

Yang Liu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

146
papers

10,919
citations

59
h-index

102
g-index

148
ext. papers

12,200
ext. citations

7.9
avg, IF

6.7
L-index

#	Paper	IF	Citations
146	Multichannel sensor array of carbon dots-metal ion pairs for accurate biological thiols analysis and cancer cell discrimination. <i>Sensors and Actuators B: Chemical</i> , 2022 , 353, 131119	8.5	2
145	Catechin-inspired gold nanocluster nanoprobe for selective and ratiometric dopamine detection via forming azamonardine.. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022 , 274, 121142	4.4	1
144	Highly Active Electrochemiluminescence of Ruthenium Complex Co-assembled Chalcogenide Nanoclusters and the Application for Label-Free Detection of Alkaline Phosphatase. <i>Analytical Chemistry</i> , 2021 , 93, 15794-15801	7.8	2
143	Self-Assembled Nanorods of Phenylboronic Acid Functionalized Pyrene for Two-Photon Imaging of Cell Surface Sialic Acids and Photodynamic Therapy. <i>Analytical Chemistry</i> , 2021 , 93, 7029-7036	7.8	6
142	Enzyme-free Electrochemical Detection of Hydrogen Peroxide Based on the Three-Dimensional Flower-like Cu-based Metal Organic Frameworks and MXene Nanosheets. <i>Chinese Journal of Chemistry</i> , 2021 , 39, 2181-2187	4.9	14
141	Environmental transformation of graphene oxide in the aquatic environment. <i>Chemosphere</i> , 2021 , 262, 127885	8.4	23
140	2D titanium carbide MXenes as emerging optical biosensing platforms. <i>Biosensors and Bioelectronics</i> , 2021 , 171, 112730	11.8	40
139	TiC MXene mediated Prussian blue in situ hybridization and electrochemical signal amplification for the detection of exosomes. <i>Talanta</i> , 2021 , 224, 121879	6.2	23
138	Self-Catalyzed Surface Reaction-Induced Fluorescence Resonance Energy Transfer on Cysteine-Stabilized MnO Quantum Dots for Selective Detection of Dopamine. <i>Analytical Chemistry</i> , 2021 , 93, 3586-3593	7.8	29
137	In situ growth of TiO nanowires on TiC MXenes nanosheets as highly sensitive luminol electrochemiluminescent nanoplatform for glucose detection in fruits, sweat and serum samples. <i>Biosensors and Bioelectronics</i> , 2021 , 194, 113600	11.8	21
136	In Situ Formation of Gold Nanoparticles Decorated TiC MXenes Nanoprobe for Highly Sensitive Electrogenerated Chemiluminescence Detection of Exosomes and Their Surface Proteins. <i>Analytical Chemistry</i> , 2020 , 92, 5546-5553	7.8	87
135	Integrating Highly Efficient Recognition and Signal Transition of g-CN Embellished TiC MXene Hybrid Nanosheets for Electrogenerated Chemiluminescence Analysis of Protein Kinase Activity. <i>Analytical Chemistry</i> , 2020 , 92, 10668-10676	7.8	42
134	Self-Polymerized Dopamine-Decorated Au NPs and Coordinated with Fe-MOF as a Dual Binding Sites and Dual Signal-Amplifying Electrochemical Aptasensor for the Detection of CEA. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 5500-5510	9.5	44
133	Oriental DNA binding and directed transport on nanomaterial heterojunctions. <i>Nanoscale</i> , 2020 , 12, 5217-5226	7.7	16
132	Selective detection of Fe ions based on fluorescence MXene quantum dots via a mechanism integrating electron transfer and inner filter effect. <i>Nanoscale</i> , 2020 , 12, 1826-1832	7.7	67
131	Hierarchical molybdenum phosphide coupled with carbon as a whole pH-range electrocatalyst for hydrogen evolution reaction. <i>Applied Catalysis B: Environmental</i> , 2020 , 260, 118196	21.8	81
130	Recent Progress of Novel Electrochemiluminescence Nanoprobes and Their Analytical Applications. <i>Frontiers in Chemistry</i> , 2020 , 8, 626243	5	6

129	Multivalency Interface and g-CN Coated Liquid Metal Nanoprobe Signal Amplification for Sensitive Electrogenerated Chemiluminescence Detection of Exosomes and Their Surface Proteins. <i>Analytical Chemistry</i> , 2019 , 91, 12100-12107	7.8	48
128	A novel ECL method for histone acetyltransferases (HATs) activity analysis by integrating HCR signal amplification and ECL silver clusters. <i>Talanta</i> , 2019 , 198, 39-44	6.2	22
127	Phosphate-guanidine interaction based fluorometric strategy for protein kinase activity sensing. <i>Sensors and Actuators B: Chemical</i> , 2019 , 290, 512-519	8.5	3
126	Ratio fluorescence analysis of T4 polynucleotide kinase activity based on the formation of a graphene quantum dot-copper nanocluster nanohybrid. <i>Nanoscale</i> , 2019 , 11, 13903-13908	7.7	15
125	Light-triggered evolution of molecular clusters toward sub-nanoscale heterojunctions with high interface density. <i>Chemical Communications</i> , 2019 , 55, 8146-8149	5.8	0
124	In-situ one-step electrospray fabrication of polyvinylidene fluoride encapsulated CsPbBr ₃ spheres with high stability and cell imaging application. <i>Inorganic Chemistry Communication</i> , 2019 , 106, 99-103	3.1	10
123	Recent Advances in Protein Kinase Activity Analysis Based on Nanomaterials. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	8
122	Amorphous CoFe Double Hydroxides Decorated with N-Doped CNTs for Efficient Electrochemical Oxygen Evolution. <i>ChemSusChem</i> , 2019 , 12, 2679-2688	8.3	18
121	Strongly Coupled Interface Structure in CoFe/Co O Nanohybrids as Efficient Oxygen Evolution Reaction Catalysts. <i>ChemSusChem</i> , 2019 , 12, 4442-4451	8.3	17
120	Wavelength-Dependent Surface Plasmon Coupling Electrochemiluminescence Biosensor Based on Sulfur-Doped Carbon Nitride Quantum Dots for K-RAS Gene Detection. <i>Analytical Chemistry</i> , 2019 , 91, 13780-13786	7.8	36
119	Heterostructures Based on 2D Materials: A Versatile Platform for Efficient Catalysis. <i>Advanced Materials</i> , 2019 , 31, e1804828	24	78
118	TiC MXenes nanosheets catalyzed highly efficient electrogenerated chemiluminescence biosensor for the detection of exosomes. <i>Biosensors and Bioelectronics</i> , 2019 , 124-125, 184-190	11.8	155
117	Bamboo prepared carbon quantum dots (CQDs) for enhancing Bi ₃ Ti ₄ O ₁₂ nanosheets photocatalytic activity. <i>Journal of Alloys and Compounds</i> , 2018 , 752, 106-114	5.7	32
116	Sensitive electrogenerated chemiluminescence biosensors for protein kinase activity analysis based on bimetallic catalysis signal amplification and recognition of Au and Pt loaded metal-organic frameworks nanocomposites. <i>Biosensors and Bioelectronics</i> , 2018 , 109, 132-138	11.8	44
115	Precise mono-Cu ion doping enhanced electrogenerated chemiluminescence from Cd-In-S supertetrahedral chalcogenide nanoclusters for dopamine detection. <i>Nanoscale</i> , 2018 , 10, 15932-15937	7.7	16
114	Label-free imaging of epidermal growth factor receptor-induced response in single living cells. <i>Analyst</i> , 2018 , 143, 5264-5270	5	6
113	Nitrogen-Doped Carbon Nanotubes Encapsulated Cobalt Nanoparticles Hybrids for Highly Efficient Catalysis of Oxygen Reduction Reaction. <i>Journal of the Electrochemical Society</i> , 2018 , 165, J3052-J3058	3.9	10
112	Universal TiC MXenes Based Self-Standard Ratiometric Fluorescence Resonance Energy Transfer Platform for Highly Sensitive Detection of Exosomes. <i>Analytical Chemistry</i> , 2018 , 90, 12737-12744	7.8	156

111	Anti-Site Defects-Assisted Enhancement of Electrogenenerated Chemiluminescence from in Situ Mn-Doped Supertetrahedral Chalcogenide Nanoclusters. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 38223-38229	9.5	10
110	Utilization of Aptamers for Sample Preparation in Analytical Methods 2018 , 173-203		
109	A novel electrogenerated chemiluminescence biosensor for histone acetyltransferases activity analysis and inhibition based on mimetic superoxide dismutase of tannic acid assembled nanopores. <i>Biosensors and Bioelectronics</i> , 2018 , 122, 205-210	11.8	19
108	Silver nanoparticle plasmonic enhanced Förster resonance energy transfer (FRET) imaging of protein-specific sialylation on the cell surface. <i>Nanoscale</i> , 2017 , 9, 9841-9847	7.7	35
107	Highly sensitive photoelectrochemical biosensor for kinase activity detection and inhibition based on the surface defect recognition and multiple signal amplification of metal-organic frameworks. <i>Biosensors and Bioelectronics</i> , 2017 , 97, 107-114	11.8	51
106	An "on-off-on" fluorescent nanoprobe for recognition of chromium(VI) and ascorbic acid based on phosphorus/nitrogen dual-doped carbon quantum dot. <i>Analytica Chimica Acta</i> , 2017 , 968, 85-96	6.6	155
105	Enhanced Endosomal Escape by Light-Fueled Liquid-Metal Transformer. <i>Nano Letters</i> , 2017 , 17, 2138-2145	11.5	109
104	Label-Free Nanopore Biosensor for Rapid and Highly Sensitive Cocaine Detection in Complex Biological Fluids. <i>ACS Sensors</i> , 2017 , 2, 227-234	9.2	42
103	Nanopore-Based, Label-Free, and Real-Time Monitoring Assay for DNA Methyltransferase Activity and Inhibition. <i>Analytical Chemistry</i> , 2017 , 89, 13252-13260	7.8	29
102	Multienzyme decorated polysaccharide amplified electrogenerated chemiluminescence biosensor for cytosensing and cell surface carbohydrate profiling. <i>Biosensors and Bioelectronics</i> , 2017 , 89, 1013-1019	11.8	24
101	A label-free DNase-based nanopore biosensor for highly sensitive and selective lead ion detection. <i>Analytical Methods</i> , 2016 , 8, 7040-7046	3.2	23
100	Co ₃ O ₄ Hollow Polyhedrons as Bifunctional Electrocatalysts for Reduction and Evolution Reactions of Oxygen. <i>Particle and Particle Systems Characterization</i> , 2016 , 33, 887-895	3.1	38
99	Highly Active and Stable Catalysts of Phytic Acid-Derivative Transition Metal Phosphides for Full Water Splitting. <i>Journal of the American Chemical Society</i> , 2016 , 138, 14686-14693	16.4	533
98	Applications of graphene and its derivatives in intracellular biosensing and bioimaging. <i>Analyst</i> , 2016 , 141, 4541-53	5	50
97	Intrinsic "Vacancy Point Defect" Induced Electrochemiluminescence from Coreless Supertetrahedral Chalcogenide Nanocluster. <i>Journal of the American Chemical Society</i> , 2016 , 138, 7718-24	16.4	90
96	Dye-Sensitized and Localized Surface Plasmon Resonance Enhanced Visible-Light Photoelectrochemical Biosensors for Highly Sensitive Analysis of Protein Kinase Activity. <i>Analytical Chemistry</i> , 2016 , 88, 922-9	7.8	82
95	Single-Molecule Analysis of Human Telomere Sequence Interactions with G-quadruplex Ligand. <i>Analytical Chemistry</i> , 2016 , 88, 4533-40	7.8	22
94	Nitrogen-doped carbon nanoparticle modulated turn-on fluorescent probes for histidine detection and its imaging in living cells. <i>Nanoscale</i> , 2016 , 8, 2205-11	7.7	84

93	A sensitive electrogenerated chemiluminescence biosensor for galactosyltransferase activity analysis based on a graphitic carbon nitride nanosheet interface and polystyrene microsphere-enhanced responses. <i>RSC Advances</i> , 2016 , 6, 32804-32810	3.7	14
92	Carbon-coated hollow mesoporous FeP microcubes: an efficient and stable electrocatalyst for hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 8974-8977	13	120
91	Different roles of ionic liquids in lithium batteries. <i>Journal of Power Sources</i> , 2016 , 334, 221-239	8.9	127
90	Substitution Boosts Charge Separation for High Solar-Driven Photocatalytic Performance. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 26783-26793	9.5	30
89	Highly sensitive electrogenerated chemiluminescence biosensor for galactosyltransferase activity and inhibition detection using gold nanorod and enzymatic dual signal amplification. <i>Journal of Electroanalytical Chemistry</i> , 2016 , 781, 83-89	4.1	5
88	Flawed MoO ₂ belts transformed from MoO ₃ on a graphene template for the hydrogen evolution reaction. <i>Nanoscale</i> , 2015 , 7, 7040-4	7.7	64
87	Multiple signal amplification electrogenerated chemiluminescence biosensors for sensitive protein kinase activity analysis and inhibition. <i>Biosensors and Bioelectronics</i> , 2015 , 68, 771-776	11.8	38
86	Redox Conversion of Chromium(VI) and Arsenic(III) with the Intermediates of Chromium(V) and Arsenic(IV) via AuPd/CNTs Electrocatalysis in Acid Aqueous Solution. <i>Environmental Science & Technology</i> , 2015 , 49, 9289-97	10.3	72
85	Non-redox modulated fluorescence strategy for sensitive and selective ascorbic acid detection with highly photoluminescent nitrogen-doped carbon nanoparticles via solid-state synthesis. <i>Analytical Chemistry</i> , 2015 , 87, 8524-30	7.8	190
84	Enzyme-guided plasmonic biosensor based on dual-functional nanohybrid for sensitive detection of thrombin. <i>Biosensors and Bioelectronics</i> , 2015 , 70, 404-10	11.8	30
83	Highly Efficient AuPd/Carbon Nanotube Nanocatalysts for the Electro-Fenton Process. <i>Chemistry - A European Journal</i> , 2015 , 21, 7611-20	4.8	26
82	Doped graphene: synthesis, properties and bioanalysis. <i>RSC Advances</i> , 2015 , 5, 49521-49533	3.7	42
81	Interrupted chalcogenide-based zeolite-analogue semiconductor: atomically precise doping for tunable electro-/photoelectrochemical properties. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 5103-7	16.4	73
80	Label-free nanopore proximity bioassay for platelet-derived growth factor detection. <i>Analytical Chemistry</i> , 2015 , 87, 5677-82	7.8	48
79	Three-Dimensional Nitrogen-Doped Graphene/MnO Nanoparticle Hybrids as a High-Performance Catalyst for Oxygen Reduction Reaction. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 8032-8037	3.8	82
78	Selective electrochemical detection of dopamine using nitrogen-doped graphene/manganese monoxide composites. <i>RSC Advances</i> , 2015 , 5, 85065-85072	3.7	27
77	Reusable and dual-potential responses electrogenerated chemiluminescence biosensor for synchronously cytosensing and dynamic cell surface N-glycan evaluation. <i>Analytical Chemistry</i> , 2015 , 87, 9777-85	7.8	79
76	A Novel Electrochemiluminescence Immunosensor for the Analysis of HIV-1 p24 Antigen Based on P-RGO@Au@Ru-SiO ₂ Composite. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 24438-45	9.5	57

75	A novel sensor based on electrodeposited AuPt bimetallic nano-clusters decorated on graphene oxide (GO) electrochemically reduced GO for sensitive detection of dopamine and uric acid. <i>Sensors and Actuators B: Chemical</i> , 2015 , 221, 1542-1553	8.5	65
74	Glassy carbon electrode modified with gold nanoparticles and hemoglobin in a chitosan matrix for improved pH-switchable sensing of hydrogen peroxide. <i>Mikrochimica Acta</i> , 2015 , 182, 2461-2468	5.8	1
73	Molybdenum-doped mesoporous carbon/graphene composites as efficient electrocatalysts for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 19969-19973	13	37
72	Visible-light induced photocatalytic activity of electrospun-TiO ₂ in arsenic(III) oxidation. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 511-8	9.5	39
71	Carbon nanotube enhanced label-free detection of microRNAs based on hairpin probe triggered solid-phase rolling-circle amplification. <i>Nanoscale</i> , 2015 , 7, 987-93	7.7	68
70	Graphene-based transition metal oxide nanocomposites for the oxygen reduction reaction. <i>Nanoscale</i> , 2015 , 7, 1250-69	7.7	249
69	Interrupted Chalcogenide-Based Zeolite-Analogue Semiconductor: Atomically Precise Doping for Tunable Electro-/Photoelectrochemical Properties. <i>Angewandte Chemie</i> , 2015 , 127, 5192-5196	3.6	11
68	Formation of Bi ₂ WO ₆ Bipyramids with Vacancy Pairs for Enhanced Solar-Driven Photoactivity. <i>Advanced Functional Materials</i> , 2015 , 25, 3726-3734	15.6	117
67	DNA induced FePt bimetallic nanoparticles on reduced graphene oxide for electrochemical determination of dopamine. <i>Chemical Research in Chinese Universities</i> , 2015 , 31, 406-411	2.2	3
66	Band Fe ₂ O ₃ nanoparticle/nitrogen doped carbon nanotube catalysts for high-performance oxygen reduction reaction. <i>Science China Materials</i> , 2015 , 58, 683-692	7.1	59
65	Application of Inorganic Layered Materials in Electrochemical Sensors. <i>Chinese Journal of Analytical Chemistry</i> , 2015 , 43, 1648-1655	1.6	9
64	Ionic liquid assisted electrospun cellulose acetate fibers for aqueous removal of triclosan. <i>Langmuir</i> , 2015 , 31, 1820-7	4	18
63	A highly sensitive chemiluminescence sensor for detecting mercury (II) ions: a combination of Exonuclease III-aided signal amplification and graphene oxide-assisted background reduction. <i>Science China Chemistry</i> , 2015 , 58, 514-518	7.9	57
62	Nanomaterials in carbohydrate biosensors. <i>TrAC - Trends in Analytical Chemistry</i> , 2014 , 58, 54-70	14.6	54
61	DNA assembled gold nanoparticles polymeric network blocks modular highly sensitive electrochemical biosensors for protein kinase activity analysis and inhibition. <i>Analytical Chemistry</i> , 2014 , 86, 6153-9	7.8	85
60	Self-phosphorylating deoxyribozyme initiated cascade enzymatic amplification for guanosine-5'-triphosphate detection. <i>Analytical Chemistry</i> , 2014 , 86, 7907-12	7.8	17
59	Ultrasensitive detection of cancer cells and glycan expression profiling based on a multivalent recognition and alkaline phosphatase-responsive electrogenerated chemiluminescence biosensor. <i>Nanoscale</i> , 2014 , 6, 11196-203	7.7	47
58	Sensitive electrochemical aptamer biosensor for dynamic cell surface N-glycan evaluation featuring multivalent recognition and signal amplification on a dendrimer-graphene electrode interface. <i>Analytical Chemistry</i> , 2014 , 86, 4278-86	7.8	144

57	Characterization of carbonized polydopamine nanoparticles suggests ordered supramolecular structure of polydopamine. <i>Langmuir</i> , 2014 , 30, 5497-505	4	168
56	Visible-light-driven, tunable, photoelectrochemical performance of a series of metal-chelate, dye-organized, crystalline, CdS nanoclusters. <i>Chemistry - A European Journal</i> , 2014 , 20, 8297-301	4.8	18
55	Biocompatible Phospholipid Modified Graphene Nanocomposite for Direct Electrochemistry of Redox Enzyme. <i>Acta Chimica Sinica</i> , 2014 , 72, 388	3.3	4
54	Exosomes mediate the cell-to-cell transmission of IFN- γ -induced antiviral activity. <i>Nature Immunology</i> , 2013 , 14, 793-803	19.1	367
53	A functional glycoprotein competitive recognition and signal amplification strategy for carbohydrate-protein interaction profiling and cell surface carbohydrate expression evaluation. <i>Nanoscale</i> , 2013 , 5, 7349-55	7.7	34
52	Metal oxide hollow nanostructures: Fabrication and Li storage performance. <i>Journal of Power Sources</i> , 2013 , 238, 376-387	8.9	163
51	Glycosylated aniline polymer sensor: amine to imine conversion on protein-carbohydrate binding. <i>Biosensors and Bioelectronics</i> , 2013 , 46, 183-9	11.8	33
50	Nitrogen-doped carbon dots: a facile and general preparation method, photoluminescence investigation, and imaging applications. <i>Chemistry - A European Journal</i> , 2013 , 19, 2276-83	4.8	335
49	Graphene and its derivatives for the development of solar cells, photoelectrochemical, and photocatalytic applications. <i>Energy and Environmental Science</i> , 2013 , 6, 1362	35.4	324
48	Dynamic evaluation of cell surface N-glycan expression via an electrogenerated chemiluminescence biosensor based on concanavalin A-integrating gold-nanoparticle-modified Ru(bpy) ₃ (2+)-doped silica nanoprobe. <i>Analytical Chemistry</i> , 2013 , 85, 4431-8	7.8	143
47	Self-assembled oligo(phenylene ethynylene)s/graphene nanocomposite with improved electrochemical performances for dopamine determination. <i>Analytica Chimica Acta</i> , 2013 , 767, 59-65	6.6	22
46	AgBr Nanocrystals from Plates to Cubes and Their Photocatalytic Properties. <i>ChemCatChem</i> , 2013 , 5, 1426-1430	5.2	10
45	Sensitive nanochannel biosensor for T4 polynucleotide kinase activity and inhibition detection. <i>Analytical Chemistry</i> , 2013 , 85, 334-40	7.8	85
44	Layer-by-layer assembly of chemical reduced graphene and carbon nanotubes for sensitive electrochemical immunoassay. <i>Biosensors and Bioelectronics</i> , 2012 , 35, 63-68	11.8	138
43	High-temperature gating of solid-state nanopores with thermo-responsive macromolecular nanoactuators in ionic liquids. <i>Advanced Materials</i> , 2012 , 24, 962-7	24	88
42	Facile synthesis of AgBr nanoplates with exposed {111} facets and enhanced photocatalytic properties. <i>Chemical Communications</i> , 2012 , 48, 275-7	5.8	120
41	Ag ₃ PO ₄ /SnO ₂ semiconductor nanocomposites with enhanced photocatalytic activity and stability. <i>New Journal of Chemistry</i> , 2012 , 36, 1541	3.6	174
40	Colorimetric and ultrasensitive bioassay based on a dual-amplification system using aptamer and DNAzyme. <i>Analytical Chemistry</i> , 2012 , 84, 4711-7	7.8	195

39	Duplex DNA/Graphene Oxide Biointerface: From Fundamental Understanding to Specific Enzymatic Effects. <i>Advanced Functional Materials</i> , 2012 , 22, 3083-3088	15.6	115
38	Temperature-responsive polymer/carbon nanotube hybrids: smart conductive nanocomposite films for modulating the bioelectrocatalysis of NADH. <i>Chemistry - A European Journal</i> , 2012 , 18, 3687-94	4.8	31
37	Preparation and Bioelectrochemical Application of Gold Nanoparticles-Chitosan-Graphene Nanomaterials. <i>Acta Chimica Sinica</i> , 2012 , 70, 2213	3.3	7
36	Positive potential operation of a cathodic electrogenerated chemiluminescence immunosensor based on luminol and graphene for cancer biomarker detection. <i>Analytical Chemistry</i> , 2011 , 83, 3817-23	7.8	318
35	DNA-directed self-assembly of graphene oxide with applications to ultrasensitive oligonucleotide assay. <i>ACS Nano</i> , 2011 , 5, 3817-22	16.7	160
34	Electrochemical DNA sensor by the assembly of graphene and DNA-conjugated gold nanoparticles with silver enhancement strategy. <i>Analyst, The</i> , 2011 , 136, 4732-7	5	86
33	Pyrenebutyrate-functionalized graphene/poly(3-octyl-thiophene) nanocomposites based photoelectrochemical cell. <i>Journal of Electroanalytical Chemistry</i> , 2011 , 656, 269-273	4.1	21
32	Fabrication of polymeric ionic liquid/graphene nanocomposite for glucose oxidase immobilization and direct electrochemistry. <i>Biosensors and Bioelectronics</i> , 2011 , 26, 2632-7	11.8	178
31	Sensitive and rapid screening of T4 polynucleotide kinase activity and inhibition based on coupled exonuclease reaction and graphene oxide platform. <i>Analytical Chemistry</i> , 2011 , 83, 8396-402	7.8	158
30	Carbon nanoparticle ionic liquid hybrids and their photoluminescence properties. <i>Journal of Colloid and Interface Science</i> , 2011 , 358, 146-50	9.3	17
29	Highly sensitive electrogenerated chemiluminescence biosensor in profiling protein kinase activity and inhibition using gold nanoparticle as signal transduction probes. <i>Analytical Chemistry</i> , 2010 , 82, 9566-72	7.8	135
28	Ionic liquids in surface electrochemistry. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 1685-97	3.6	287
27	An excellent enzyme biosensor based on Sb-doped SnO ₂ nanowires. <i>Biosensors and Bioelectronics</i> , 2010 , 25, 2436-41	11.8	51
26	Highly sensitive composite electrode based on electrospun carbon nanofibers and ionic liquid. <i>Electrochemistry Communications</i> , 2010 , 12, 1108-1111	5.1	38
25	Single chain fragment variable recombinant antibody functionalized gold nanoparticles for a highly sensitive colorimetric immunoassay. <i>Biosensors and Bioelectronics</i> , 2009 , 24, 2853-7	11.8	71
24	A rare (3,4)-connected chalcogenide superlattice and its photoelectric effect. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 113-6	16.4	108
23	A Rare (3,4)-Connected Chalcogenide Superlattice and Its Photoelectric Effect. <i>Angewandte Chemie</i> , 2008 , 120, 119-122	3.6	17
22	Excellent antimicrobial properties of mesoporous anatase TiO ₂ and Ag/TiO ₂ composite films. <i>Microporous and Mesoporous Materials</i> , 2008 , 114, 431-439	5.3	281

21	Size-controlled synthesis and characterization of quantum-size SnO ₂ nanocrystallites by a solvothermal route. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008 , 312, 219-225 ^{5.1}	40
20	Template-Free Synthesis and Photocatalytic Properties of Novel Fe ₂ O ₃ Hollow Spheres. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 2123-2127	3.8 271
19	A novel nickel-based mixed rare-earth oxide/activated carbon supercapacitor using room temperature ionic liquid electrolyte. <i>Electrochimica Acta</i> , 2006 , 51, 1925-1931	6.7 85
18	Synthesis and ionic conductivity of polymeric ion gel containing room temperature ionic liquid and phosphotungstic acid. <i>Solid State Ionics</i> , 2006 , 177, 1281-1286	3.3 12
17	Preparation of porous aminopropylsilsesquioxane by a nonhydrolytic sol-gel method in ionic liquid solvent. <i>Langmuir</i> , 2005 , 21, 1618-22	4 79
16	Room-temperature ionic liquids as media to enhance the electrochemical stability of self-assembled monolayers of alkanethiols on gold electrodes. <i>Chemical Communications</i> , 2005 , 360-2	5.8 47
15	Morphology-controlled synthesis of monodisperse ZnO troughs at the air-water interface under mild conditions. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 22244-9	3.4 23
14	Highly active horseradish peroxidase immobilized in 1-butyl-3-methylimidazolium tetrafluoroborate room-temperature ionic liquid based sol-gel host materials. <i>Chemical Communications</i> , 2005 , 1778-80	5.8 134
13	Preparation and Properties of Nanostructure Anatase TiO ₂ Monoliths Using 1-Butyl-3-methylimidazolium Tetrafluoroborate Room-Temperature Ionic Liquids as Template Solvents. <i>Crystal Growth and Design</i> , 2005 , 5, 1643-1649	3.5 105
12	A novel room temperature ionic liquid sol-gel matrix for amperometric biosensor application. <i>Green Chemistry</i> , 2005 , 7, 655	10 121
11	Effect of methylsilsesquioxane filler on the properties of ionic liquid based polymer electrolyte. <i>Polymer</i> , 2005 , 46, 7578-7584	3.9 16
10	An ionic liquid-type carbon paste electrode and its polyoxometalate-modified properties. <i>Electrochemistry Communications</i> , 2005 , 7, 1357-1363	5.1 208
9	Influence of the binder on the electron transport in the dye-sensitized TiO ₂ electrode. <i>Thin Solid Films</i> , 2005 , 484, 346-351	2.2 17
8	Electrodeposition of Pt nanoclusters on the surface modified by monolayer poly(amidoamine) dendrimer film. <i>Electrochemistry Communications</i> , 2005 , 7, 1209-1212	5.1 16
7	The Inherent Capacitive Behavior of Imidazolium-based Room-Temperature Ionic Liquids at Carbon Paste Electrode. <i>Electrochemical and Solid-State Letters</i> , 2005 , 8, J17	23
6	IrO ₂ /SnO ₂ electrodes: prepared by sol-gel process and their electrocatalytic for pyrocatechol. <i>Acta Materialia</i> , 2004 , 52, 721-727	8.4 17
5	Functionalization of single-walled carbon nanotubes with Prussian blue. <i>Electrochemistry Communications</i> , 2004 , 6, 1180-1184	5.1 112
4	A Room-Temperature Ionic-Liquid-Templated Proton-Conducting Gelatinous Electrolyte. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 17512-17518	3.4 102

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| 3 | Electrochemical deposition of silver in room-temperature ionic liquids and its surface-enhanced Raman scattering effect. <i>Langmuir</i> , 2004 , 20, 10260-7 | 4 | 201 |
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