

Yang Liu

List of Publications by Year in descending order

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papers

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13827

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148
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17714
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#	ARTICLE	IF	CITATIONS
1	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.	6.6	647
2	Exosomes mediate the cell-to-cell transmission of IFN- λ -induced antiviral activity. <i>Nature Immunology</i> , 2013, 14, 793-803.	7.0	464
3	Nitrogen-Doped Carbon Dots: A Facile and General Preparation Method, Photoluminescence Investigation, and Imaging Applications. <i>Chemistry - A European Journal</i> , 2013, 19, 2276-2283.	1.7	387
4	Graphene and its derivatives for the development of solar cells, photoelectrochemical, and photocatalytic applications. <i>Energy and Environmental Science</i> , 2013, 6, 1362.	15.6	355
5	Positive Potential Operation of a Cathodic Electrogenerated Chemiluminescence Immunosensor Based on Luminol and Graphene for Cancer Biomarker Detection. <i>Analytical Chemistry</i> , 2011, 83, 3817-3823.	3.2	347
6	Ionic liquids in surface electrochemistry. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 1685.	1.3	327
7	Excellent antimicrobial properties of mesoporous anatase TiO ₂ and Ag/TiO ₂ composite films. <i>Microporous and Mesoporous Materials</i> , 2008, 114, 431-439.	2.2	306
8	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.	1.5	291
9	Graphene-based transition metal oxide nanocomposites for the oxygen reduction reaction. <i>Nanoscale</i> , 2015, 7, 1250-1269.	2.8	290
10	Ti ₃ C ₂ MXenes nanosheets catalyzed highly efficient electrogenerated chemiluminescence biosensor for the detection of exosomes. <i>Biosensors and Bioelectronics</i> , 2019, 124-125, 184-190.	5.3	241
11	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, 8524-8530.	3.2	237
12	Universal Ti ₃ C ₂ MXenes Based Self-Standard Ratiometric Fluorescence Resonance Energy Transfer Platform for Highly Sensitive Detection of Exosomes. <i>Analytical Chemistry</i> , 2018, 90, 12737-12744.	3.2	230
13	An ionic liquid-type carbon paste electrode and its polyoxometalate-modified properties. <i>Electrochemistry Communications</i> , 2005, 7, 1357-1363.	2.3	229
14	Electrochemical Deposition of Silver in Room-Temperature Ionic Liquids and Its Surface-Enhanced Raman Scattering Effect. <i>Langmuir</i> , 2004, 20, 10260-10267.	1.6	225
15	Characterization of Carbonized Polydopamine Nanoparticles Suggests Ordered Supramolecular Structure of Polydopamine. <i>Langmuir</i> , 2014, 30, 5497-5505.	1.6	214
16	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.	2.6	205
17	Colorimetric and Ultrasensitive Bioassay Based on a Dual-Amplification System Using Aptamer and DNAzyme. <i>Analytical Chemistry</i> , 2012, 84, 4711-4717.	3.2	203
18	Fabrication of polymeric ionic liquid/graphene nanocomposite for glucose oxidase immobilization and direct electrochemistry. <i>Biosensors and Bioelectronics</i> , 2011, 26, 2632-2637.	5.3	196

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19	Ag ₃ PO ₄ /SnO ₂ semiconductor nanocomposites with enhanced photocatalytic activity and stability. <i>New Journal of Chemistry</i> , 2012, 36, 1541.	1.4	185
20	Enhanced Endosomal Escape by Light-Fueled Liquid-Metal Transformer. <i>Nano Letters</i> , 2017, 17, 2138-2145.	4.5	179
21	DNA-Directed Self-Assembly of Graphene Oxide with Applications to Ultrasensitive Oligonucleotide Assay. <i>ACS Nano</i> , 2011, 5, 3817-3822.	7.3	177
22	Metal oxide hollow nanostructures: Fabrication and Li storage performance. <i>Journal of Power Sources</i> , 2013, 238, 376-387.	4.0	174
23	In Situ Formation of Gold Nanoparticles Decorated Ti ₃ C ₂ MXenes Nanoprobe for Highly Sensitive Electrogenenerated Chemiluminescence Detection of Exosomes and Their Surface Proteins. <i>Analytical Chemistry</i> , 2020, 92, 5546-5553.	3.2	170
24	Different roles of ionic liquids in lithium batteries. <i>Journal of Power Sources</i> , 2016, 334, 221-239.	4.0	164
25	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, 8396-8402.	3.2	163
26	Sensitive Electrochemical Aptamer Biosensor for Dynamic Cell Surface <i>N</i> -Glycan Evaluation Featuring Multivalent Recognition and Signal Amplification on a Dendrimer-Graphene Electrode Interface. <i>Analytical Chemistry</i> , 2014, 86, 4278-4286.	3.2	158
27	Dynamic Evaluation of Cell Surface <i>N</i> -Glycan Expression via an Electrogenenerated Chemiluminescence Biosensor Based on Concanavalin A-Integrating Gold-Nanoparticle-Modified Ru(bpy) ₃ ²⁺ -Doped Silica Nanoprobe. <i>Analytical Chemistry</i> , 2013, 85, 4431-4438.	3.2	155
28	Formation of Bi ₂ WO ₆ Bipyramids with Vacancy Pairs for Enhanced Solar-Driven Photoactivity. <i>Advanced Functional Materials</i> , 2015, 25, 3726-3734.	7.8	155
29	Layer-by-layer assembly of chemical reduced graphene and carbon nanotubes for sensitive electrochemical immunoassay. <i>Biosensors and Bioelectronics</i> , 2012, 35, 63-68.	5.3	150
30	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, , 1778-1780.	2.2	145
31	Highly Sensitive Electrogenenerated Chemiluminescence Biosensor in Profiling Protein Kinase Activity and Inhibition Using Gold Nanoparticle as Signal Transduction Probes. <i>Analytical Chemistry</i> , 2010, 82, 9566-9572.	3.2	145
32	Heterostructures Based on 2D Materials: A Versatile Platform for Efficient Catalysis. <i>Advanced Materials</i> , 2019, 31, e1804828.	11.1	142
33	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.	10.8	142
34	A novel room temperature ionic liquid sol-gel matrix for amperometric biosensor application. <i>Green Chemistry</i> , 2005, 7, 655.	4.6	137
35	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.	5.2	137
36	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.	4.0	130

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37	Intrinsic "Vacancy Point Defect"-Induced Electrochemiluminescence from Coreless Supertetrahedral Chalcogenide Nanocluster. <i>Journal of the American Chemical Society</i> , 2016, 138, 7718-7724.	6.6	128
38	Selective detection of Fe ³⁺ ions based on fluorescence MXene quantum dots <i>via</i> a mechanism integrating electron transfer and inner filter effect. <i>Nanoscale</i> , 2020, 12, 1826-1832.	2.8	128
39	Duplex DNA/Graphene Oxide Biointerface: From Fundamental Understanding to Specific Enzymatic Effects. <i>Advanced Functional Materials</i> , 2012, 22, 3083-3088.	7.8	127
40	Facile synthesis of AgBr nanoplates with exposed {111} facets and enhanced photocatalytic properties. <i>Chemical Communications</i> , 2012, 48, 275-277.	2.2	123
41	Functionalization of single-walled carbon nanotubes with Prussian blue. <i>Electrochemistry Communications</i> , 2004, 6, 1180-1184.	2.3	122
42	A Rare (3,4)-Connected Chalcogenide Superlattice and Its Photoelectric Effect. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 113-116.	7.2	114
43	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.	1.4	108
44	A Room-Temperature Ionic-Liquid-Templated Proton-Conducting Gelatinous Electrolyte. <i>Journal of Physical Chemistry B</i> , 2004, 108, 17512-17518.	1.2	106
45	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, 6153-6159.	3.2	102
46	2D titanium carbide MXenes as emerging optical biosensing platforms. <i>Biosensors and Bioelectronics</i> , 2021, 171, 112730.	5.3	101
47	High-Temperature Gating of Solid-State Nanopores with Thermo-Responsive Macromolecular Nanoactuators in Ionic Liquids. <i>Advanced Materials</i> , 2012, 24, 962-967.	11.1	98
48	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, 922-929.	3.2	98
49	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.	2.6	95
50	Electrochemical DNA sensor by the assembly of graphene and DNA-conjugated gold nanoparticles with silver enhancement strategy. <i>Analyst</i> , The, 2011, 136, 4732.	1.7	95
51	Nitrogen-doped carbon nanoparticle modulated turn-on fluorescent probes for histidine detection and its imaging in living cells. <i>Nanoscale</i> , 2016, 8, 2205-2211.	2.8	95
52	Sensitive Nanochannel Biosensor for T4 Polynucleotide Kinase Activity and Inhibition Detection. <i>Analytical Chemistry</i> , 2013, 85, 334-340.	3.2	92
53	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.	1.5	92
54	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, 9289-9297.	4.6	91

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55	Reusable and Dual-Potential Responses Electrogenerated Chemiluminescence Biosensor for Synchronously Cytosensing and Dynamic Cell Surface N-Glycan Evaluation. <i>Analytical Chemistry</i> , 2015, 87, 9777-9785.	3.2	90
56	Single chain fragment variable recombinant antibody functionalized gold nanoparticles for a highly sensitive colorimetric immunoassay. <i>Biosensors and Bioelectronics</i> , 2009, 24, 2853-2857.	5.3	86
57	Interrupted Chalcogenide-Based Zeolite Analogue Semiconductor: Atomically Precise Doping for Tunable Electro/Photoelectrochemical Properties. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 5103-5107.	7.2	84
58	Preparation of Porous Aminopropylsilsesquioxane by a Nonhydrolytic Sol-Gel Method in Ionic Liquid Solvent. <i>Langmuir</i> , 2005, 21, 1618-1622.	1.6	83
59	Integrating Highly Efficient Recognition and Signal Transition of g-C ₃ N ₄ Embellished Ti ₃ C ₂ MXene Hybrid Nanosheets for Electrogenerated Chemiluminescence Analysis of Protein Kinase Activity. <i>Analytical Chemistry</i> , 2020, 92, 10668-10676.	3.2	80
60	Multivalency Interface and g-C ₃ N ₄ 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.	3.2	78
61	Carbon nanotube enhanced label-free detection of microRNAs based on hairpin probe triggered solid-phase rolling-circle amplification. <i>Nanoscale</i> , 2015, 7, 987-993.	2.8	77
62	Self-Catalyzed Surface Reaction-Induced Fluorescence Resonance Energy Transfer on Cysteine-Stabilized MnO ₂ Quantum Dots for Selective Detection of Dopamine. <i>Analytical Chemistry</i> , 2021, 93, 3586-3593.	3.2	74
63	Î±- and Î³-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.	3.5	73
64	Flawed MoO ₂ belts transformed from MoO ₃ on a graphene template for the hydrogen evolution reaction. <i>Nanoscale</i> , 2015, 7, 7040-7044.	2.8	73
65	A novel sensor based on electrodeposited Au-Pt 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.	4.0	73
66	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.	5.3	70
67	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, 24438-24445.	4.0	69
68	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.	3.2	67
69	In situ growth of TiO ₂ nanowires on Ti ₃ C ₂ 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.	5.3	65
70	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.	4.2	63
71	Label-Free Nanopore Proximity Bioassay for Platelet-Derived Growth Factor Detection. <i>Analytical Chemistry</i> , 2015, 87, 5677-5682.	3.2	61
72	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.	5.3	61

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73	Label-Free Nanopore Biosensor for Rapid and Highly Sensitive Cocaine Detection in Complex Biological Fluids. ACS Sensors, 2017, 2, 227-234.	4.0	60
74	An excellent enzyme biosensor based on Sb-doped SnO ₂ nanowires. Biosensors and Bioelectronics, 2010, 25, 2436-2441.	5.3	59
75	Applications of graphene and its derivatives in intracellular biosensing and bioimaging. Analyst, The, 2016, 141, 4541-4553.	1.7	58
76	Ti ₃ C ₂ MXene mediated Prussian blue in situ hybridization and electrochemical signal amplification for the detection of exosomes. Talanta, 2021, 224, 121879.	2.9	57
77	Nanomaterials in carbohydrate biosensors. TrAC - Trends in Analytical Chemistry, 2014, 58, 54-70.	5.8	55
78	Enzyme-free Electrochemical Detection of Hydrogen Peroxide Based on the 3D Flower-like Cu-based Metal Organic Frameworks and MXene Nanosheets. Chinese Journal of Chemistry, 2021, 39, 2181-2187.	2.6	55
79	Environmental transformation of graphene oxide in the aquatic environment. Chemosphere, 2021, 262, 127885.	4.2	54
80	Ultrasensitive detection of cancer cells and glycan expression profiling based on a multivalent recognition and alkaline phosphatase-responsive electrogenerated chemiluminescence biosensor. Nanoscale, 2014, 6, 11196-11203.	2.8	51
81	Size-controlled synthesis and characterization of quantum-size SnO ₂ nanocrystallites by a solvothermal route. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 312, 219-225.	2.3	50
82	Room-temperature ionic liquids as media to enhance the electrochemical stability of self-assembled monolayers of alkanethiols on gold electrodes. Chemical Communications, 2005, , 360.	2.2	49
83	Doped graphene: synthesis, properties and bioanalysis. RSC Advances, 2015, 5, 49521-49533.	1.7	49
84	Silver nanoparticle plasmonic enhanced Förster resonance energy transfer (FRET) imaging of protein-specific sialylation on the cell surface. Nanoscale, 2017, 9, 9841-9847.	2.8	48
85	Multiple signal amplification electrogenerated chemiluminescence biosensors for sensitive protein kinase activity analysis and inhibition. Biosensors and Bioelectronics, 2015, 68, 771-776.	5.3	45
86	Co ₃ O ₄ Hollow Polyhedrons as Bifunctional Electrocatalysts for Reduction and Evolution Reactions of Oxygen. Particle and Particle Systems Characterization, 2016, 33, 887-895.	1.2	45
87	Bamboo prepared carbon quantum dots (CQDs) for enhancing Bi ₃ Ti ₄ O ₁₂ nanosheets photocatalytic activity. Journal of Alloys and Compounds, 2018, 752, 106-114.	2.8	43
88	Visible-Light Induced Photocatalytic Activity of Electrospun-TiO ₂ in Arsenic(III) Oxidation. ACS Applied Materials & Interfaces, 2015, 7, 511-518.	4.0	42
89	Highly sensitive composite electrode based on electrospun carbon nanofibers and ionic liquid. Electrochemistry Communications, 2010, 12, 1108-1111.	2.3	41
90	A functional glycoprotein competitive recognition and signal amplification strategy for carbohydrate-protein interaction profiling and cell surface carbohydrate expression evaluation. Nanoscale, 2013, 5, 7349.	2.8	39

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91	Substitution Boosts Charge Separation for High Solar-Driven Photocatalytic Performance. ACS Applied Materials & Interfaces, 2016, 8, 26783-26793.	4.0	39
92	Enzyme-guided plasmonic biosensor based on dual-functional nanohybrid for sensitive detection of thrombin. Biosensors and Bioelectronics, 2015, 70, 404-410.	5.3	37
93	Molybdenum-doped mesoporous carbon/graphene composites as efficient electrocatalysts for the oxygen reduction reaction. Journal of Materials Chemistry A, 2015, 3, 19969-19973.	5.2	37
94	Glycosylated aniline polymer sensor: Amine to imine conversion on proteinâ€™s carbohydrate binding. Biosensors and Bioelectronics, 2013, 46, 183-189.	5.3	35
95	A novel ECL method for histone acetyltransferases (HATs) activity analysis by integrating HCR signal amplification and ECL silver clusters. Talanta, 2019, 198, 39-44.	2.9	34
96	Multienzyme decorated polysaccharide amplified electrogenerated chemiluminescence biosensor for cytosensing and cell surface carbohydrate profiling. Biosensors and Bioelectronics, 2017, 89, 1013-1019.	5.3	33
97	Temperatureâ€™Responsive Polymer/Carbon Nanotube Hybrids: Smart Conductive Nanocomposite Films for Modulating the Bioelectrocatalysis of NADH. Chemistry - A European Journal, 2012, 18, 3687-3694.	1.7	32
98	Selective electrochemical detection of dopamine using nitrogen-doped graphene/manganese monoxide composites. RSC Advances, 2015, 5, 85065-85072.	1.7	32
99	Nanopore-Based, Label-Free, and Real-Time Monitoring Assay for DNA Methyltransferase Activity and Inhibition. Analytical Chemistry, 2017, 89, 13252-13260.	3.2	32
100	Strongly Coupled Interface Structure in CoFe/Co ₃ O ₄ Nanohybrids as Efficient Oxygen Evolution Reaction Catalysts. ChemSusChem, 2019, 12, 4442-4451.	3.6	32
101	Highly Efficient AuPd/Carbon Nanotube Nanocatalysts for the Electroâ€™Fenton Process. Chemistry - A European Journal, 2015, 21, 7611-7620.	1.7	30
102	A label-free DNAzyme-based nanopore biosensor for highly sensitive and selective lead ion detection. Analytical Methods, 2016, 8, 7040-7046.	1.3	29
103	Orientational DNA binding and directed transport on nanomaterial heterojunctions. Nanoscale, 2020, 12, 5217-5226.	2.8	29
104	The Inherent Capacitive Behavior of Imidazolium-based Room-Temperature Ionic Liquids at Carbon Paste Electrode. Electrochemical and Solid-State Letters, 2005, 8, J17.	2.2	28
105	Ratio fluorescence analysis of T4 polynucleotide kinase activity based on the formation of a graphene quantum dotâ€™copper nanocluster nanohybrid. Nanoscale, 2019, 11, 13903-13908.	2.8	26
106	Amorphous CoFe Double Hydroxides Decorated with Naâ€™Doped CNTs for Efficient Electrochemical Oxygen Evolution. ChemSusChem, 2019, 12, 2679-2688.	3.6	26
107	Self-assembled oligo(phenylene ethynylene)s/graphene nanocomposite with improved electrochemical performances for dopamine determination. Analytica Chimica Acta, 2013, 767, 59-65.	2.6	25
108	Single-Molecule Analysis of Human Telomere Sequence Interactions with G-quadruplex Ligand. Analytical Chemistry, 2016, 88, 4533-4540.	3.2	25

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109	Ionic Liquid Assisted Electrospun Cellulose Acetate Fibers for Aqueous Removal of Triclosan. <i>Langmuir</i> , 2015, 31, 1820-1827.	1.6	24
110	A novel electrogenerated chemiluminescence biosensor for histone acetyltransferases activity analysis and inhibition based on mimetic superoxide dismutase of tannic acid assembled nanoprobe. <i>Biosensors and Bioelectronics</i> , 2018, 122, 205-210.	5.3	24
111	IrO ₂ /SnO ₂ electrodes: prepared by sol-gel process and their electrocatalytic for pyrocatechol. <i>Acta Materialia</i> , 2004, 52, 721-727.	3.8	23
112	Morphology-Controlled Synthesis of Monodisperse ZnO Troughs at the Air-Water Interface under Mild Conditions. <i>Journal of Physical Chemistry B</i> , 2005, 109, 22244-22249.	1.2	23
113	Pyrenebutyrate-functionalized graphene/poly(3-octyl-thiophene) nanocomposites based photoelectrochemical cell. <i>Journal of Electroanalytical Chemistry</i> , 2011, 656, 269-273.	1.9	23
114	Precise mono-Cu ⁺ ion doping enhanced electrogenerated chemiluminescence from CdIn ₄ S supertetrahedral chalcogenide nanoclusters for dopamine detection. <i>Nanoscale</i> , 2018, 10, 15932-15937.	2.8	22
115	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, 8297-8301.	1.7	21
116	Self-Assembled Nanorods of Phenylboronic Acid Functionalized Pyrene for <i>In Situ</i> Two-Photon Imaging of Cell Surface Sialic Acids and Photodynamic Therapy. <i>Analytical Chemistry</i> , 2021, 93, 7029-7036.	3.2	21
117	Influence of the binder on the electron transport in the dye-sensitized TiO ₂ electrode. <i>Thin Solid Films</i> , 2005, 484, 346-351.	0.8	20
118	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.	3.2	20
119	Self-Phosphorylating Deoxyribozyme Initiated Cascade Enzymatic Amplification for Guanosine-5'-triphosphate Detection. <i>Analytical Chemistry</i> , 2014, 86, 7907-7912.	3.2	19
120	Carbon nanoparticle ionic liquid hybrids and their photoluminescence properties. <i>Journal of Colloid and Interface Science</i> , 2011, 358, 146-150.	5.0	18
121	Electrodeposition of Pt nanoclusters on the surface modified by monolayer poly(amidoamine) dendrimer film. <i>Electrochemistry Communications</i> , 2005, 7, 1209-1212.	2.3	17
122	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.	1.7	17
123	Effect of methylsilsesquioxane filler on the properties of ionic liquid based polymer electrolyte. <i>Polymer</i> , 2005, 46, 7578-7584.	1.8	16
124	Anti-Site Defects-Assisted Enhancement of Electrogenerated Chemiluminescence from in Situ Mn ²⁺ -Doped Supertetrahedral Chalcogenide Nanoclusters. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 38223-38229.	4.0	16
125	Recent Progress of Novel Electrochemiluminescence Nanoprobes and Their Analytical Applications. <i>Frontiers in Chemistry</i> , 2020, 8, 626243.	1.8	16
126	In-situ one-step electro spray fabrication of polyvinylidene fluoride encapsulated CsPbBr ₃ spheres with high stability and cell imaging application. <i>Inorganic Chemistry Communication</i> , 2019, 106, 99-103.	1.8	14

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127	Recent Advances in Protein Kinase Activity Analysis Based on Nanomaterials. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1440.	1.8	14
128	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.	1.3	13
129	AgBr Nanocrystals from Plates to Cubes and Their Photocatalytic Properties. <i>ChemCatChem</i> , 2013, 5, 1426-1430.	1.8	13
130	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.	1.3	12
131	Title is missing!. <i>Journal of Nanoparticle Research</i> , 2000, 2, 309-313.	0.8	10
132	Application of Inorganic Layered Materials in Electrochemical Sensors. <i>Chinese Journal of Analytical Chemistry</i> , 2015, 43, 1648-1655.	0.9	10
133	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.	4.0	10
134	Catechin-inspired gold nanocluster nanoprobe for selective and ratiometric dopamine detection via forming azamoadine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 274, 121142.	2.0	9
135	Label-free imaging of epidermal growth factor receptor-induced response in single living cells. <i>Analyst</i> , 2018, 143, 5264-5270.	1.7	8
136	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.	1.9	7
137	Preparation and Bioelectrochemical Application of Gold Nanoparticles-Chitosan-Graphene Nanomaterials. <i>Acta Chimica Sinica</i> , 2012, 70, 2213.	0.5	7
138	Phosphate-guanidine interaction based fluorometric strategy for protein kinase activity sensing. <i>Sensors and Actuators B: Chemical</i> , 2019, 290, 512-519.	4.0	6
139	Electrochemiluminescence Single-Cell Analysis on Nanostructured Interface. <i>Electroanalysis</i> , 2022, 34, 937-946.	1.5	5
140	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.	1.3	4
141	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.	2.5	4
142	Biocompatible Phospholipid Modified Graphene Nanocomposite for Direct Electrochemistry of Redox Enzyme. <i>Acta Chimica Sinica</i> , 2014, 72, 388.	0.5	4
143	Gold Nanocluster-Encapsulated Hyperbranched Polyethyleneimine for Selective and Ratiometric Dopamine Analyses by Enhanced Self-Polymerization. <i>Frontiers in Chemistry</i> , 0, 10, .	1.8	4
144	Light-triggered evolution of molecular clusters toward sub-nanoscale heterojunctions with high interface density. <i>Chemical Communications</i> , 2019, 55, 8146-8149.	2.2	2