Yuanjian Zhang

List of Publications by Year
in descending order

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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	Liquid-Mediated Dense Integration of Graphene Materials for Compact Capacitive Energy Storage. Science, 2013, 341, 534-537.	12.6	1,666
2	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
3	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
4	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
5	Allosteric inhibition of SHP2 phosphatase inhibits cancers driven by receptor tyrosine kinases. Nature, 2016, 535, 148-152.	27.8	674
6	Three-dimensional strutted graphene grown by substrate-free sugar blowing for high-power-density supercapacitors. Nature Communications, 2013, 4, 2905.	12.8	606
7	Reduced TiO2 nanotube arrays for photoelectrochemical water splitting. Journal of Materials Chemistry A, 2013, 1, 5766.	10.3	507
8	Molecular engineering of polymeric carbon nitride: advancing applications from photocatalysis to biosensing and more. Chemical Society Reviews, 2018, 47, 2298-2321.	38.1	488
9	Quantifying the density and utilization of active sites in non-precious metal oxygen electroreduction catalysts. Nature Communications, 2015, 6, 8618.	12.8	461
10	Oneâ€Step Solvothermal Synthesis of a Carbon@TiO₂ Dyade Structure Effectively Promoting Visibleâ€Light Photocatalysis. Advanced Materials, 2010, 22, 3317-3321.	21.0	444
11	Surface Modification of Upconverting NaYF₄ Nanoparticles with PEGâ˜Phosphate Ligands for NIR (800 nm) Biolabeling within the Biological Window. Langmuir, 2010, 26, 1157-1164.	3.5	418
12	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
13	Size-Tunable, Ultrasmall NaGdF₄ Nanoparticles: Insights into Their T₁ MRI Contrast Enhancement. Chemistry of Materials, 2011, 23, 3714-3722.	6.7	396
14	Sustainable nitrogen-doped carbonaceous materials from biomass derivatives. Carbon, 2010, 48, 3778-3787.	10.3	361
15	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
16	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
17	Facile Oneâ€Pot Synthesis of Nanoporous Carbon Nitride Solids by Using Soft Templates. ChemSusChem, 2010, 3, 435-439.	6.8	313
18	Dissolution and Liquid Crystals Phase of 2D Polymeric Carbon Nitride. Journal of the American Chemical Society, 2015, 137, 2179-2182.	13.7	304

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19	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
20	Chemical Cleavage of Layered Carbon Nitride with Enhanced Photoluminescent Performances and Photoconduction. ACS Nano, 2015, 9, 12480-12487.	14.6	251
21	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
22	Self-doped SrTiO3â¯Î´ photocatalyst with enhanced activity for artificial photosynthesis under visible light. Energy and Environmental Science, 2011, 4, 4211.	30.8	244
23	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
24	Primary Reactions of the LOV2 Domain of Phototropin, a Plant Blue-Light Photoreceptor. Biochemistry, 2003, 42, 3385-3392.	2.5	214
25	Soft and hard templating of graphitic carbon nitride. Journal of Materials Chemistry A, 2015, 3, 14081-14092.	10.3	208
26	Toward Superior Capacitive Energy Storage: Recent Advances in Pore Engineering for Dense Electrodes. Advanced Materials, 2018, 30, e1705713.	21.0	195
27	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
28	Reversible Assembly of Graphitic Carbon Nitride 3D Network for Highly Selective Dyes Absorption and Regeneration. ACS Nano, 2016, 10, 9036-9043.	14.6	161
29	Unraveling fundamental active units in carbon nitride for photocatalytic oxidation reactions. Nature Communications, 2021, 12, 320.	12.8	150
30	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
31	Design and Synthesis of Multifunctional Materials Based on an Ionic-Liquid Backbone. Angewandte Chemie - International Edition, 2006, 45, 5867-5870.	13.8	144
32	NaDyF₄ Nanoparticles as T₂ Contrast Agents for Ultrahigh Field Magnetic Resonance Imaging. Journal of Physical Chemistry Letters, 2012, 3, 524-529.	4.6	144
33	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
34	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
35	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
36	Poly-l-lysine Functionalization of Single-Walled Carbon Nanotubes. Journal of Physical Chemistry B, 2004, 108, 15343-15346.	2.6	141

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37	Direct synthesis of nanoporous carbon nitride fibers using Al-based porous coordination polymers (Al-PCPs). Chemical Communications, 2011, 47, 8124.	4.1	140
38	Nitrogen- and phosphorus-co-doped carbons with tunable enhanced surface areas promoted by the doping additives. Chemical Communications, 2013, 49, 1208.	4.1	139
39	Chemically Modulated Carbon Nitride Nanosheets for Highly Selective Electrochemiluminescent Detection of Multiple Metal-ions. Analytical Chemistry, 2016, 88, 6004-6010.	6.5	137
40	Copper Tannic Acid Coordination Nanosheet: A Potent Nanozyme for Scavenging ROS from Cigarette Smoke. Small, 2020, 16, e1902123.	10.0	136
41	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
42	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
43	Ultrafast Condensation of Carbon Nitride on Electrodes with Exceptional Boosted Photocurrent and Electrochemiluminescence. Angewandte Chemie - International Edition, 2020, 59, 1139-1143.	13.8	129
44	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
45	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
46	Functionalization of single-walled carbon nanotubes with Prussian blue. Electrochemistry Communications, 2004, 6, 1180-1184.	4.7	122
47	Colorimetric detection of influenza A virus using antibody-functionalized gold nanoparticles. Analyst, The, 2015, 140, 3989-3995.	3.5	122
48	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
49	Ion-exchange synthesis of a micro/mesoporous Zn2GeO4 photocatalyst at room temperature for photoreduction of CO2. Chemical Communications, 2011, 47, 2041.	4.1	119
50	Biopolymer-Activated Graphitic Carbon Nitride towards a Sustainable Photocathode Material. Scientific Reports, 2013, 3, 2163.	3.3	116
51	Thionine-interlinked multi-walled carbon nanotube/gold nanoparticle composites. Carbon, 2007, 45, 2111-2115.	10.3	115
52	Identification of TNO155, an Allosteric SHP2 Inhibitor for the Treatment of Cancer. Journal of Medicinal Chemistry, 2020, 63, 13578-13594.	6.4	111
53	Dual Allosteric Inhibition of SHP2 Phosphatase. ACS Chemical Biology, 2018, 13, 647-656.	3.4	109
54	Electrochemiluminescence resonance energy transfer between graphene quantum dots and gold nanoparticles for DNA damage detection. Analyst, The, 2014, 139, 2404-2410.	3.5	107

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55	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
56	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
57	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
58	Synthetic Surfaces with Robust and Tunable Underwater Superoleophobicity. Advanced Functional Materials, 2015, 25, 1672-1681.	14.9	104
59	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
60	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
61	A Base-Catalyzed Mechanism for Dark State Recovery in theAvena sativaPhototropin-1 LOV2 Domainâ€. Biochemistry, 2007, 46, 3129-3137.	2.5	100
62	Superhydrophobic Thin Films Fabricated by Reactive Layer-by-Layer Assembly of Azlactone-Functionalized Polymers. Chemistry of Materials, 2010, 22, 6319-6327.	6.7	99
63	A biomass derived N/C-catalyst for the electrochemical production of hydrogen peroxide. Chemical Communications, 2017, 53, 9994-9997.	4.1	99
64	Ultrafast spectroscopy of biological photoreceptors. Current Opinion in Structural Biology, 2007, 17, 623-630.	5.7	98
65	Preparation of Highly Conductive, Self-Assembled Gold/Polyaniline Nanocables and Polyaniline Nanotubes. Chemistry - A European Journal, 2006, 12, 5314-5319.	3.3	97
66	Covalent stabilization and functionalization of MXene via silylation reactions with improved surface properties. FlatChem, 2019, 17, 100128.	5.6	94
67	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
68	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
69	Oriented nano-structured hydroxyapatite from the template. Chemical Physics Letters, 2003, 376, 493-497.	2.6	88
70	Combinations with Allosteric SHP2 Inhibitor TNO155 to Block Receptor Tyrosine Kinase Signaling. Clinical Cancer Research, 2021, 27, 342-354.	7.0	88
71	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
72	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

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73	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
74	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
75	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
76	Immobilization of ionic liquid with polyelectrolyte as carrier. Chemical Communications, 2005, , 4193.	4.1	81
77	Synthesis of nanoparticles, their biocompatibility, and toxicity behavior for biomedical applications. Journal of Materials Chemistry B, 2013, 1, 5186.	5.8	80
78	Coupling polymorphic nanostructured carbon nitrides into an isotype heterojunction with boosted photocatalytic H₂ evolution. Chemical Communications, 2017, 53, 2978-2981.	4.1	80
79	Electropolymerization and catalysis of well-dispersed polyaniline/carbon nanotube/gold composite. Journal of Electroanalytical Chemistry, 2007, 599, 121-126.	3.8	79
80	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
81	Visual, Label-Free Telomerase Activity Monitor via Enzymatic Etching of Gold Nanorods. Analytical Chemistry, 2017, 89, 12094-12100.	6.5	77
82	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
83	Intrinsically Sulfurâ€and Nitrogenâ€Coâ€doped Carbons from Thiazolium Salts. Chemistry - A European Journal, 2012, 18, 15416-15423.	3.3	76
84	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
85	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
86	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
87	Lanthanide-Based Heteroepitaxial Coreâ€“Shell Nanostructures: Compressive versus Tensile Strain Asymmetry. ACS Nano, 2014, 8, 10517-10527.	14.6	71
88	Metal-Free All-Carbon Nanohybrid for Ultrasensitive Photoelectrochemical Immunosensing of alpha-Fetoprotein. ACS Sensors, 2018, 3, 1385-1391.	7.8	70
89	Photoelectrochemical Properties of Nanomultiple CaFe₂O₄/ZnFe₂O₄pn Junction Photoelectrodes. Langmuir, 2013, 29, 3116-3124.	3.5	69
90	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

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91	Crystallinity Modulation of Layered Carbon Nitride for Enhanced Photocatalytic Activities. Chemistry - A European Journal, 2016, 22, 12449-12454.	3.3	66
92	Label-Free Detection of Telomerase Activity in Urine Using Telomerase-Responsive Porous Anodic Alumina Nanochannels. Analytical Chemistry, 2016, 88, 8107-8114.	6.5	64
93	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
94	Carbon nitride of five-membered rings with low optical bandgap for photoelectrochemical biosensing. CheM, 2021, 7, 2708-2721.	11.7	64
95	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
96	Conformational Heterogeneity and Propagation of Structural Changes in the LOV2/JÎ± Domain from Avena sativa Phototropin 1 as Recorded by Temperature-Dependent FTIR Spectroscopy. Biophysical Journal, 2009, 97, 238-247.	0.5	61
97	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
98	6-Amino-3-methylpyrimidinones as Potent, Selective, and Orally Efficacious SHP2 Inhibitors. Journal of Medicinal Chemistry, 2019, 62, 1793-1802.	6.4	61
99	Reinforcement of silica with single-walled carbon nanotubes through covalent functionalization. Journal of Materials Chemistry, 2006, 16, 4592.	6.7	60
100	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
101	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
102	Optimization of Fused Bicyclic Allosteric SHP2 Inhibitors. Journal of Medicinal Chemistry, 2019, 62, 1781-1792.	6.4	58
103	Label-free ultrasensitive detection of telomerase activity via multiple telomeric hemin/G-quadruplex triggered polyaniline deposition and a DNA tetrahedron-structure regulated signal. Chemical Communications, 2016, 52, 1796-1799.	4.1	57
104	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
105	Structural and Functional Consequences of Three Cancer-Associated Mutations of the Oncogenic Phosphatase SHP2. Biochemistry, 2016, 55, 2269-2277.	2.5	55
106	Molecular engineering of CxNy: Topologies, electronic structures and multidisciplinary applications. Chinese Chemical Letters, 2020, 31, 3047-3054.	9.0	54
107	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
108	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

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109	Doped-carbon electrocatalysts with trimodal porosity from a homogeneous polypeptide gel. Journal of Materials Chemistry A, 2013, 1, 13576.	10.3	51
110	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
111	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
112	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
113	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
114	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
115	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
116	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
117	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
118	Fabrication and Selective Functionalization of Amine-Reactive Polymer Multilayers on Topographically Patterned Microwell Cell Culture Arrays. Biomacromolecules, 2011, 12, 1998-2007.	5.4	46
119	A p-type Cr-doped TiO2 photo-electrode for photo-reduction. Chemical Communications, 2013, 49, 3440.	4.1	46
120	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
121	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
122	Coupling aptazyme and catalytic hairpin assembly for cascaded dual signal amplified electrochemiluminescence biosensing. Biosensors and Bioelectronics, 2020, 150, 111945.	10.1	46
123	Functionalization of Fibers Using Azlactone-Containing Polymers: Layer-by-Layer Fabrication of Reactive Thin Films on the Surfaces of Hair and Cellulose-Based Materials. ACS Applied Materials & Interfaces, 2010, 2, 1421-1429.	8.0	45
124	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
125	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
126	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

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127	Application of Spectral Crosstalk Correction for Improving Multiplexed MicroRNA Detection Using a Single Excitation Wavelength. Analytical Chemistry, 2017, 89, 3430-3436.	6.5	44
128	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
129	Photoelectrochemical reduction of carbon dioxide at CuInS2/graphene hybrid thin film electrode. Electrochimica Acta, 2016, 193, 1-6.	5.2	43
130	Identification of an allosteric benzothiazolopyrimidone inhibitor of the oncogenic protein tyrosine phosphatase SHP2. Bioorganic and Medicinal Chemistry, 2017, 25, 6479-6485.	3.0	43
131	Dissolution and homogeneous photocatalysis of polymeric carbon nitride. Chemical Science, 2018, 9, 7912-7915.	7.4	42
132	A Dual Functional Self-Enhanced Electrochemiluminescent Nanohybrid for Label-Free MicroRNA Detection. Analytical Chemistry, 2021, 93, 8971-8977.	6.5	42
133	Role of pyridine in photoelectrochemical reduction of CO₂to methanol at a CuInS₂thin film electrode. RSC Advances, 2014, 4, 39435-39438.	3.6	41
134	Comparison Study of the Photoelectrochemical Activity of Carbon Nitride with Different Photoelectrode Configurations. ACS Applied Materials & Interfaces, 2016, 8, 22287-22294.	8.0	41
135	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
136	One-step synthesis of 3D dendritic gold/polypyrrole nanocomposites via a self-assembly method. Nanotechnology, 2006, 17, 283-288.	2.6	40
137	Enzymatic reactivity of glucose oxidase confined in nanochannels. Biosensors and Bioelectronics, 2014, 55, 307-312.	10.1	39
138	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
139	Bound oxygen-atom transfer endows peroxidase-mimic Mâ€“Nâ€“C with high substrate selectivity. Chemical Science, 2021, 12, 8865-8871.	7.4	39
140	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
141	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
142	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
143	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
144	Selective local nitrogen doping in a TiO2 electrode for enhancing photoelectrochemical water splitting. Chemical Communications, 2012, 48, 8649.	4.1	37

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145	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
146	A sensitive, label-free electrochemical detection of telomerase activity without modification or immobilization. Biosensors and Bioelectronics, 2017, 91, 347-353.	10.1	37
147	Quantum dots for electrochemiluminescence bioanalysis - A review. Analytica Chimica Acta, 2022, 1209, 339140.	5.4	37
148	Exfoliation and Sensitization of 2D Carbon Nitride for Photoelectrochemical Biosensing under Red Light. Chemistry - A European Journal, 2019, 25, 15680-15686.	3.3	36
149	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
150	An effective approach to synthesis of poly(methyl methacrylate)/silica nanocomposites. Nanotechnology, 2006, 17, 4796-4801.	2.6	35
151	Boosted Electrochemical Immunosensing of Genetically Modified Crop Markers Using Nanobody and Mesoporous Carbon. ACS Sensors, 2018, 3, 684-691.	7.8	35
152	Telomerase and poly(ADP-ribose) polymerase-1 activity sensing based on the high fluorescence selectivity and sensitivity of TOTO-1 towards G bases in single-stranded DNA and poly(ADP-ribose). Chemical Science, 2019, 10, 3706-3714.	7.4	35
153	Ultrafast Condensation of Carbon Nitride on Electrodes with Exceptional Boosted Photocurrent and Electrochemiluminescence. Angewandte Chemie, 2020, 132, 1155-1159.	2.0	35
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