785.	6.5	6
42	Recent advances of functional nucleic acids-based electrochemiluminescent sensing. Biosensors and Bioelectronics, 2021, 191, 113462.	10.1	25
43	Improving energy storage ability of acid-treated carbon fibers via simple sonication and heat treatments for flexible supercapacitors. Energy Reports, 2021, 7, 4205-4213.	5.1	5
44	Quantitative evaluation of O₂ activation half-reaction for Feâ€“Nâ€“C in oxidase-like activity enhancement. Catalysis Science and Technology, 2021, 11, 7255-7259.	4.1	9
45	Preparation of carbon nitride nanoparticles by nanoprecipitation method with high yield and enhanced photocatalytic activity. Chinese Chemical Letters, 2020, 31, 513-516.	9.0	29
46	Hierarchically porous carbon cages synthesized through in situ migration of templates. Chinese Chemical Letters, 2020, 31, 303-306.	9.0	9
47	Copper Tannic Acid Coordination Nanosheet: A Potent Nanozyme for Scavenging ROS from Cigarette Smoke. Small, 2020, 16, e1902123.	10.0	136
48	Promoting condensation kinetics of polymeric carbon nitride for enhanced photocatalytic activities. Chinese Chemical Letters, 2020, 31, 115-118.	9.0	20
49	Ultrafast Condensation of Carbon Nitride on Electrodes with Exceptional Boosted Photocurrent and Electrochemiluminescence. Angewandte Chemie, 2020, 132, 1155-1159.	2.0	35
50	Ultrafast Condensation of Carbon Nitride on Electrodes with Exceptional Boosted Photocurrent and Electrochemiluminescence. Angewandte Chemie - International Edition, 2020, 59, 1139-1143.	13.8	129
51	Membrane matters: The impact of a nanodisc-bilayer or a detergent microenvironment on the properties of two eubacterial rhodopsins. Biochimica Et Biophysica Acta - Biomembranes, 2020, 1862, 183113.	2.6	14
52	Simultaneous Unlocking Optoelectronic and Interfacial Properties of C₆₀ for Ultrasensitive Immunosensing by Coupling to Metalâ€“Organic Framework. Analytical Chemistry, 2020, 92, 983-990.	6.5	59
53	Coupling aptazyme and catalytic hairpin assembly for cascaded dual signal amplified electrochemiluminescence biosensing. Biosensors and Bioelectronics, 2020, 150, 111945.	10.1	46
54	Space-Confined Synthesis of Yolkâ€“Shell Structured Co₃O₄/Nitrogen-Doped Carbon Nanocomposites with Hollow Mesoporous Carbon Nanocages as Advanced Functional Anodes for Lithium-Ion Batteries. ACS Applied Energy Materials, 2020, 3, 11153-11163.	5.1	33

#	Article	IF	Citations
55	Study of pH value effect on synthesizing UIO-66 and carbonized UIO-66 as active material for solid-state supercapacitors. Journal of the Taiwan Institute of Chemical Engineers, 2020, 116, 197-204.	5.3	19
56	Influence of Side Chain Hydrolysis on the Evolution of Nanoscale Roughness and Porosity in Amine-Reactive Polymer Multilayers. Chemistry of Materials, 2020, 32, 6935-6946.	6.7	4
57	Molecular engineering of CxNy: Topologies, electronic structures and multidisciplinary applications. Chinese Chemical Letters, 2020, 31, 3047-3054.	9.0	54
58	Photo-electrochemical Reduction of Carbon Dioxide into Methanol at CuFeO2 Nanoparticle-Decorated CuInS2 Thin-Film Photocathodes. Energy & Fuels, 2020, 34, 9914-9922.	5.1	12
59	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. Journal of Materials Chemistry A, 2020, 8, 21327-21338.	10.3	16
60	Identification of TNO155, an Allosteric SHP2 Inhibitor for the Treatment of Cancer. Journal of Medicinal Chemistry, 2020, 63, 13578-13594.	6.4	111
61	Modulating Stereoselectivity through Electrostatic Interactions in a SPINOL-Phosphoric Acid-Catalyzed Synthesis of 2,3-Dihydroquinazolinones. ACS Catalysis, 2020, 10, 12292-12299.	11.2	17
62	The Feâ€Nâ€C Nanozyme with Both Accelerated and Inhibited Biocatalytic Activities Capable of Accessing Drugâ€“Drug Interactions. Angewandte Chemie, 2020, 132, 14606-14611.	2.0	14
63	Recent Advances of Electrochemiluminescent System in Bioassay. Journal of Analysis and Testing, 2020, 4, 57-75.	5.1	30
64	The Feâ€Nâ€C Nanozyme with Both Accelerated and Inhibited Biocatalytic Activities Capable of Accessing Drugâ€“Drug Interactions. Angewandte Chemie - International Edition, 2020, 59, 14498-14503.	13.8	87
65	Facile Preparation of WO_{3â^'x} Dots with Remarkably Low Toxicity and Uncompromised Activity as Coâ€reactants for Clinical Diagnosis by Electrochemiluminescence. Angewandte Chemie - International Edition, 2020, 59, 16747-16754.	13.8	77
66	Facile Preparation of WO 3â^' x Dots with Remarkably Low Toxicity and Uncompromised Activity as Coâ€reactants for Clinical Diagnosis by Electrochemiluminescence. Angewandte Chemie, 2020, 132, 16890.	2.0	1
67	N-doped carbon dots triggered the induction of ROS-mediated cytoprotective autophagy in Hepa1-6 cells. Chemosphere, 2020, 251, 126440.	8.2	27
68	Electrochemiluminescent detection of hNQO1 and associated drug screening enabled by futile redox cycle reaction. Sensors and Actuators B: Chemical, 2020, 321, 128557.	7.8	6
69	Coupling metal-organic framework nanosphere and nanobody for boosted photoelectrochemical immunoassay of Human Epididymis Protein 4. Analytica Chimica Acta, 2020, 1107, 145-154.	5.4	36
70	Recovery of Î²-Carotene on Graphene Nanoplatelets UiO-66 Nanocomposites. Journal of Chemical & Engineering Data, 2020, 65, 821-827.	1.9	6
71	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. ACS Sustainable Chemistry and Engineering, 2020, 8, 2453-2461.	6.7	33
72	One-pot electrografting preparation of bifunctionalized carbon nanotubes for sensitive electrochemical immunosensing. Journal of Electroanalytical Chemistry, 2020, 860, 113906.	3.8	14

#	Article	IF	Citations
73	Single 2D MXene precursor-derived TiO2 nanosheets with a uniform decoration of amorphous carbon for enhancing photocatalytic water splitting. Applied Catalysis B: Environmental, 2020, 270, 118885.	20.2	103
74	Reconstructing hydrophobic ZIF-8 crystal into hydrophilic hierarchically-porous nanoflowers as catalyst carrier for nonenzymatic glucose sensing. Sensors and Actuators B: Chemical, 2020, 313, 128031.	7.8	35
75	MXene Frameworks Promote the Growth and Stability of LiF-Rich Solidâ€“Electrolyte Interphases on Silicon Nanoparticle Bundles. ACS Applied Materials & Interfaces, 2020, 12, 18541-18550.	8.0	44
76	Resistance to allosteric SHP2 inhibition in FGFR-driven cancers through rapid feedback activation of FGFR. Oncotarget, 2020, 11, 265-281.	1.8	27
77	Highly sensitive fluorescent bioassay of 2,3,7,8-tetrachloro-dibenzo-p-dioxin based on abnormal expression of cytochrome P450 1A2 in human cells. Analytica Chimica Acta, 2019, 1046, 179-184.	5.4	10
78	Covalent stabilization and functionalization of MXene via silylation reactions with improved surface properties. FlatChem, 2019, 17, 100128.	5.6	94
79	Quartz Crystal Microbalance Detection of Poly(ADP-ribose) Polymerase-1 Based on Gold Nanorods Signal Amplification. Analytical Chemistry, 2019, 91, 11038-11044.	6.5	32
80	Communicationâ€”Lithium-Doped CuFeO₂ Thin Film Electrodes for Photoelectrochemical Reduction of Carbon Dioxide to Methanol. Journal of the Electrochemical Society, 2019, 166, H718-H720.	2.9	15
81	Promoting Photodegradation Efficiency via a Heterojunction Photocatalyst Combining with Oxygen Direct and Fast Diffusion from the Gas Phase to Active Catalytic Sites. ACS Applied Materials & Interfaces, 2019, 11, 44922-44930.	8.0	24
82	Bioinspired in Vitro Lung Airway Model for Inflammatory Analysis via Hydrophobic Nanochannel Membrane with Joint Three-Phase Interface. Analytical Chemistry, 2019, 91, 15804-15810.	6.5	5
83	Harnessing Photoluminescent Properties of Carbon Nitride Nanosheets in a Hierarchical Matrix. Advanced Functional Materials, 2019, 29, 1905576.	14.9	28
84	Exfoliation and Sensitization of 2D Carbon Nitride for Photoelectrochemical Biosensing under Red Light. Chemistry - A European Journal, 2019, 25, 15680-15686.	3.3	36
85	Highâ€Performance Sodiumâ€Ion Battery Anode via Rapid Microwave Carbonization of Natural Cellulose Nanofibers with Graphene Initiator. Small, 2019, 15, e1901724.	10.0	33
86	Carbon Nitride Co-catalyst Activation Using N-Doped Carbon with Enhanced Photocatalytic H₂ Evolution. Langmuir, 2019, 35, 12366-12373.	3.5	20
87	Photoelectrochemical Reduction of CO2 to Alcohols at CuO/CuFeO2 Thin Film Electrode. International Journal of Electrochemical Science, 2019, 14, 8569-8578.	1.3	12
88	Hemicyanine-based near-infrared fluorescent probe for the ultrasensitive detection of hNQO1 activity and discrimination ofÂhuman cancer cells. Analytica Chimica Acta, 2019, 1090, 125-132.	5.4	25
89	Optimization of Fused Bicyclic Allosteric SHP2 Inhibitors. Journal of Medicinal Chemistry, 2019, 62, 1781-1792.	6.4	58
90	6-Amino-3-methylpyrimidinones as Potent, Selective, and Orally Efficacious SHP2 Inhibitors. Journal of Medicinal Chemistry, 2019, 62, 1793-1802.	6.4	61

#	Article	IF	Citations
91	Helical Contributions Mediate Light-Activated Conformational Change in the LOV2 Domain of Avena sativa Phototropin 1. ACS Omega, 2019, 4, 1238-1243.	3.5	15
92	Coral-shaped porous LiFePO4/graphene hybrids for high rate and all-climate battery applications. Energy Storage Materials, 2019, 21, 457-463.	18.0	29
93	Recovery of polyphenols from water using Zr-based metal-organic frameworks and their nanocomposites with graphene nanoplatelets. Journal of Industrial and Engineering Chemistry, 2019, 78, 164-171.	5.8	12
94	Hotâ€Tailoring of Carbon Nitride Dots with Redshifted Photoluminescence for Visual Double Text Encryption and Bioimaging. Chemistry - A European Journal, 2019, 25, 10188-10196.	3.3	31
95	Photoreaction Dynamics of Red-Shifting Retinal Analogues Reconstituted in Proteorhodopsin. Journal of Physical Chemistry B, 2019, 123, 4242-4250.	2.6	4
96	Rational Design of the Robust Janus Shell on Silicon Anodes for High-Performance Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2019, 11, 17375-17383.	8.0	49
97	Quartz crystal microbalance for telomerase sensing based on gold nanoparticle induced signal amplification. Chemical Communications, 2019, 55, 5994-5997.	4.1	15
98	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). Chemical Science, 2019, 10, 3706-3714.	7.4	35
99	Engineering of CdTe/SiO2 nanocomposites: Enhanced signal amplification and biocompatibility for electrochemiluminescent immunoassay of alpha-fetoprotein. Biosensors and Bioelectronics, 2019, 131, 178-184.	10.1	49
100	Boosting the Sensitivity of a Photoelectrochemical Immunoassay by Using SiO₂@polydopamine Coreâ€“Shell Nanoparticles as a Highly Efficient Quencher. ACS Applied Nano Materials, 2019, 2, 1579-1588.	5.0	45
101	Antimony selenide/graphene oxide composite for sensitive photoelectrochemical detection of DNA methyltransferase activity. Journal of Materials Chemistry B, 2019, 7, 6789-6795.	5.8	19
102	Non-covalent pre-organization of molecular precursors: A facile approach for engineering structures and activities of pyrolyzed Co-N-CÂelectrocatalysts. Carbon, 2019, 144, 312-320.	10.3	28
103	Agglomeration-resistant 2D nanoflakes configured with super electronic networks for extraordinary fast and stable sodium-ion storage. Nano Energy, 2019, 56, 502-511.	16.0	27
104	Molecular engineering of polymeric carbon nitride: advancing applications from photocatalysis to biosensing and more. Chemical Society Reviews, 2018, 47, 2298-2321.	38.1	488
105	Fast and highly efficient removal of 2,4-D using amino-functionalized poly (glycidyl methacrylate) adsorbent: Optimization, equilibrium, kinetic and thermodynamic studies. Journal of Molecular Liquids, 2018, 260, 195-202.	4.9	24
106	Boosted Electrochemical Immunosensing of Genetically Modified Crop Markers Using Nanobody and Mesoporous Carbon. ACS Sensors, 2018, 3, 684-691.	7.8	35
107	Competitive Multiple-Mechanism-Driven Electrochemiluminescent Detection of 8-Hydroxy-2â€²-deoxyguanosine. Journal of the American Chemical Society, 2018, 140, 2801-2804.	13.7	162
108	Highly Sensitive and Quality Self-Testable Electrochemiluminescence Assay of DNA Methyltransferase Activity Using Multifunctional Sandwich-Assembled Carbon Nitride Nanosheets. ACS Applied Materials & Interfaces, 2018, 10, 6887-6894.	8.0	45

#	Article	IF	Citations
109	Counterions-mediated gold nanorods-based sensor for label-free detection of poly(ADP-ribose) polymerase-1 activity and its inhibitor. Sensors and Actuators B: Chemical, 2018, 259, 565-572.	7.8	26
110	Dual Allosteric Inhibition of SHP2 Phosphatase. ACS Chemical Biology, 2018, 13, 647-656.	3.4	109
111	Detection of PARP-1 activity based on hyperbranched-poly (ADP-ribose) polymers responsive current in artificial nanochannels. Biosensors and Bioelectronics, 2018, 113, 136-141.	10.1	24
112	Toward Superior Capacitive Energy Storage: Recent Advances in Pore Engineering for Dense Electrodes. Advanced Materials, 2018, 30, e1705713.	21.0	195
113	Solution-based processing of carbon nitride composite for boosted photocatalytic activities. Chinese Chemical Letters, 2018, 29, 437-440.	9.0	24
114	Dissolution and homogeneous photocatalysis of polymeric carbon nitride. Chemical Science, 2018, 9, 7912-7915.	7.4	42
115	An enzyme cascade-based electrochemical immunoassay using a polydopamineâ€“carbon nanotube nanocomposite for signal amplification. Journal of Materials Chemistry B, 2018, 6, 8180-8187.	5.8	27
116	Novel Fluorescence Switch for MicroRNA Imaging in Living Cells Based on DNAzyme Amplification Strategy. ACS Applied Materials & Interfaces, 2018, 10, 43405-43410.	8.0	72
117	Enhanced Metabolic Activity of Cytochrome P450 via Carbon Nanocage-Based Photochemical Bionanoreactor. ACS Applied Materials & Interfaces, 2018, 10, 41956-41961.	8.0	5
118	Reduction of CO₂ to Ethanol on Cu-In/CuInS₂ Composite Thin Film Photocathode. Journal of the Electrochemical Society, 2018, 165, H1066-H1071.	2.9	12
119	Feâ€“Nâ€“C Artificial Enzyme: Activation of Oxygen for Dehydrogenation and Monoxygenation of Organic Substrates under Mild Condition and Cancer Therapeutic Application. ACS Applied Materials & Interfaces, 2018, 10, 35327-35333.	8.0	73
120	Direct Immunoassay for Facile and Sensitive Detection of Small Molecule Aflatoxin B₁ based on Nanobody. Chemistry - A European Journal, 2018, 24, 9869-9876.	3.3	57
121	Metal-Free All-Carbon Nanohybrid for Ultrasensitive Photoelectrochemical Immunosensing of alpha-Fetoprotein. ACS Sensors, 2018, 3, 1385-1391.	7.8	70
122	A biomass derived nitrogen doped carbon fibers as efficient catalysts for the oxygen reduction reaction. Journal of Electroanalytical Chemistry, 2018, 824, 60-66.	3.8	30
123	A photoelectrochemical immunoassay for tumor necrosis factor-Î± using a GO-PTCNH2 nanohybrid as a probe. Journal of Electroanalytical Chemistry, 2018, 824, 195-200.	3.8	19
124	A sensitive fluorescence â€œturn-off-onâ€•biosensor for poly(ADP-ribose) polymerase-1 detection based on cationic conjugated polymer-MnO2 nanosheets. Sensors and Actuators B: Chemical, 2018, 273, 1047-1053.	7.8	27
125	Validation of Inner, Second, and Outer Sphere Contributions to T₁ and T₂ Relaxation in Gd³⁺-Based Nanoparticles Using Eu³⁺ Lifetime Decay as a Probe. Journal of Physical Chemistry C, 2018, 122, 11557-11569.	3.1	19
126	Assessment of lipid oxidation in cottonseed oil treated with phytonutrients: Kinetic and thermodynamic studies. Industrial Crops and Products, 2018, 124, 593-599.	5.2	31

#	Article	IF	Citations
127	Manifold methods for telomerase activity detection based on various unique probes. TrAC - Trends in Analytical Chemistry, 2018, 105, 404-412.	11.4	18
128	Coupled Fluorometer-Potentiostat System and Metal-Free Monochromatic Luminophores for High-Resolution Wavelength-Resolved Electrochemiluminescent Multiplex Bioassay. ACS Sensors, 2018, 3, 1362-1367.	7.8	47
129	Construction of Three-Dimensional Hemin-Functionalized Graphene Hydrogel with High Mechanical Stability and Adsorption Capacity for Enhancing Photodegradation of Methylene Blue. ACS Applied Materials & Interfaces, 2017, 9, 4006-4014.	8.0	86
130	Coupling multiphase-Fe and hierarchical N-doped graphitic carbon as trifunctional electrocatalysts by supramolecular preorganization of precursors. Chemical Communications, 2017, 53, 2044-2047.	4.1	49
131	Coupling polymorphic nanostructured carbon nitrides into an isotype heterojunction with boosted photocatalytic H₂ evolution. Chemical Communications, 2017, 53, 2978-2981.	4.1	80
132	Application of Spectral Crosstalk Correction for Improving Multiplexed MicroRNA Detection Using a Single Excitation Wavelength. Analytical Chemistry, 2017, 89, 3430-3436.	6.5	44
133	Photoelectrocatalytic reduction of carbon dioxide to methanol at cuprous oxide foam cathode. RSC Advances, 2017, 7, 24933-24939.	3.6	34
134	In Situ Detection and Imaging of Telomerase Activity in Cancer Cell Lines via Disassembly of Plasmonic Coreâ€“Satellites Nanostructured Probe. Analytical Chemistry, 2017, 89, 7262-7268.	6.5	52
135	A novel photoelectrochemical immunosensor by integration of nanobody and ZnO nanorods for sensitive detection of nucleoside diphosphatase kinase-A. Analytica Chimica Acta, 2017, 973, 82-90.	5.4	38
136	Fabrication of porous graphitic carbon nitride-titanium dioxide heterojunctions with enhanced photo-energy conversion activity. Chinese Chemical Letters, 2017, 28, 1312-1317.	9.0	18
137	A sensitive, label-free electrochemical detection of telomerase activity without modification or immobilization. Biosensors and Bioelectronics, 2017, 91, 347-353.	10.1	37
138	Construction of iron-polymer-graphene nanocomposites with low nonspecific adsorption and strong quenching ability for competitive immunofluorescent detection of biomarkers in GM crops. Biosensors and Bioelectronics, 2017, 90, 321-328.	10.1	15
139	Visual, Label-Free Telomerase Activity Monitor via Enzymatic Etching of Gold Nanorods. Analytical Chemistry, 2017, 89, 12094-12100.	6.5	77
140	Electrochemically-driven benzo[a]pyrene metabolism via human cytochrome P450 1A1 with reductase coated nitrogen-doped graphene nano-composites. Journal of Electroanalytical Chemistry, 2017, 804, 23-28.	3.8	20
141	Identification of an allosteric benzothiazolopyrimidone inhibitor of the oncogenic protein tyrosine phosphatase SHP2. Bioorganic and Medicinal Chemistry, 2017, 25, 6479-6485.	3.0	43
142	Promoting the Electrochemical Performances by Chemical Depositing of Gold Nanoparticles Inside Pores of 3D Nitrogen-Doped Carbon Nanocages. ACS Applied Materials & Interfaces, 2017, 9, 31968-31976.	8.0	20
143	Driving electrochemical oxygen reduction and hydrazine oxidation reaction by enzyme-inspired polymeric Cu(3,3â€²-diaminobenzidine) catalyst. Journal of Materials Chemistry A, 2017, 5, 17413-17420.	10.3	38
144	Visual and fluorometric determination of telomerase activity by using a cationic conjugated polymer and fluorescence resonance energy transfer. Mikrochimica Acta, 2017, 184, 3453-3460.	5.0	9

#	Article	IF	Citations
145	Effect of Carbon Supports on Enhancing Mass Kinetic Current Density of Feâ€N/C Electrocatalysts. Chemistry - A European Journal, 2017, 23, 14597-14603.	3.3	18
146	A biomass derived N/C-catalyst for the electrochemical production of hydrogen peroxide. Chemical Communications, 2017, 53, 9994-9997.	4.1	99
147	Simultaneous Noncovalent Modification and Exfoliation of 2D Carbon Nitride for Enhanced Electrochemiluminescent Biosensing. Journal of the American Chemical Society, 2017, 139, 11698-11701.	13.7	247
148	Boosting Gas Involved Reactions at Nanochannel Reactor with Joint Gasâ€“Solidâ€“Liquid Interfaces and Controlled Wettability. Journal of the American Chemical Society, 2017, 139, 10441-10446.	13.7	72
149	A simple, fast, label-free colorimetric method for detection of telomerase activity in urine by using hemin-graphene conjugates. Biosensors and Bioelectronics, 2017, 87, 600-606.	10.1	63
150	Photoelectrochemical Reduction of Carbon Dioxide to Methanol at CuS/CuO/CuInS₂Thin Film Photocathodes. Journal of the Electrochemical Society, 2017, 164, E475-E479.	2.9	15
151	Photoelectrochemical Reduction of Carbon Dioxide to Ethanol at Cu2O Foam Cathode. International Journal of Electrochemical Science, 2017, 12, 8288-8294.	1.3	14
152	A New Insight of the Photothermal Effect on the Highly Efficient Visible-Light-Driven Photocatalytic Performance of Novel-Designed TiO₂ Rambutan-Like Microspheres Decorated by Au Nanorods. Particle and Particle Systems Characterization, 2016, 33, 140-149.	2.3	25
153	Allosteric Inhibition of SHP2: Identification of a Potent, Selective, and Orally Efficacious Phosphatase Inhibitor. Journal of Medicinal Chemistry, 2016, 59, 7773-7782.	6.4	229
154	Structural and Functional Consequences of Three Cancer-Associated Mutations of the Oncogenic Phosphatase SHP2. Biochemistry, 2016, 55, 2269-2277.	2.5	55
155	Ionic liquid-derived Feâ€“N/C catalysts for highly efficient oxygen reduction reaction without any supports, templates, or multi-step pyrolysis. Journal of Materials Chemistry A, 2016, 4, 6630-6638.	10.3	48
156	Chiroplasmonic Assemblies of Gold Nanoparticles for Ultrasensitive Detection of 8-Hydroxy-2â€²-deoxyguanosine in Human Serum Sample. Analytical Chemistry, 2016, 88, 6509-6514.	6.5	46
157	Chemically Modulated Carbon Nitride Nanosheets for Highly Selective Electrochemiluminescent Detection of Multiple Metal-ions. Analytical Chemistry, 2016, 88, 6004-6010.	6.5	137
158	Monoclinic Tungsten Oxide with {100} Facet Orientation and Tuned Electronic Band Structure for Enhanced Photocatalytic Oxidations. ACS Applied Materials & Interfaces, 2016, 8, 10367-10374.	8.0	106
159	Reversible Assembly of Graphitic Carbon Nitride 3D Network for Highly Selective Dyes Absorption and Regeneration. ACS Nano, 2016, 10, 9036-9043.	14.6	161
160	Communicationâ€”Potential Pulsing Photoelectrochemical Reduction of Carbon Dioxide to Ethanol. Journal of the Electrochemical Society, 2016, 163, E305-E307.	2.9	6
161	Confining nanohybrid of CdTe quantum dots and cytochrome P450 2D6 in macroporous ordered siliceous foam for drug metabolism. Journal of Electroanalytical Chemistry, 2016, 781, 345-350.	3.8	7
162	Comparison Study of the Photoelectrochemical Activity of Carbon Nitride with Different Photoelectrode Configurations. ACS Applied Materials & Interfaces, 2016, 8, 22287-22294.	8.0	41

#	Article	IF	Citations
163	Multifunctional nanoprobe for cancer cell targeting and simultaneousÂfluorescence/magnetic resonance imaging. Analytica Chimica Acta, 2016, 938, 156-164.	5.4	22
164	Crystallinity Modulation of Layered Carbon Nitride for Enhanced Photocatalytic Activities. Chemistry - A European Journal, 2016, 22, 12449-12454.	3.3	66
165	Unfolding of the C-Terminal JÎ± Helix in the LOV2 Photoreceptor Domain Observed by Time-Resolved Vibrational Spectroscopy. Journal of Physical Chemistry Letters, 2016, 7, 3472-3476.	4.6	52
166	Highly Selective and Sensitive Electrochemical Immunoassay of Cry1C Using Nanobody and Ï€â€“Ï€ Stacked Graphene Oxide/Thionine Assembly. Analytical Chemistry, 2016, 88, 9830-9836.	6.5	61
167	Label-Free Detection of Telomerase Activity in Urine Using Telomerase-Responsive Porous Anodic Alumina Nanochannels. Analytical Chemistry, 2016, 88, 8107-8114.	6.5	64
168	A label-free ultrasensitive assay of 8-hydroxy-2â€²-deoxyguanosine in human serum and urine samples via polyaniline deposition and tetrahedral DNA nanostructure. Analytica Chimica Acta, 2016, 946, 48-55.	5.4	30
169	Nitrogen-doped porous carbon with a hierarchical structure prepared for a high performance symmetric supercapacitor. RSC Advances, 2016, 6, 101988-101994.	3.6	9
170	Photoadduct Formation from the FMN Singlet Excited State in the LOV2 Domain of Chlamydomonas reinhardtii Phototropin. Journal of Physical Chemistry Letters, 2016, 7, 4380-4384.	4.6	23
171	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. Chemistry of Materials, 2016, 28, 5063-5072.	6.7	22
172	Quantitation of DNA methyltransferase activity via chronocoulometry in combination with rolling chain amplification. Biosensors and Bioelectronics, 2016, 85, 25-31.	10.1	17
173	Allosteric inhibition of SHP2 phosphatase inhibits cancers driven by receptor tyrosine kinases. Nature, 2016, 535, 148-152.	27.8	674
174	Facet-Controlling Agents Free Synthesis of Hematite Crystals with High-Index Planes: Excellent Photodegradation Performance and Mechanism Insight. ACS Applied Materials & Interfaces, 2016, 8, 142-151.	8.0	37
175	Label-free ultrasensitive detection of telomerase activity via multiple telomeric hemin/G-quadruplex triggered polyaniline deposition and a DNA tetrahedron-structure regulated signal. Chemical Communications, 2016, 52, 1796-1799.	4.1	57
176	Photoelectrochemical reduction of carbon dioxide at CuInS2/graphene hybrid thin film electrode. Electrochimica Acta, 2016, 193, 1-6.	5.2	43
177	Soft and hard templating of graphitic carbon nitride. Journal of Materials Chemistry A, 2015, 3, 14081-14092.	10.3	208
178	Graphene Nanocomposites in Optoelectronics. , 2015, , 131-156.		2
179	Manganese oxide nanowires wrapped with nitrogen doped carbon layers for high performance supercapacitors. Journal of Colloid and Interface Science, 2015, 455, 188-193.	9.4	25
180	Evaluation of DNA methyltransferase activity and inhibition via chiroplasmonic assemblies of gold nanoparticles. Chemical Communications, 2015, 51, 14350-14353.	4.1	33

#	Article	IF	Citations
181	Synthetic Surfaces with Robust and Tunable Underwater Superoleophobicity. Advanced Functional Materials, 2015, 25, 1672-1681.	14.9	104
182	Dissolution and Liquid Crystals Phase of 2D Polymeric Carbon Nitride. Journal of the American Chemical Society, 2015, 137, 2179-2182.	13.7	304
183	Environment-friendly preparation of porous graphite-phase polymeric carbon nitride using calcium carbonate as templates, and enhanced photoelectrochemical activity. Journal of Materials Chemistry A, 2015, 3, 5126-5131.	10.3	142
184	Nanostructured 2D Diporphyrin Honeycomb Film: Photoelectrochemistry, Photodegradation, and Antibacterial Activity. ACS Applied Materials & Interfaces, 2015, 7, 11783-11791.	8.0	27
185	Label-free electrochemical detection of methyltransferase activity and inhibitor screening based on endonuclease HpaII and the deposition of polyaniline. Biosensors and Bioelectronics, 2015, 73, 188-194.	10.1	39
186	Synthesis of B-doped hollow carbon spheres as efficient non-metal catalyst for oxygen reduction reaction. RSC Advances, 2015, 5, 52126-52131.	3.6	33
187	Graphene quantum dots enhanced photocatalytic activity of zinc porphyrin toward the degradation of methylene blue under visible-light irradiation. Journal of Materials Chemistry A, 2015, 3, 8552-8558.	10.3	142
188	Colorimetric detection of influenza A virus using antibody-functionalized gold nanoparticles. Analyst, The, 2015, 140, 3989-3995.	3.5	122
189	Cytochrome P450 bienzymes assembled on Au/chitosan/reduced graphene oxide nanosheets for electrochemically-driven drug cascade metabolism. Electrochimica Acta, 2015, 165, 36-44.	5.2	32
190	Fabrication of Liquidâ€Infused Surfaces Using Reactive Polymer Multilayers: Principles for Manipulating the Behaviors and Mobilities of Aqueous Fluids on Slippery Liquid Interfaces. Advanced Materials, 2015, 27, 3007-3012.	21.0	143
191	Effect of annealing temperature and element composition of titanium dioxide/graphene/hemin catalysts for oxygen reduction reaction. RSC Advances, 2015, 5, 82879-82886.	3.6	19
192	Quantifying the density and utilization of active sites in non-precious metal oxygen electroreduction catalysts. Nature Communications, 2015, 6, 8618.	12.8	461
193	Chemical Cleavage of Layered Carbon Nitride with Enhanced Photoluminescent Performances and Photoconduction. ACS Nano, 2015, 9, 12480-12487.	14.6	251
194	Three-Dimensional Macroporous Polypyrrole-Derived Graphene Electrode Prepared by the Hydrogen Bubble Dynamic Template for Supercapacitors and Metal-Free Catalysts. ACS Applied Materials & Interfaces, 2015, 7, 23731-23740.	8.0	46
195	Potential-Modulated Electrochemiluminescence of Carbon Nitride Nanosheets for Dual-Signal Sensing of Metal Ions. ACS Applied Materials & Interfaces, 2015, 7, 23672-23678.	8.0	86
196	A fluorescence method for detection of DNA and DNA methylation based on graphene oxide and restriction endonuclease HpaII. Talanta, 2015, 131, 342-347.	5.5	32
197	Enzymatic reactivity of glucose oxidase confined in nanochannels. Biosensors and Bioelectronics, 2014, 55, 307-312.	10.1	39
198	Fabrication of CuInS2 thin film by electrodeposition of Cuâ€“In alloy. Vacuum, 2014, 99, 196-203.	3.5	34

#	Article	IF	Citations
199	Lanthanide-Based Heteroepitaxial Coreâ€“Shell Nanostructures: Compressive versus Tensile Strain Asymmetry. ACS Nano, 2014, 8, 10517-10527.	14.6	71
200	Label-free fluorescence detection of DNA methylation and methyltransferase activity based on restriction endonuclease HpaII and exonuclease III. Analyst, The, 2014, 139, 6387-6392.	3.5	24
201	Cytochrome P450 enzyme functionalized-quantum dots as photocatalysts for drug metabolism. Chemical Communications, 2014, 50, 7607-7610.	4.1	19
202	Role of pyridine in photoelectrochemical reduction of CO₂to methanol at a CuInS₂thin film electrode. RSC Advances, 2014, 4, 39435-39438.	3.6	41
203	Electrochemically driven drug metabolism via a CYP1A2â€“UGT1A10 bienzyme confined in a graphene nano-cage. Chemical Communications, 2014, 50, 13896-13899.	4.1	14
204	Quantitative Evaluation of Biological Reaction Kinetics in Confined Nanospaces. Analytical Chemistry, 2014, 86, 8129-8135.	6.5	15
205	Electrochemiluminescence resonance energy transfer between graphene quantum dots and gold nanoparticles for DNA damage detection. Analyst, The, 2014, 139, 2404-2410.	3.5	107
206	Recent advances of doped carbon as non-precious catalysts for oxygen reduction reaction. Journal of Materials Chemistry A, 2014, 2, 15704-15716.	10.3	107
207	Palladium nanoparticles supported on nitrogen-doped carbon spheres as enhanced catalyst for ethanol electro-oxidation. Journal of Electroanalytical Chemistry, 2014, 730, 65-68.	3.8	18
208	Enhanced Enzymatic Reactivity for Electrochemically Driven Drug Metabolism by Confining Cytochrome P450 Enzyme in TiO2 Nanotube Arrays. Analytical Chemistry, 2014, 86, 8003-8009.	6.5	50
209	Photoactivation Mechanisms of Flavin-Binding Photoreceptors Revealed Through Ultrafast Spectroscopy and Global Analysis Methods. Methods in Molecular Biology, 2014, 1146, 401-442.	0.9	14
210	Synthesis of nanoparticles, their biocompatibility, and toxicity behavior for biomedical applications. Journal of Materials Chemistry B, 2013, 1, 5186.	5.8	80
211	Ultrafine Zn1â^'xCuxS (0 â‰¤ x â‰¤ 0.066) nanocrystallites for photocatalytic H2 evolution under visible light irradiation. RSC Advances, 2013, 3, 10654.	3.6	6
212	Doped-carbon electrocatalysts with trimodal porosity from a homogeneous polypeptide gel. Journal of Materials Chemistry A, 2013, 1, 13576.	10.3	51
213	Liquid-Mediated Dense Integration of Graphene Materials for Compact Capacitive Energy Storage. Science, 2013, 341, 534-537.	12.6	1,666
214	Three-dimensional strutted graphene grown by substrate-free sugar blowing for high-power-density supercapacitors. Nature Communications, 2013, 4, 2905.	12.8	606
215	DNA-responsive disassembly of AuNP aggregates: influence of nonbase-paired regions and colorimetric DNA detection by exonuclease III aided amplification. Journal of Materials Chemistry B, 2013, 1, 2851.	5.8	45
216	Simultaneous electrochemical determination of uric acid and dopamine in the presence of ascorbic acid using nitrogen-doped carbon hollow spheres. Analytical Methods, 2013, 5, 3635.	2.7	14

#	Article	IF	Citations
217	Surface-coordination-induced selective synthesis of cubic and orthorhombic NaNbO₃and their photocatalytic properties. Journal of Materials Chemistry A, 2013, 1, 1185-1191.	10.3	89
218	Theoretical design of highly active SrTiO3-based photocatalysts by a codoping scheme towards solar energy utilization for hydrogen production. Journal of Materials Chemistry A, 2013, 1, 4221.	10.3	106
219	Reduced TiO2 nanotube arrays for photoelectrochemical water splitting. Journal of Materials Chemistry A, 2013, 1, 5766.	10.3	507
220	A p-type Cr-doped TiO2 photo-electrode for photo-reduction. Chemical Communications, 2013, 49, 3440.	4.1	46
221	A new heterojunction Ag3PO4/Cr-SrTiO3 photocatalyst towards efficient elimination of gaseous organic pollutants under visible light irradiation. Applied Catalysis B: Environmental, 2013, 134-135, 286-292.	20.2	123
222	Solar-driven photoelectrochemical reduction of carbon dioxide to methanol at CuInS2 thin film photocathode. Solar Energy Materials and Solar Cells, 2013, 108, 170-174.	6.2	89
223	Fabrication of Oligonucleotide and Protein Arrays on Rigid and Flexible Substrates Coated with Reactive Polymer Multilayers. ACS Applied Materials & Interfaces, 2013, 5, 351-359.	8.0	21
224	Biopolymer-Activated Graphitic Carbon Nitride towards a Sustainable Photocathode Material. Scientific Reports, 2013, 3, 2163.	3.3	116
225	Photoelectrochemical Properties of Nanomultiple CaFe₂O₄/ZnFe₂O₄pn Junction Photoelectrodes. Langmuir, 2013, 29, 3116-3124.	3.5	69
226	Nitrogen- and phosphorus-co-doped carbons with tunable enhanced surface areas promoted by the doping additives. Chemical Communications, 2013, 49, 1208.	4.1	139
227	Photoassisted fabrication of zinc indium oxide/oxysulfide composite for enhanced photocatalytic H₂evolution under visible-light irradiation. Science and Technology of Advanced Materials, 2012, 13, 055001.	6.1	5
228	Selective local nitrogen doping in a TiO2 electrode for enhancing photoelectrochemical water splitting. Chemical Communications, 2012, 48, 8649.	4.1	37
229	Intrinsically Sulfurâ€•and Nitrogenâ€Coâ€doped Carbons from Thiazolium Salts. Chemistry - A European Journal, 2012, 18, 15416-15423.	3.3	76
230	Wet chemical synthesis of nitrogen-doped graphene towards oxygen reduction electrocatalysts without high-temperature pyrolysis. Journal of Materials Chemistry, 2012, 22, 6575.	6.7	274
231	Surface-Alkalinization-Induced Enhancement of Photocatalytic H₂ Evolution over SrTiO₃-Based Photocatalysts. Journal of the American Chemical Society, 2012, 134, 1974-1977.	13.7	330
232	NaDyF₄ Nanoparticles as T₂ Contrast Agents for Ultrahigh Field Magnetic Resonance Imaging. Journal of Physical Chemistry Letters, 2012, 3, 524-529.	4.6	144
233	Self-Focusing by Ostwald Ripening: A Strategy for Layer-by-Layer Epitaxial Growth on Upconverting Nanocrystals. Journal of the American Chemical Society, 2012, 134, 11068-11071.	13.7	334
234	One-Pot Synthesis of Metal-Doped Mesoporous Materials from (Dicyanamido)metallate Precursors. European Journal of Inorganic Chemistry, 2012, 2012, 4105-4116.	2.0	7

#	Article	IF	Citations
235	An Effective Polymer Cross-Linking Strategy To Obtain Stable Dispersions of Upconverting NaYF₄ Nanoparticles in Buffers and Biological Growth Media for Biolabeling Applications. Langmuir, 2012, 28, 3239-3247.	3.5	134
236	Azlactone-functionalized polymers as reactive platforms for the design of advanced materials: Progress in the last ten years. Polymer Chemistry, 2012, 3, 66-80.	3.9	103
237	Polymeric Carbon Nitrides: Semiconducting Properties and Emerging Applications in Photocatalysis and Photoelectrochemical Energy Conversion. Science of Advanced Materials, 2012, 4, 282-291.	0.7	136
238	Direct synthesis of nanoporous carbon nitride fibers using Al-based porous coordination polymers (Al-PCPs). Chemical Communications, 2011, 47, 8124.	4.1	140
239	Fabrication and Selective Functionalization of Amine-Reactive Polymer Multilayers on Topographically Patterned Microwell Cell Culture Arrays. Biomacromolecules, 2011, 12, 1998-2007.	5.4	46
240	A novel bath lily-like graphene sheet-wrapped nano-Si composite as a high performance anode material for Li-ion batteries. RSC Advances, 2011, 1, 958.	3.6	85
241	Analysis of the Shell Thickness Distribution on NaYF₄/NaGdF₄ Core/Shell Nanocrystals by EELS and EDS. Journal of Physical Chemistry Letters, 2011, 2, 185-189.	4.6	121
242	Ion-exchange synthesis of a micro/mesoporous Zn2GeO4 photocatalyst at room temperature for photoreduction of CO2. Chemical Communications, 2011, 47, 2041.	4.1	119
243	Size-Tunable, Ultrasmall NaGdF₄ Nanoparticles: Insights into Their T₁ MRI Contrast Enhancement. Chemistry of Materials, 2011, 23, 3714-3722.	6.7	396
244	Synthesis of mesoporous composite materials of nitrogen-doped carbon and silica using a reactive surfactant approach. Journal of Materials Chemistry, 2011, 21, 15537.	6.7	31
245	Non-covalent doping of graphitic carbon nitride polymer with graphene: controlled electronic structure and enhanced optoelectronic conversion. Energy and Environmental Science, 2011, 4, 4517.	30.8	408
246	Self-doped SrTiO3â¯Î´ photocatalyst with enhanced activity for artificial photosynthesis under visible light. Energy and Environmental Science, 2011, 4, 4211.	30.8	244
247	Bioinspired Effective Prevention of Restacking in Multilayered Graphene Films: Towards the Next Generation of Highâ€Performance Supercapacitors. Advanced Materials, 2011, 23, 2833-2838.	21.0	954
248	Imidazolium-Based Ionic Liquid Functional Materials and Their Application to Electroanalytical Chemistry. , 2011, , 145-181.		0
249	Photocurrent Generation by Polymeric Carbon Nitride Solids: An Initial Step towards a Novel Photovoltaic System. Chemistry - an Asian Journal, 2010, 5, 1307-1311.	3.3	128
250	Facile Oneâ€Pot Synthesis of Nanoporous Carbon Nitride Solids by Using Soft Templates. ChemSusChem, 2010, 3, 435-439.	6.8	313
251	Oneâ€Step Solvothermal Synthesis of a Carbon@TiO₂ Dyade Structure Effectively Promoting Visibleâ€Light Photocatalysis. Advanced Materials, 2010, 22, 3317-3321.	21.0	444
252	Sustainable nitrogen-doped carbonaceous materials from biomass derivatives. Carbon, 2010, 48, 3778-3787.	10.3	361

#	Article	IF	Citations
253	Electronic and Protein Structural Dynamics of a Photosensory Histidine Kinase. Biochemistry, 2010, 49, 4752-4759.	2.5	20
254	Superhydrophobic Thin Films Fabricated by Reactive Layer-by-Layer Assembly of Azlactone-Functionalized Polymers. Chemistry of Materials, 2010, 22, 6319-6327.	6.7	99
255	Phosphorus-Doped Carbon Nitride Solid: Enhanced Electrical Conductivity and Photocurrent Generation. Journal of the American Chemical Society, 2010, 132, 6294-6295.	13.7	1,176
256	Surface Modification of Upconverting NaYF₄ Nanoparticles with PEGâˆ'Phosphate Ligands for NIR (800 nm) Biolabeling within the Biological Window. Langmuir, 2010, 26, 1157-1164.	3.5	418
257	Functionalization of Fibers Using Azlactone-Containing Polymers: Layer-by-Layer Fabrication of Reactive Thin Films on the Surfaces of Hair and Cellulose-Based Materials. ACS Applied Materials & Interfaces, 2010, 2, 1421-1429.	8.0	45
258	Preparation of colorless ionic liquids â€œon waterâ€•for spectroscopy. Talanta, 2009, 78, 805-808.	5.5	12
259	Primary Reactions of the LOV2 Domain of Phototropin Studied with Ultrafast Mid-Infrared Spectroscopy and Quantum Chemistry. Biophysical Journal, 2009, 97, 227-237.	0.5	79
260	Conformational Heterogeneity and Propagation of Structural Changes in the LOV2/Jα Domain from Avena sativa Phototropin 1 as Recorded by Temperature-Dependent FTIR Spectroscopy. Biophysical Journal, 2009, 97, 238-247.	0.5	61
261	Activation of Carbon Nitride Solids by Protonation: Morphology Changes, Enhanced Ionic Conductivity, and Photoconduction Experiments. Journal of the American Chemical Society, 2009, 131, 50-51.	13.7	721
262	Electrostatic layer-by-layer a of platinum-loaded multiwall carbon nanotube multilayer: A tunable catalyst film for anodic methanol oxidation. Thin Solid Films, 2008, 516, 6531-6535.	1.8	29
263	Ionâ€Responsive Behavior of Ionicâ€Liquid Surfactant Aggregates with Applications in Controlled Release and Emulsification. ChemPhysChem, 2008, 9, 2198-2202.	2.1	23
264	Direct electron transfer of horseradish peroxidase and its electrocatalysis based on carbon nanotube/thionine/gold composites. Electrochemistry Communications, 2008, 10, 306-310.	4.7	59
265	Perturbation of the ground-state electronic structure of FMN by the conserved cysteine in phototropin LOV2 domains. Physical Chemistry Chemical Physics, 2008, 10, 6693.	2.8	27
266	Directing single-walled carbon nanotubes to self-assemble at water/oil interfaces and facilitate electron transfer. Chemical Communications, 2008, , 4273.	4.1	31
267	Simultaneous Synthesis of Polyaniline Nanotubules and Gold Nanoplates. Crystal Growth and Design, 2008, 8, 1827-1832.	3.0	13
268	Polyelectrolyte-functionalized ionic liquid for electrochemistry in supporting electrolyte-free aqueous solutions and application in amperometric flow injection analysis. Green Chemistry, 2007, 9, 746.	9.0	32
269	A Base-Catalyzed Mechanism for Dark State Recovery in theAvena sativaPhototropin-1 LOV2 Domainâ€. Biochemistry, 2007, 46, 3129-3137.	2.5	100
270	Thionine-interlinked multi-walled carbon nanotube/gold nanoparticle composites. Carbon, 2007, 45, 2111-2115.	10.3	115

#	Article	IF	Citations
271	Electrostatic assembly of polyaniline and platinum-poly(amidoamine) dendrimers hybrid nanocomposite multilayer, and its electrocatalysis towards CO and O2. Journal of Electroanalytical Chemistry, 2007, 599, 127-135.	3.8	24
272	Fast and facile preparation of superhigh aspect-ratio Cuâ€“thiourea nanowires in large quantity. Materials Letters, 2007, 61, 3632-3634.	2.6	11
273	Ultrafast spectroscopy of biological photoreceptors. Current Opinion in Structural Biology, 2007, 17, 623-630.	5.7	98
274	Carbon nanotubes and glucose oxidase bionanocomposite bridged by ionic liquid-like unit: Preparation and electrochemical properties. Biosensors and Bioelectronics, 2007, 23, 438-443.	10.1	85
275	Electropolymerization and catalysis of well-dispersed polyaniline/carbon nanotube/gold composite. Journal of Electroanalytical Chemistry, 2007, 599, 121-126.	3.8	79
276	Enhanced response induced by polyelectrolyte-functionalized ionic liquid in glucose biosensor based on solâ€“gel organicâ€“inorganic hybrid material. Journal of Electroanalytical Chemistry, 2007, 608, 78-83.	3.8	27
277	An effective approach to synthesis of poly(methyl methacrylate)/silica nanocomposites. Nanotechnology, 2006, 17, 4796-4801.	2.6	35
278	Synthesis of highly faceted multiply twinned gold nanocrystals stabilized by polyoxometalates. Nanotechnology, 2006, 17, 4689-4694.	2.6	29
279	One-step synthesis of 3D dendritic gold/polypyrrole nanocomposites via a self-assembly method. Nanotechnology, 2006, 17, 283-288.	2.6	40
280	Erosion of multilayered films fabricated from degradable polyamines: Characterization and evidence in support of a mechanism that involves polymer hydrolysis. Journal of Polymer Science Part A, 2006, 44, 5161-5173.	2.3	29
281	Electropolymerization of polypyrrole on PFILâ€“PSS-modified electrodes without added support electrolytes. Journal of Electroanalytical Chemistry, 2006, 596, 33-37.	3.8	20
282	Preparation of Highly Conductive, Self-Assembled Gold/Polyaniline Nanocables and Polyaniline Nanotubes. Chemistry - A European Journal, 2006, 12, 5314-5319.	3.3	97
283	Design and Synthesis of Multifunctional Materials Based on an Ionic-Liquid Backbone. Angewandte Chemie - International Edition, 2006, 45, 5867-5870.	13.8	144
284	Controlled synthesis of 2D Au nanostructure assembly with the assistance of sulfonated polyaniline nanotubes. Nanotechnology, 2006, 17, 2641-2648.	2.6	8
285	Reinforcement of silica with single-walled carbon nanotubes through covalent functionalization. Journal of Materials Chemistry, 2006, 16, 4592.	6.7	60
286	Functionalized polydiacetylene-glycolipid vesicles interacted with Escherichia coli under the TiO2 colloid. Colloids and Surfaces B: Biointerfaces, 2005, 40, 137-142.	5.0	30
287	Immobilization of ionic liquid with polyelectrolyte as carrier. Chemical Communications, 2005, , 4193.	4.1	81
288	Room-temperature ionic liquids as media to enhance the electrochemical stability of self-assembled monolayers of alkanethiols on gold electrodes. Chemical Communications, 2005, , 360.	4.1	49

#	Article	IF	Citations
289	Comparison of two-typed (3-mercaptopropyl)trimethoxysilane-based networks on Au substrates. Talanta, 2005, 65, 481-488.	5.5	26
290	Electrochemical Functionalization of Single-Walled Carbon Nanotubes in Large Quantities at a Room-Temperature Ionic Liquid Supported Three-Dimensional Network Electrode. Langmuir, 2005, 21, 4797-4800.	3.5	149
291	Use of atomic force microscopy for imaging the initial stage of the nucleation of calcium phosphate in Langmuirâ€“blodgett films of stearic acid. Thin Solid Films, 2004, 468, 273-279.	1.8	7
292	Mannoseâ€“Escherichia coli interaction in the presence of metal cations studied in vitro by colorimetric polydiacetylene/glycolipid liposomes. Journal of Inorganic Biochemistry, 2004, 98, 925-930.	3.5	19
293	Functionalization of single-walled carbon nanotubes with Prussian blue. Electrochemistry Communications, 2004, 6, 1180-1184.	4.7	122
294	Enhanced affinochromism of polydiacetylene monolayer in response to bacteria by incorporating CdS nano-crystallites. Colloids and Surfaces B: Biointerfaces, 2004, 35, 41-44.	5.0	13
295	Poly-l-lysine Functionalization of Single-Walled Carbon Nanotubes. Journal of Physical Chemistry B, 2004, 108, 15343-15346.	2.6	141
296	Oriented nano-structured hydroxyapatite from the template. Chemical Physics Letters, 2003, 376, 493-497.	2.6	88
297	Electroactive gold nanoparticles protected by 4-ferrocene thiophenol monolayer. Journal of Colloid and Interface Science, 2003, 264, 109-113.	9.4	21
298	Electrochemical study of 4-ferrocene thiophenol monolayers assembled on gold nanoparticles. Microelectronic Engineering, 2003, 66, 91-94.	2.4	6
299	Primary Reactions of the LOV2 Domain of Phototropin, a Plant Blue-Light Photoreceptor. Biochemistry, 2003, 42, 3385-3392.	2.5	214