Yuehe Lin

List of Publications by Year
in descending order

572	68,114	433	981
papers	citations	131 h-index	237 g-index

581	581	581	53978
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Graphene Based Electrochemical Sensors and Biosensors: A Review. Electroanalysis, 2010, 22, 1027-1036.	1.5	2,779
2	Nitrogen-Doped Graphene and Its Application in Electrochemical Biosensing. ACS Nano, 2010, 4, 1790-1798.	7.3	1,977
3	Solubilization of Carbon Nanotubes by Nafion toward the Preparation of Amperometric Biosensors. Journal of the American Chemical Society, 2003, 125, 2408-2409.	6.6	1,365
4	Graphene and graphene oxide: biofunctionalization and applications in biotechnology. Trends in Biotechnology, 2011, 29, 205-212.	4.9	1,327
5	Electrochemical Sensors and Biosensors Based on Nanomaterials and Nanostructures. Analytical Chemistry, 2015, 87, 230-249.	3.2	1,220
6	Glucose Oxidaseâ€“grapheneâ€“chitosan modified electrode for direct electrochemistry and glucose sensing. Biosensors and Bioelectronics, 2009, 25, 901-905.	5.3	1,140
7	Low-potential stable NADH detection at carbon-nanotube-modified glassy carbon electrodes. Electrochemistry Communications, 2002, 4, 743-746.	2.3	1,055
8	Nitrogen-doped graphene and its electrochemical applications. Journal of Materials Chemistry, 2010, 20, 7491.	6.7	1,040
9	Singleâ€Atom Electrocatalysts. Angewandte Chemie - International Edition, 2017, 56, 13944-13960.	7.2	1,040
10	Aptamer/Graphene Oxide Nanocomplex for in Situ Molecular Probing in Living Cells. Journal of the American Chemical Society, 2010, 132, 9274-9276.	6.6	1,020
11	Graphene/TiO2 nanocomposites: synthesis, characterization and application in hydrogen evolution from water photocatalytic splitting. Journal of Materials Chemistry, 2010, 20, 2801.	6.7	999
12	Glucose Biosensors Based on Carbon Nanotube Nanoelectrode Ensembles. Nano Letters, 2004, 4, 191-195.	4.5	852
13	Highly efficient nonprecious metal catalysts towards oxygen reduction reaction based on three-dimensional porous carbon nanostructures. Chemical Society Reviews, 2016, 45, 517-531.	18.7	800
14	Facile and controllable electrochemical reduction of graphene oxide and its applications. Journal of Materials Chemistry, 2010, 20, 743-748.	6.7	787
15	Robust noble metal-based electrocatalysts for oxygen evolution reaction. Chemical Society Reviews, 2019, 48, 3181-3192.	18.7	756
16	Novel catalyst support materials for PEMfuelcells: current status and future prospects. Journal of Materials Chemistry, 2009, 19, 46-59.	6.7	618
17	Enhanced activity and stability of Pt catalysts on functionalized graphene sheets for electrocatalytic oxygen reduction. Electrochemistry Communications, 2009, 11, 954-957.	2.3	615
18	Engineering Ordered and Nonordered Porous Noble Metal Nanostructures: Synthesis, Assembly, and Their Applications in Electrochemistry. Chemical Reviews, 2015, 115, 8896-8943.	23.0	576

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19	Graphene based materials for biomedical applications. Materials Today, 2013, 16, 365-373.	8.3	571
20	A graphene-based electrochemical sensor for sensitive detection of paracetamol. Talanta, 2010, 81, 754-759.	2.9	549
21	Monodispersed Coreâ˜Shell Fe3O4@Au Nanoparticles. Journal of Physical Chemistry B, 2005, 109, 21593-21601.	1.2	545
22	Hierarchically Porous Mâ€“Nâ€“C (M = Co and Fe) Singleâ€Atom Electrocatalysts with Robust MN_x Active Moieties Enable Enhanced ORR Performance. Advanced Energy Materials, 2018, 8, 1801956.	10.2	540
23	Biosensor Based on Self-Assembling Acetylcholinesterase on Carbon Nanotubes for Flow Injection/Amperometric Detection of Organophosphate Pesticides and Nerve Agents. Analytical Chemistry, 2006, 78, 835-843.	3.2	457
24	Proteinâ€Based Nanomedicine Platforms for Drug Delivery. Small, 2009, 5, 1706-1721.	5.2	457
25	Electrochemical Sensor for Organophosphate Pesticides and Nerve Agents Using Zirconia Nanoparticles as Selective Sorbents. Analytical Chemistry, 2005, 77, 5894-5901.	3.2	450
26	Sensitive Immunosensor for Cancer Biomarker Based on Dual Signal Amplification Strategy of Graphene Sheets and Multienzyme Functionalized Carbon Nanospheres. Analytical Chemistry, 2010, 82, 2989-2995.	3.2	438
27	When Nanozymes Meet Singleâ€Atom Catalysis. Angewandte Chemie - International Edition, 2020, 59, 2565-2576.	7.2	422
28	Glucose biosensor based on immobilization of glucose oxidase in platinum nanoparticles/graphene/chitosan nanocomposite film. Talanta, 2009, 80, 403-406.	2.9	416
29	Direct Assembly of Large Arrays of Oriented Conducting Polymer Nanowires. Angewandte Chemie - International Edition, 2002, 41, 3665-3668.	7.2	402
30	Stabilization of Electrocatalytic Metal Nanoparticles at Metalâ˜Metal Oxideâ˜Graphene Triple Junction Points. Journal of the American Chemical Society, 2011, 133, 2541-2547.	6.6	391
31	Rapid and Sensitive Detection of Protein Biomarker Using a Portable Fluorescence Biosensor Based on Quantum Dots and a Lateral Flow Test Strip. Analytical Chemistry, 2010, 82, 7008-7014.	3.2	383
32	Highly durable graphene nanoplatelets supported Pt nanocatalysts for oxygen reduction. Journal of Power Sources, 2010, 195, 4600-4605.	4.0	378
33	Highly quaternized polystyrene ionomers for high performance anion exchange membrane water electrolysers. Nature Energy, 2020, 5, 378-385.	19.8	372
34	Graphene Decorated with PtAu Alloy Nanoparticles: Facile Synthesis and Promising Application for Formic Acid Oxidation. Chemistry of Materials, 2011, 23, 1079-1081.	3.2	366
35	Constraint of DNA on Functionalized Graphene Improves its Biostability and Specificity. Small, 2010, 6, 1205-1209.	5.2	342
36	Bimetallic Cobaltâ€Based Phosphide Zeolitic Imidazolate Framework: CoP_x Phaseâ€Dependent Electrical Conductivity and Hydrogen Atom Adsorption Energy for Efficient Overall Water Splitting. Advanced Energy Materials, 2017, 7, 1601555.	10.2	340

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37	Recent advances in electrochemical biosensors based on graphene two-dimensional nanomaterials. Biosensors and Bioelectronics, 2016, 76, 195-212.	5.3	321
38	Platinum/Carbon Nanotube Nanocomposite Synthesized in Supercritical Fluid as Electrocatalysts for Low-Temperature Fuel Cells. Journal of Physical Chemistry B, 2005, 109, 14410-14415.	1.2	316
39	Nitrogen-doped mesoporous carbon for energy storage in vanadium redox flow batteries. Journal of Power Sources, 2010, 195, 4375-4379.	4.0	306
40	Functionalized Graphene Oxide as a Nanocarrier in a Multienzyme Labeling Amplification Strategy for Ultrasensitive Electrochemical Immunoassay of Phosphorylated p53 (S392). Analytical Chemistry, 2011, 83, 746-752.	3.2	305
41	Nanomaterials for bio-functionalized electrodes: recent trends. Journal of Materials Chemistry B, 2013, 1, 4878.	2.9	302
42	Disposable Carbon Nanotube Modified Screen-Printed Biosensor for Amperometric Detection of Organophosphorus Pesticides and Nerve Agents. Electroanalysis, 2004, 16, 145-149.	1.5	299
43	PtRu/Carbon Nanotube Nanocomposite Synthesized in Supercritical Fluid:Â A Novel Electrocatalyst for Direct Methanol Fuel Cells. Langmuir, 2005, 21, 11474-11479.	1.6	298
44	Metalâ€Organic Frameworkâ€Derived Nonâ€Precious Metal Nanocatalysts for Oxygen Reduction Reaction. Advanced Energy Materials, 2017, 7, 1700363.	10.2	297
45	Electrostatic Selfâ€Assembly of a Ptâ€aroundâ€Au Nanocomposite with High Activity towards Formic Acid Oxidation. Angewandte Chemie - International Edition, 2010, 49, 2211-2214.	7.2	295
46	Single-Atom Catalysts for Electrochemical Water Splitting. ACS Energy Letters, 2018, 3, 1713-1721.	8.8	294
47	Polyelectrolyte-Induced Reduction of Exfoliated Graphite Oxide: A Facile Route to Synthesis of Soluble Graphene Nanosheets. ACS Nano, 2011, 5, 1785-1791.	7.3	293
48	MnO₂ Nanosheet-Carbon Dots Sensing Platform for Sensitive Detection of Organophosphorus Pesticides. Analytical Chemistry, 2018, 90, 2618-2624.	3.2	288
49	Nanomaterial labels in electrochemical immunosensors and immunoassays. Talanta, 2007, 74, 308-317.	2.9	275
50	Drug-Derived Bright and Color-Tunable N-Doped Carbon Dots for Cell Imaging and Sensitive Detection of Fe³⁺ in Living Cells. ACS Applied Materials & Interfaces, 2017, 9, 7399-7405.	4.0	267
51	Carbon quantum dots as fluorescence resonance energy transfer sensors for organophosphate pesticides determination. Biosensors and Bioelectronics, 2017, 94, 292-297.	5.3	263
52	pH-Sensitive ZnO Quantum Dotsâ€“Doxorubicin Nanoparticles for Lung Cancer Targeted Drug Delivery. ACS Applied Materials & Interfaces, 2016, 8, 22442-22450.	4.0	259
53	Feâ€“Nâ€“C Single-Atom Nanozymes for the Intracellular Hydrogen Peroxide Detection. Analytical Chemistry, 2019, 91, 11994-11999.	3.2	256
54	Selfâ€Assembled Feâ€“Nâ€Doped Carbon Nanotube Aerogels with Singleâ€Atom Catalyst Feature as Highâ€Efficiency Oxygen Reduction Electrocatalysts. Small, 2017, 13, 1603407.	5.2	254

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55	Recent Advances in Electrochemical Immunosensors. Analytical Chemistry, 2017, 89, 138-156.	3.2	254
56	Functionalized carbon nanotubes and nanofibers for biosensing applications. TrAC - Trends in Analytical Chemistry, 2008, 27, 619-626.	5.8	252
57	Determination of organophosphate pesticides at a carbon nanotube/organophosphorus hydrolase electrochemical biosensor. Analytica Chimica Acta, 2005, 530, 185-189.	2.6	251
58	Glucose Oxidase-Integrated Metalâ€“Organic Framework Hybrids as Biomimetic Cascade Nanozymes for Ultrasensitive Glucose Biosensing. ACS Applied Materials & Interfaces, 2019, 11, 22096-22101.	4.0	249
59	Supercritical fluid synthesis and characterization of catalytic metal nanoparticles on carbon nanotubes. Journal of Materials Chemistry, 2004, 14, 908.	6.7	246
60	Self-supporting activated carbon/carbon nanotube/reduced graphene oxide flexible electrode for high performance supercapacitor. Carbon, 2018, 129, 236-244.	5.4	244
61	Interphases in Sodiumâ€ion Batteries. Advanced Energy Materials, 2018, 8, 1703082.	10.2	236
62	Insights on forming N,O-coordinated Cu single-atom catalysts for electrochemical reduction CO2 to methane. Nature Communications, 2021, 12, 586.	5.8	230
63	Nanomaterial-based biosensors for environmental and biological monitoring of organophosphorus pesticides and nerve agents. TrAC - Trends in Analytical Chemistry, 2014, 54, 1-10.	5.8	227
64	Graphene-like two-dimensional layered nanomaterials: applications in biosensors and nanomedicine. Nanoscale, 2015, 7, 14217-14231.	2.8	227
65	Graphene-like 2D nanomaterial-based biointerfaces for biosensing applications. Biosensors and Bioelectronics, 2017, 89, 43-55.	5.3	221
66	Red carbon dots: Optical property regulations and applications. Materials Today, 2019, 30, 52-79.	8.3	221
67	Disposable Electrochemical Immunosensor Diagnosis Device Based on Nanoparticle Probe and Immunochromatographic Strip. Analytical Chemistry, 2007, 79, 7644-7653.	3.2	220
68	Graphene Quantum Dotâ€“MnO‹sub›2‹/sub› Nanosheet Based Optical Sensing Platform: A Sensitive Fluorescence â€œTurn Offâ€“Onâ€•Nanosensor for Glutathione Detection and Intracellular Imaging. ACS Applied Materials & Interfaces, 2016, 8, 21990-21996.	4.0	220
69	Self assembly of acetylcholinesterase on a gold nanoparticlesâ€“graphene nanosheet hybrid for organophosphate pesticide detection using polyelectrolyte as a linker. Journal of Materials Chemistry, 2011, 21, 5319.	6.7	219
70	Actinide Sequestration Using Self-Assembled Monolayers on Mesoporous Supports. Environmental Science & Technology, 2005, 39, 1324-1331.	4.6	216
71	In situ simultaneous monitoring of ATP and GTP using a graphene oxide nanosheetâ€“based sensing platform in living cells. Nature Protocols, 2014, 9, 1944-1955.	5.5	215
72	Efficient Synthesis of MCu (M = Pd, Pt, and Au) Aerogels with Accelerated Gelation Kinetics and their High Electrocatalytic Activity. Advanced Materials, 2016, 28, 8779-8783.	11.1	213

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73	Iron oxideâ€“gold coreâ€“shell nanoparticles and thin film assembly. Journal of Materials Chemistry, 2005, 15, 1821.	6.7	211
74	Amperometric glucose biosensor based on self-assembling glucose oxidase on carbon nanotubes. Electrochemistry Communications, 2006, 8, 251-256.	2.3	211
75	Singleâ€Atom Nanozyme Based on Nanoengineered Feâ€“Nâ€“C Catalyst with Superior Peroxidaseâ€Like Activity for Ultrasensitive Bioassays. Small, 2019, 15, e1901485.	5.2	209
76	Organic-phase biosensors for monitoring phenol and hydrogen peroxide in pharmaceutical antibacterial products. Analyst, The, 1993, 118, 277.	1.7	207
77	Templateless Assembly of Molecularly Aligned Conductive Polymer Nanowires: A New Approach for Oriented Nanostructures. Chemistry - A European Journal, 2003, 9, 604-611.	1.7	207
78	Oxidaseâ€Like Feâ€Nâ€C Singleâ€Atom Nanozymes for the Detection of Acetylcholinesterase Activity. Small, 2019, 15, e1903108.	5.2	207
79	Nanozyme-Mediated Dual Immunoassay Integrated with Smartphone for Use in Simultaneous Detection of Pathogens. ACS Applied Materials & Interfaces, 2017, 9, 40671-40680.	4.0	205
80	Graphene oxide modified TiO2 nanotube arrays: enhanced visible light photoelectrochemical properties. Nanoscale, 2012, 4, 1800.	2.8	196
81	Overcoming bloodâ€“brain barrier transport: Advances in nanoparticle-based drug delivery strategies. Materials Today, 2020, 37, 112-125.	8.3	196
82	Supercritical fluid extraction of lanthanides and actinides from solid materials with a fluorinated .beta.-diketone. Analytical Chemistry, 1993, 65, 2549-2551.	3.2	195
83	Generation of Multiple Electrosprays Using Microfabricated Emitter Arrays for Improved Mass Spectrometric Sensitivity. Analytical Chemistry, 2001, 73, 1658-1663.	3.2	195
84	Oxidase-mimicking activity of ultrathin MnO₂nanosheets in colorimetric assay of acetylcholinesterase activity. Nanoscale, 2017, 9, 2317-2323.	2.8	194
85	Recent advances in carbon dots for bioimaging applications. Nanoscale Horizons, 2020, 5, 218-234.	4.1	192
86	In Situ Live Cell Sensing of Multiple Nucleotides Exploiting DNA/RNA Aptamers and Graphene Oxide Nanosheets. Analytical Chemistry, 2013, 85, 6775-6782.	3.2	189
87	Supercritical Fluid Fabrication of Metal Nanowires and Nanorods Templated by Multiwalled Carbon Nanotubes. Advanced Materials, 2003, 15, 316-319.	11.1	186
88	Unprecedented peroxidase-mimicking activity of single-atom nanozyme with atomically dispersed Feâ€“Nx moieties hosted by MOF derived porous carbon. Biosensors and Bioelectronics, 2019, 142, 111495.	5.3	186
89	Recent advances in functionalized MnO₂ nanosheets for biosensing and biomedicine applications. Nanoscale Horizons, 2019, 4, 321-338.	4.1	185
90	Recent progress in nanomaterials for gene delivery applications. Biomaterials Science, 2016, 4, 1291-1309.	2.6	183

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91	Quantum Dot-Based Immunochromatographic Fluorescent Biosensor for Biomonitoring Trichloropyridinol, a Biomarker of Exposure to Chlorpyrifos. Analytical Chemistry, 2010, 82, 5125-5133.	3.2	178
92	Facile One-Step Synthesis of Three-Dimensional Pdâ€“Ag Bimetallic Alloy Networks and Their Electrocatalytic Activity toward Ethanol Oxidation. ACS Applied Materials & Interfaces, 2015, 7, 13842-13848.	4.0	176
93	Enhanced Photoelectrochemical Immunosensing Platform Based on CdSeTe@CdS:Mn Coreâ€“Shell Quantum Dots-Sensitized TiO₂ Amplified by CuS Nanocrystals Conjugated Signal Antibodies. Analytical Chemistry, 2016, 88, 3392-3399.	3.2	174
94	Sensitive Immunoassay of a Biomarker Tumor Necrosis Factor-Î± Based on Poly(guanine)-Functionalized Silica Nanoparticle Label. Analytical Chemistry, 2006, 78, 6974-6979.	3.2	172
95	Recent progress in nanostructured electrocatalysts for PEM fuel cells. Journal of Materials Chemistry A, 2013, 1, 4631.	5.2	172
96	Facilely Tuning Porous NiCo₂O₄ Nanosheets with Metal Valenceâ€State Alteration and Abundant Oxygen Vacancies as Robust Electrocatalysts Towards Water Splitting. Chemistry - A European Journal, 2016, 22, 4000-4007.	1.7	172
97	Voltammetric detection of lead(ii) and mercury(ii) using a carbon paste electrode modified with thiol self-assembled monolayer on mesoporous silica (SAMMS). Analyst, The, 2003, 128, 467-472.	1.7	170
98	Metalâ€“organic framework based nanozymes: promising materials for biochemical analysis. Chemical Communications, 2020, 56, 11338-11353.	2.2	170
99	One-step electrochemical deposition of a graphene-ZrO2 nanocomposite: Preparation, characterization and application for detection of organophosphorus agents. Journal of Materials Chemistry, 2011, 21, 8032.	6.7	169
100	Farâ€Red to Nearâ€Infrared Carbon Dots: Preparation and Applications in Biotechnology. Small, 2019, 15, e1901507.	5.2	169
101	Selective Sorption of Cesium Using Self-Assembled Monolayers on Mesoporous Supports. Environmental Science & Technology, 2001, 35, 3962-3966.	4.6	168
102	Microfabricated isoelectric focusing device for direct electrospray ionization-mass spectrometry. Electrophoresis, 2000, 21, 191-197.	1.3	165
103	Nanomaterial-enhanced paper-based biosensors. TrAC - Trends in Analytical Chemistry, 2014, 58, 31-39.	5.8	165
104	Acetylcholinesterase biosensor based on a gold nanoparticleâ€“polypyrroleâ€“reduced graphene oxide nanocomposite modified electrode for the amperometric detection of organophosphorus pesticides. Analyst, The, 2014, 139, 3055.	1.7	165
105	A Microfabricated Dialysis Device for Sample Cleanup in Electrospray Ionization Mass Spectrometry. Analytical Chemistry, 1998, 70, 3553-3556.	3.2	162
106	A nanoparticle label/immunochromatographic electrochemical biosensor for rapid and sensitive detection of prostate-specific antigen. Biosensors and Bioelectronics, 2008, 23, 1659-1665.	5.3	161
107	A Direct Route toward Assembly of Nanoparticleâˆ'Carbon Nanotube Composite Materials. Langmuir, 2004, 20, 6019-6025.	1.6	158
108	An Integrated Microfabricated Device for Dual Microdialysis and On-Line ESI-Ion Trap Mass Spectrometry for Analysis of Complex Biological Samples. Analytical Chemistry, 1999, 71, 1485-1490.	3.2	156

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109	Recent Advances in Biosensors for Detecting Cancer-Derived Exosomes. Trends in Biotechnology, 2019, 37, 1236-1254.	4.9	155
110	Carbon nanotubes decorated with Pt nanoparticles via electrostatic self-assembly: a highly active oxygen reduction electrocatalyst. Journal of Materials Chemistry, 2010, 20, 2826.	6.7	153
111	Electrocatalytic reactivity for oxygen reduction of palladium-modified carbon nanotubes synthesized in supercritical fluid. Electrochemistry Communications, 2005, 7, 267-274.	2.3	152
112	Electrochemical stripping analysis of organophosphate pesticides and nerve agents. Electrochemistry Communications, 2005, 7, 339-343.	2.3	150
113	Metalâ€“organic frameworks-based catalysts for electrochemical oxygen evolution. Materials Horizons, 2019, 6, 684-702.	6.4	149
114	Secondary-Atom-Assisted Synthesis of Single Iron Atoms Anchored on N-Doped Carbon Nanowires for Oxygen Reduction Reaction. ACS Catalysis, 2019, 9, 5929-5934.	5.5	149
115	Single-Channel Microchip for Fast Screening and Detailed Identification of Nitroaromatic Explosives or Organophosphate Nerve Agents. Analytical Chemistry, 2002, 74, 1187-1191.	3.2	148
116	Simultaneous detection of cadmium, copper, and lead using a carbon paste electrode modified with carbamoylphosphonic acid self-assembled monolayer on mesoporous silica (SAMMS). Analytica Chimica Acta, 2004, 502, 207-212.	2.6	148
117	Graphene and graphene-like 2D materials for optical biosensing and bioimaging: a review. 2D Materials, 2015, 2, 032004.	2.0	148
118	Supercritical Fluid Extraction of Thorium and Uranium Ions from Solid and Liquid Materials with Fluorinated .beta.-Diketones and Tributyl Phosphate. Environmental Science & Technology, 1994, 28, 1190-1193.	4.6	145
119	Decorating catalytic palladium nanoparticles on carbon nanotubes in supercritical carbon dioxide. Chemical Communications, 2003, , 642-643.	2.2	145
120	A nanocomposite of carbon quantum dots and TiO₂nanotube arrays: enhancing photoelectrochemical and photocatalytic properties. RSC Advances, 2014, 4, 1120-1127.	1.7	145
121	Recent advances in emerging 2D nanomaterials for biosensing and bioimaging applications. Materials Today, 2018, 21, 164-177.	8.3	145
122	Smart polymers and nanocomposites for 3D and 4D printing. Materials Today, 2020, 40, 215-245.	8.3	144
123	Covalent coupling of organophosphorus hydrolase loaded quantum dots to carbon nanotube/Au nanocomposite for enhanced detection of methyl parathion. Biosensors and Bioelectronics, 2010, 25, 1370-1375.	5.3	143
124	Single-atom catalysts boost signal amplification for biosensing. Chemical Society Reviews, 2021, 50, 750-765.	18.7	142
125	Nanoelectrode Arrays Based on Low Site Density Aligned Carbon Nanotubes. Nano Letters, 2003, 3, 107-109.	4.5	141
126	Extracellular Reduction of Hexavalent Chromium by Cytochromes MtrC and OmcA of Shewanella oneidensis MR-1. Applied and Environmental Microbiology, 2011, 77, 4035-4041.	1.4	140

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127	Electrochemical Sensors for the Detection of Lead and Other Toxic Heavy Metals: The Next Generation of Personal Exposure Biomonitors. Environmental Health Perspectives, 2007, 115, 1683-1690.	2.8	139
128	Synthesis of graphene nanosheetsviaoxalic acid-induced chemical reduction of exfoliated graphite oxide. RSC Advances, 2012, 2, 1168-1173.	1.7	139
129	Highly Ordered Mesoporous Bimetallic Phosphides as Efficient Oxygen Evolution Electrocatalysts. ACS Energy Letters, 2016, 1, 792-796.	8.8	139
130	Supercritical Fluid Extraction of Lanthanides with Fluorinated .beta.-Diketones and Tributyl Phosphate. Analytical Chemistry, 1994, 66, 1971-1975.	3.2	138
131	Nanoparticleâ€Based Electrochemical Immunosensor for the Detection of Phosphorylated Acetylcholinesterase: An Exposure Biomarker of Organophosphate Pesticides and Nerve Agents. Chemistry - A European Journal, 2008, 14, 9951-9959.	1.7	138
132	Aptasensor based on fluorophore-quencher nano-pair and smartphone spectrum reader for on-site quantification of multi-pesticides. Biosensors and Bioelectronics, 2018, 117, 75-83.	5.3	137
133	Design of graphene sheets-supported Pt catalyst layer in PEM fuel cells. Electrochemistry Communications, 2011, 13, 258-261.	2.3	135
134	Colloidal gold nanoparticle probe-based immunochromatographic assay for the rapid detection of chromium ions in water and serum samples. Analytica Chimica Acta, 2012, 745, 99-105.	2.6	135
135	Ultrasensitive voltammetric detection of trace heavy metal ions using carbon nanotube nanoelectrode array. Analyst, The, 2005, 130, 1098.	1.7	134
136	Sensitive electrochemical detection of enzymatically generated thiocholine at carbon nanotube modified glassy carbon electrode. Electrochemistry Communications, 2005, 7, 1163-1169.	2.3	133
137	Facile synthesis of PtAu alloy nanoparticles with high activity for formic acid oxidation. Journal of Power Sources, 2010, 195, 1103-1106.	4.0	133
138	Low-potential amperometric determination of hydrogen peroxide with a carbon paste electrode modified with nanostructured cryptomelane-type manganese oxides. Electrochemistry Communications, 2005, 7, 166-172.	2.3	131
139	Nanomaterial-based electrochemical biosensors for food safety. Journal of Electroanalytical Chemistry, 2016, 781, 147-154.	1.9	131
140	Nanozyme-involved biomimetic cascade catalysis for biomedical applications. Materials Today, 2021, 44, 211-228.	8.3	131
141	Sensitive detection of Escherichia coli O157:H7 using Ptâ€“Au bimetal nanoparticles with peroxidase-like amplification. Biosensors and Bioelectronics, 2016, 77, 687-694.	5.3	130
142	Nanovoid Incorporated Ir_xCu Metallic Aerogels for Oxygen Evolution Reaction Catalysis. ACS Energy Letters, 2018, 3, 2038-2044.	8.8	129
143	Magnetic Electrochemical Immunoassays with Quantum Dot Labels for Detection of Phosphorylated Acetylcholinesterase in Plasma. Analytical Chemistry, 2008, 80, 8477-8484.	3.2	128
144	Supercritical fluid extraction of uranium and thorium from nitric acid solutions with organophosphorus reagents. Environmental Science & Technology, 1995, 29, 2706-2708.	4.6	127

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145	Bioinspired Synthesis of Allâ€inâ€One Organicâ€“Inorganic Hybrid Nanoflowers Combined with a Handheld pH Meter for Onâ€Site Detection of Food Pathogen. Small, 2016, 12, 3094-3100.	5.2	127
146	3D graphene-based hybrid materials: synthesis and applications in energy storage and conversion. Nanoscale, 2016, 8, 15414-15447.	2.8	127
147	Carbon nanotubes (CNTs) For the development of electrochemical biosensors. Frontiers in Bioscience - Landmark, 2005, 10, 492.	3.0	126
148	Composition-Controlled Synthesis of Bimetallic Goldâ^'Silver Nanoparticles. Langmuir, 2004, 20, 11240-11246.	1.6	125
149	Colorimetric and chemiluminescent dual-readout immunochromatographic assay for detection of pesticide residues utilizing g-C3N4/BiFeO3 nanocomposites. Biosensors and Bioelectronics, 2018, 106, 43-49.	5.3	124
150	Yolk-shell structured Sb@C anodes for high energy Na-ion batteries. Nano Energy, 2017, 40, 504-511.	8.2	123
151	Integrated Lateral Flow Test Strip with Electrochemical Sensor for Quantification of Phosphorylated Cholinesterase: Biomarker of Exposure to Organophosphorus Agents. Analytical Chemistry, 2012, 84, 1380-1385.	3.2	122
152	Selective Removal of Copper(II) from Aqueous Solutions Using Fine-Grained Activated Carbon Functionalized with Amine. Industrial & Engineering Chemistry Research, 2004, 43, 2759-2764.	1.8	121
153	Highly-defective Fe-N-C catalysts towards pH-Universal oxygen reduction reaction. Applied Catalysis B: Environmental, 2020, 263, 118347.	10.8	121
154	Biosensors based on fluorescence carbon nanomaterials for detection of pesticides. TrAC - Trends in Analytical Chemistry, 2021, 134, 116126.	5.8	121
155	Carbon Nanotube-Based Electrochemical Sensor for Assay of Salivary Cholinesterase Enzyme Activity: An Exposure Biomarker of Organophosphate Pesticides and Nerve Agents. Environmental Science & Technology, 2008, 42, 2688-2693.	4.6	119
156	Quantumâ€Dotâ€Based Electrochemical Immunoassay for Highâ€Throughput Screening of the Prostateâ€Specific Antigen. Small, 2008, 4, 82-86.	5.2	118
157	Biosensor based on Prussian blue nanocubes/reduced graphene oxide nanocomposite for detection of organophosphorus pesticides. Nanoscale, 2012, 4, 4674.	2.8	118
158	Ultrafine and highly disordered Ni2Fe1 nanofoams enabled highly efficient oxygen evolution reaction in alkaline electrolyte. Nano Energy, 2018, 44, 319-326.	8.2	118
159	Porous Carbonâ€Hosted Atomically Dispersed Ironâ€“Nitrogen Moiety as Enhanced Electrocatalysts for Oxygen Reduction Reaction in a Wide Range of pH. Small, 2018, 14, e1703118.	5.2	117
160	When Nanozymes Meet Singleâ€Atom Catalysis. Angewandte Chemie, 2020, 132, 2585-2596.	1.6	117
161	2D Graphene Oxide/Fe-MOF Nanozyme Nest with Superior Peroxidase-Like Activity and Its Application for Detection of Woodsmoke Exposure Biomarker. Analytical Chemistry, 2019, 91, 13847-13854.	3.2	116
162	A Nanozyme- and Ambient Light-Based Smartphone Platform for Simultaneous Detection of Dual Biomarkers from Exposure to Organophosphorus Pesticides. Analytical Chemistry, 2018, 90, 7391-7398.	3.2	114

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