

Yuehe Lin

List of Publications by Year in descending order

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572
papers

68,114
citations

434

131
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983

237
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581
all docs

581
docs citations

581
times ranked

53978
citing authors

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

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19	Graphene based materials for biomedical applications. <i>Materials Today</i> , 2013, 16, 365-373.	8.3	571
20	A graphene-based electrochemical sensor for sensitive detection of paracetamol. <i>Talanta</i> , 2010, 81, 754-759.	2.9	549
21	Monodispersed Core-Shell Fe ₃ O ₄ @Au Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2005, 109, 21593-21601.	1.2	545
22	Hierarchically Porous Mn-N-C (M = Co and Fe) Single-Atom Electrocatalysts with Robust MN _x Active Moieties Enable Enhanced ORR Performance. <i>Advanced Energy Materials</i> , 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. <i>Analytical Chemistry</i> , 2006, 78, 835-843.	3.2	457
24	Protein-Based Nanomedicine Platforms for Drug Delivery. <i>Small</i> , 2009, 5, 1706-1721.	5.2	457
25	Electrochemical Sensor for Organophosphate Pesticides and Nerve Agents Using Zirconia Nanoparticles as Selective Sorbents. <i>Analytical Chemistry</i> , 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. <i>Analytical Chemistry</i> , 2010, 82, 2989-2995.	3.2	438
27	When Nanozymes Meet Single-Atom Catalysis. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 2565-2576.	7.2	422
28	Glucose biosensor based on immobilization of glucose oxidase in platinum nanoparticles/graphene/chitosan nanocomposite film. <i>Talanta</i> , 2009, 80, 403-406.	2.9	416
29	Direct Assembly of Large Arrays of Oriented Conducting Polymer Nanowires. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 3665-3668.	7.2	402
30	Stabilization of Electrocatalytic Metal Nanoparticles at Metal-Metal Oxide-Graphene Triple Junction Points. <i>Journal of the American Chemical Society</i> , 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. <i>Analytical Chemistry</i> , 2010, 82, 7008-7014.	3.2	383
32	Highly durable graphene nanoplatelets supported Pt nanocatalysts for oxygen reduction. <i>Journal of Power Sources</i> , 2010, 195, 4600-4605.	4.0	378
33	Highly quaternized polystyrene ionomers for high performance anion exchange membrane water electrolyzers. <i>Nature Energy</i> , 2020, 5, 378-385.	19.8	372
34	Graphene Decorated with PtAu Alloy Nanoparticles: Facile Synthesis and Promising Application for Formic Acid Oxidation. <i>Chemistry of Materials</i> , 2011, 23, 1079-1081.	3.2	366
35	Constraint of DNA on Functionalized Graphene Improves its Biostability and Specificity. <i>Small</i> , 2010, 6, 1205-1209.	5.2	342
36	Bimetallic Cobalt-Based Phosphide Zeolitic Imidazolate Framework: CoP _x Phase-Dependent Electrical Conductivity and Hydrogen Atom Adsorption Energy for Efficient Overall Water Splitting. <i>Advanced Energy Materials</i> , 2017, 7, 1601555.	10.2	340

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37	Recent advances in electrochemical biosensors based on graphene two-dimensional nanomaterials. <i>Biosensors and Bioelectronics</i> , 2016, 76, 195-212.	5.3	321
38	Platinum/Carbon Nanotube Nanocomposite Synthesized in Supercritical Fluid as Electrocatalysts for Low-Temperature Fuel Cells. <i>Journal of Physical Chemistry B</i> , 2005, 109, 14410-14415.	1.2	316
39	Nitrogen-doped mesoporous carbon for energy storage in vanadium redox flow batteries. <i>Journal of Power Sources</i> , 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). <i>Analytical Chemistry</i> , 2011, 83, 746-752.	3.2	305
41	Nanomaterials for bio-functionalized electrodes: recent trends. <i>Journal of Materials Chemistry B</i> , 2013, 1, 4878.	2.9	302
42	Disposable Carbon Nanotube Modified Screen-Printed Biosensor for Amperometric Detection of Organophosphorus Pesticides and Nerve Agents. <i>Electroanalysis</i> , 2004, 16, 145-149.	1.5	299
43	PtRu/Carbon Nanotube Nanocomposite Synthesized in Supercritical Fluid: A Novel Electrocatalyst for Direct Methanol Fuel Cells. <i>Langmuir</i> , 2005, 21, 11474-11479.	1.6	298
44	Metal-Organic Framework-Derived Non-Precious Metal Nanocatalysts for Oxygen Reduction Reaction. <i>Advanced Energy Materials</i> , 2017, 7, 1700363.	10.2	297
45	Electrostatic Self-Assembly of a Pt-around-Au Nanocomposite with High Activity towards Formic Acid Oxidation. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 2211-2214.	7.2	295
46	Single-Atom Catalysts for Electrochemical Water Splitting. <i>ACS Energy Letters</i> , 2018, 3, 1713-1721.	8.8	294
47	Polyelectrolyte-Induced Reduction of Exfoliated Graphite Oxide: A Facile Route to Synthesis of Soluble Graphene Nanosheets. <i>ACS Nano</i> , 2011, 5, 1785-1791.	7.3	293
48	MnO ₂ Nanosheet-Carbon Dots Sensing Platform for Sensitive Detection of Organophosphorus Pesticides. <i>Analytical Chemistry</i> , 2018, 90, 2618-2624.	3.2	288
49	Nanomaterial labels in electrochemical immunosensors and immunoassays. <i>Talanta</i> , 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 Fe ³⁺ in Living Cells. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 7399-7405.	4.0	267
51	Carbon quantum dots as fluorescence resonance energy transfer sensors for organophosphate pesticides determination. <i>Biosensors and Bioelectronics</i> , 2017, 94, 292-297.	5.3	263
52	pH-Sensitive ZnO Quantum Dots-Doxorubicin Nanoparticles for Lung Cancer Targeted Drug Delivery. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 22442-22450.	4.0	259
53	Fe-N-C Single-Atom Nanozymes for the Intracellular Hydrogen Peroxide Detection. <i>Analytical Chemistry</i> , 2019, 91, 11994-11999.	3.2	256
54	Self-Assembled Fe-Doped Carbon Nanotube Aerogels with Single-Atom Catalyst Feature as High-Efficiency Oxygen Reduction Electrocatalysts. <i>Small</i> , 2017, 13, 1603407.	5.2	254

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

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73	Iron oxide-gold core-shell nanoparticles and thin film assembly. <i>Journal of Materials Chemistry</i> , 2005, 15, 1821.	6.7	211
74	Amperometric glucose biosensor based on self-assembling glucose oxidase on carbon nanotubes. <i>Electrochemistry Communications</i> , 2006, 8, 251-256.	2.3	211
75	Single-Atom Nanozyme Based on Nanoengineered Fe-N-C Catalyst with Superior Peroxidase-Like Activity for Ultrasensitive Bioassays. <i>Small</i> , 2019, 15, e1901485.	5.2	209
76	Organic-phase biosensors for monitoring phenol and hydrogen peroxide in pharmaceutical antibacterial products. <i>Analyst</i> , 1993, 118, 277.	1.7	207
77	Templateless Assembly of Molecularly Aligned Conductive Polymer Nanowires: A New Approach for Oriented Nanostructures. <i>Chemistry - A European Journal</i> , 2003, 9, 604-611.	1.7	207
78	Oxidase-Like Fe-N-C Single-Atom Nanozymes for the Detection of Acetylcholinesterase Activity. <i>Small</i> , 2019, 15, e1903108.	5.2	207
79	Nanozyme-Mediated Dual Immunoassay Integrated with Smartphone for Use in Simultaneous Detection of Pathogens. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 40671-40680.	4.0	205
80	Graphene oxide modified TiO ₂ nanotube arrays: enhanced visible light photoelectrochemical properties. <i>Nanoscale</i> , 2012, 4, 1800.	2.8	196
81	Overcoming blood-brain barrier transport: Advances in nanoparticle-based drug delivery strategies. <i>Materials Today</i> , 2020, 37, 112-125.	8.3	196
82	Supercritical fluid extraction of lanthanides and actinides from solid materials with a fluorinated .beta.-diketone. <i>Analytical Chemistry</i> , 1993, 65, 2549-2551.	3.2	195
83	Generation of Multiple Electrospays Using Microfabricated Emitter Arrays for Improved Mass Spectrometric Sensitivity. <i>Analytical Chemistry</i> , 2001, 73, 1658-1663.	3.2	195
84	Oxidase-mimicking activity of ultrathin MnO ₂ nanosheets in colorimetric assay of acetylcholinesterase activity. <i>Nanoscale</i> , 2017, 9, 2317-2323.	2.8	194
85	Recent advances in carbon dots for bioimaging applications. <i>Nanoscale Horizons</i> , 2020, 5, 218-234.	4.1	192
86	In Situ Live Cell Sensing of Multiple Nucleotides Exploiting DNA/RNA Aptamers and Graphene Oxide Nanosheets. <i>Analytical Chemistry</i> , 2013, 85, 6775-6782.	3.2	189
87	Supercritical Fluid Fabrication of Metal Nanowires and Nanorods Templated by Multiwalled Carbon Nanotubes. <i>Advanced Materials</i> , 2003, 15, 316-319.	11.1	186
88	Unprecedented peroxidase-mimicking activity of single-atom nanozyme with atomically dispersed Fe-Nx moieties hosted by MOF derived porous carbon. <i>Biosensors and Bioelectronics</i> , 2019, 142, 111495.	5.3	186
89	Recent advances in functionalized MnO ₂ nanosheets for biosensing and biomedicine applications. <i>Nanoscale Horizons</i> , 2019, 4, 321-338.	4.1	185
90	Recent progress in nanomaterials for gene delivery applications. <i>Biomaterials Science</i> , 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. <i>Analytical Chemistry</i> , 2010, 82, 5125-5133.	3.2	178
92	Facile One-Step Synthesis of Three-Dimensional Pd@Ag Bimetallic Alloy Networks and Their Electrocatalytic Activity toward Ethanol Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 13842-13848.	4.0	176
93	Enhanced Photoelectrochemical Immunosensing Platform Based on CdSeTe@CdS:Mn Core-Shell Quantum Dots-Sensitized TiO ₂ Amplified by CuS Nanocrystals Conjugated Signal Antibodies. <i>Analytical Chemistry</i> , 2016, 88, 3392-3399.	3.2	174
94	Sensitive Immunoassay of a Biomarker Tumor Necrosis Factor- α Based on Poly(guanine)-Functionalized Silica Nanoparticle Label. <i>Analytical Chemistry</i> , 2006, 78, 6974-6979.	3.2	172
95	Recent progress in nanostructured electrocatalysts for PEM fuel cells. <i>Journal of Materials Chemistry A</i> , 2013, 1, 4631.	5.2	172
96	Facilely Tuning Porous NiCo ₂ O ₄ Nanosheets with Metal Valence State Alteration and Abundant Oxygen Vacancies as Robust Electrocatalysts Towards Water Splitting. <i>Chemistry - A European Journal</i> , 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). <i>Analyst, The</i> , 2003, 128, 467-472.	1.7	170
98	Metal-organic framework based nanozymes: promising materials for biochemical analysis. <i>Chemical Communications</i> , 2020, 56, 11338-11353.	2.2	170
99	One-step electrochemical deposition of a graphene-ZrO ₂ nanocomposite: Preparation, characterization and application for detection of organophosphorus agents. <i>Journal of Materials Chemistry</i> , 2011, 21, 8032.	6.7	169
100	Far-Red to Near-Infrared Carbon Dots: Preparation and Applications in Biotechnology. <i>Small</i> , 2019, 15, e1901507.	5.2	169
101	Selective Sorption of Cesium Using Self-Assembled Monolayers on Mesoporous Supports. <i>Environmental Science & Technology</i> , 2001, 35, 3962-3966.	4.6	168
102	Microfabricated isoelectric focusing device for direct electrospray ionization-mass spectrometry. <i>Electrophoresis</i> , 2000, 21, 191-197.	1.3	165
103	Nanomaterial-enhanced paper-based biosensors. <i>TrAC - Trends in Analytical Chemistry</i> , 2014, 58, 31-39.	5.8	165
104	Acetylcholinesterase biosensor based on a gold nanoparticle-polypyrrole-reduced graphene oxide nanocomposite modified electrode for the amperometric detection of organophosphorus pesticides. <i>Analyst, The</i> , 2014, 139, 3055.	1.7	165
105	A Microfabricated Dialysis Device for Sample Cleanup in Electrospray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 1998, 70, 3553-3556.	3.2	162
106	A nanoparticle label/immunochromatographic electrochemical biosensor for rapid and sensitive detection of prostate-specific antigen. <i>Biosensors and Bioelectronics</i> , 2008, 23, 1659-1665.	5.3	161
107	A Direct Route toward Assembly of Nanoparticle-Carbon Nanotube Composite Materials. <i>Langmuir</i> , 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. <i>Analytical Chemistry</i> , 1999, 71, 1485-1490.	3.2	156

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109	Recent Advances in Biosensors for Detecting Cancer-Derived Exosomes. <i>Trends in Biotechnology</i> , 2019, 37, 1236-1254.	4.9	155
110	Carbon nanotubes decorated with Pt nanoparticles via electrostatic self-assembly: a highly active oxygen reduction electrocatalyst. <i>Journal of Materials Chemistry</i> , 2010, 20, 2826.	6.7	153
111	Electrocatalytic reactivity for oxygen reduction of palladium-modified carbon nanotubes synthesized in supercritical fluid. <i>Electrochemistry Communications</i> , 2005, 7, 267-274.	2.3	152
112	Electrochemical stripping analysis of organophosphate pesticides and nerve agents. <i>Electrochemistry Communications</i> , 2005, 7, 339-343.	2.3	150
113	Metal-organic frameworks-based catalysts for electrochemical oxygen evolution. <i>Materials Horizons</i> , 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. <i>ACS Catalysis</i> , 2019, 9, 5929-5934.	5.5	149
115	Single-Channel Microchip for Fast Screening and Detailed Identification of Nitroaromatic Explosives or Organophosphate Nerve Agents. <i>Analytical Chemistry</i> , 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). <i>Analytica Chimica Acta</i> , 2004, 502, 207-212.	2.6	148
117	Graphene and graphene-like 2D materials for optical biosensing and bioimaging: a review. <i>2D Materials</i> , 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. <i>Environmental Science & Technology</i> , 1994, 28, 1190-1193.	4.6	145
119	Decorating catalytic palladium nanoparticles on carbon nanotubes in supercritical carbon dioxide. <i>Chemical Communications</i> , 2003, , 642-643.	2.2	145
120	A nanocomposite of carbon quantum dots and TiO ₂ nanotube arrays: enhancing photoelectrochemical and photocatalytic properties. <i>RSC Advances</i> , 2014, 4, 1120-1127.	1.7	145
121	Recent advances in emerging 2D nanomaterials for biosensing and bioimaging applications. <i>Materials Today</i> , 2018, 21, 164-177.	8.3	145
122	Smart polymers and nanocomposites for 3D and 4D printing. <i>Materials Today</i> , 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. <i>Biosensors and Bioelectronics</i> , 2010, 25, 1370-1375.	5.3	143
124	Single-atom catalysts boost signal amplification for biosensing. <i>Chemical Society Reviews</i> , 2021, 50, 750-765.	18.7	142
125	Nanoelectrode Arrays Based on Low Site Density Aligned Carbon Nanotubes. <i>Nano Letters</i> , 2003, 3, 107-109.	4.5	141
126	Extracellular Reduction of Hexavalent Chromium by Cytochromes MtrC and OmcA of <i>Shewanella oneidensis</i> MR-1. <i>Applied and Environmental Microbiology</i> , 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 Biomonitor. <i>Environmental Health Perspectives</i> , 2007, 115, 1683-1690.	2.8	139
128	Synthesis of graphene nanosheets via oxalic acid-induced chemical reduction of exfoliated graphite oxide. <i>RSC Advances</i> , 2012, 2, 1168-1173.	1.7	139
129	Highly Ordered Mesoporous Bimetallic Phosphides as Efficient Oxygen Evolution Electrocatalysts. <i>ACS Energy Letters</i> , 2016, 1, 792-796.	8.8	139
130	Supercritical Fluid Extraction of Lanthanides with Fluorinated .beta.-Diketones and Tributyl Phosphate. <i>Analytical Chemistry</i> , 1994, 66, 1971-1975.	3.2	138
131	Nanoparticle-Based Electrochemical Immunosensor for the Detection of Phosphorylated Acetylcholinesterase: An Exposure Biomarker of Organophosphate Pesticides and Nerve Agents. <i>Chemistry - A European Journal</i> , 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. <i>Biosensors and Bioelectronics</i> , 2018, 117, 75-83.	5.3	137
133	Design of graphene sheets-supported Pt catalyst layer in PEM fuel cells. <i>Electrochemistry Communications</i> , 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. <i>Analytica Chimica Acta</i> , 2012, 745, 99-105.	2.6	135
135	Ultrasensitive voltammetric detection of trace heavy metal ions using carbon nanotube nanoelectrode array. <i>Analyst</i> , 2005, 130, 1098.	1.7	134
136	Sensitive electrochemical detection of enzymatically generated thiocholine at carbon nanotube modified glassy carbon electrode. <i>Electrochemistry Communications</i> , 2005, 7, 1163-1169.	2.3	133
137	Facile synthesis of PtAu alloy nanoparticles with high activity for formic acid oxidation. <i>Journal of Power Sources</i> , 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. <i>Electrochemistry Communications</i> , 2005, 7, 166-172.	2.3	131
139	Nanomaterial-based electrochemical biosensors for food safety. <i>Journal of Electroanalytical Chemistry</i> , 2016, 781, 147-154.	1.9	131
140	Nanozyme-involved biomimetic cascade catalysis for biomedical applications. <i>Materials Today</i> , 2021, 44, 211-228.	8.3	131
141	Sensitive detection of <i>Escherichia coli</i> O157:H7 using Pt-Au bimetal nanoparticles with peroxidase-like amplification. <i>Biosensors and Bioelectronics</i> , 2016, 77, 687-694.	5.3	130
142	Nanovoid Incorporated Ir_xCu Metallic Aerogels for Oxygen Evolution Reaction Catalysis. <i>ACS Energy Letters</i> , 2018, 3, 2038-2044.	8.8	129
143	Magnetic Electrochemical Immunoassays with Quantum Dot Labels for Detection of Phosphorylated Acetylcholinesterase in Plasma. <i>Analytical Chemistry</i> , 2008, 80, 8477-8484.	3.2	128
144	Supercritical fluid extraction of uranium and thorium from nitric acid solutions with organophosphorus reagents. <i>Environmental Science & Technology</i> , 1995, 29, 2706-2708.	4.6	127

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145	Bioinspired Synthesis of All-Organic-Inorganic Hybrid Nanoflowers Combined with a Handheld pH Meter for On-Site Detection of Food Pathogen. <i>Small</i> , 2016, 12, 3094-3100.	5.2	127
146	3D graphene-based hybrid materials: synthesis and applications in energy storage and conversion. <i>Nanoscale</i> , 2016, 8, 15414-15447.	2.8	127
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