

Li Niu

List of Publications by Year in descending order

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255
papers

13,865
citations

17405

63
h-index

27345

106
g-index

257
all docs

257
docs citations

257
times ranked

17011
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphene/AuNPs/chitosan nanocomposites film for glucose biosensing. <i>Biosensors and Bioelectronics</i> , 2010, 25, 1070-1074.	5.3	733
2	Covalent functionalization of chemically converted graphene sheets via silane and its reinforcement. <i>Journal of Materials Chemistry</i> , 2009, 19, 4632.	6.7	711
3	Non-covalent doping of graphitic carbon nitride polymer with graphene: controlled electronic structure and enhanced optoelectronic conversion. <i>Energy and Environmental Science</i> , 2011, 4, 4517.	15.6	408
4	Flexible All-Solid-State Supercapacitors with High Volumetric Capacitances Boosted by Solution Processable MXene and Electrochemically Exfoliated Graphene. <i>Advanced Energy Materials</i> , 2017, 7, 1601847.	10.2	379
5	Convenient Recycling of 3D AgX/Graphene Aerogels (X = Br, Cl) for Efficient Photocatalytic Degradation of Water Pollutants. <i>Advanced Materials</i> , 2015, 27, 3767-3773.	11.1	344
6	Simultaneous Determination of Ascorbic Acid, Dopamine and Uric Acid with Chitosan-Graphene Modified Electrode. <i>Electroanalysis</i> , 2010, 22, 2001-2008.	1.5	329
7	Intercorrelated Superhybrid of AgBr Supported on Graphitic $C_{3N_{4}}$ -Decorated Nitrogen-Doped Graphene: High Engineering Photocatalytic Activities for Water Purification and CO_{2} Reduction. <i>Advanced Materials</i> , 2015, 27, 6906-6913.	11.1	298
8	Electrochemical determination of NADH and ethanol based on ionic liquid-functionalized graphene. <i>Biosensors and Bioelectronics</i> , 2010, 25, 1504-1508.	5.3	290
9	Wet chemical synthesis of nitrogen-doped graphene towards oxygen reduction electrocatalysts without high-temperature pyrolysis. <i>Journal of Materials Chemistry</i> , 2012, 22, 6575.	6.7	274
10	Efficient one-pot synthesis of molecularly imprinted silica nanospheres embedded carbon dots for fluorescent dopamine optosensing. <i>Biosensors and Bioelectronics</i> , 2012, 38, 55-60.	5.3	199
11	Label-free, electrochemical detection of methicillin-resistant staphylococcus aureus DNA with reduced graphene oxide-modified electrodes. <i>Biosensors and Bioelectronics</i> , 2011, 26, 3881-3886.	5.3	191
12	Convenient preparation of tunably loaded chemically converted graphene oxide/epoxy resin nanocomposites from graphene oxide sheets through two-phase extraction. <i>Journal of Materials Chemistry</i> , 2009, 19, 8856.	6.7	176
13	Growth Control of MoS_{2} Nanosheets on Carbon Cloth for Maximum Active Edges Exposed: An Excellent Hydrogen Evolution 3D Cathode. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 12193-12202.	4.0	176
14	In Situ Binding Sb Nanospheres on Graphene via Oxygen Bonds as Superior Anode for Ultrafast Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 7790-7799.	4.0	167
15	The synthesis of ionic-liquid-functionalized multiwalled carbon nanotubes decorated with highly dispersed Au nanoparticles and their use in oxygen reduction by electrocatalysis. <i>Carbon</i> , 2008, 46, 1687-1692.	5.4	166
16	Synthesis of Pt/ionic liquid/graphene nanocomposite and its simultaneous determination of ascorbic acid and dopamine. <i>Talanta</i> , 2010, 81, 1063-1068.	2.9	155
17	Regioregular Narrow-Bandgap n -Type Polymers with High Electron Mobility Enabling Highly Efficient All-Polymer Solar Cells. <i>Advanced Materials</i> , 2021, 33, e2102635.	11.1	151
18	Electrochemical Functionalization of Single-Walled Carbon Nanotubes in Large Quantities at a Room-Temperature Ionic Liquid Supported Three-Dimensional Network Electrode. <i>Langmuir</i> , 2005, 21, 4797-4800.	1.6	149

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19	Carbon nanotube/gold nanoparticles/polyethylenimine-functionalized ionic liquid thin film composites for glucose biosensing. <i>Biosensors and Bioelectronics</i> , 2008, 24, 945-950.	5.3	146
20	Design and Synthesis of Multifunctional Materials Based on an Ionic-Liquid Backbone. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 5867-5870.	7.2	144
21	The synthesis of perylene-coated graphene sheets decorated with Au nanoparticles and its electrocatalysis toward oxygen reduction. <i>Journal of Materials Chemistry</i> , 2009, 19, 4022.	6.7	143
22	Selective photocatalytic oxidation of methane by quantum-sized bismuth vanadate. <i>Nature Sustainability</i> , 2021, 4, 509-515.	11.5	135
23	Ultrathin g-C ₃ N ₄ /TiO ₂ composites as photoelectrochemical elements for the real-time evaluation of global antioxidant capacity. <i>Chemical Science</i> , 2014, 5, 3946-3951.	3.7	133
24	Hierarchical Nickel-Cobalt-Based Transition Metal Oxide Catalysts for the Electrochemical Conversion of Biomass into Valuable Chemicals. <i>ChemSusChem</i> , 2018, 11, 2547-2553.	3.6	130
25	Green synthesis of 12 nm gold nanoparticles stabilized by amine-terminated ionic liquid and their electrocatalytic activity in oxygen reduction. <i>Green Chemistry</i> , 2008, 10, 907.	4.6	125
26	Decorated graphene sheets for label-free DNA impedance biosensing. <i>Biomaterials</i> , 2012, 33, 1097-1106.	5.7	124
27	Hierarchical bi-continuous Pt decorated nanoporous Au-Sn alloy on carbon fiber paper for ascorbic acid, dopamine and uric acid simultaneous sensing. <i>Biosensors and Bioelectronics</i> , 2019, 124-125, 191-198.	5.3	121
28	Advanced Anode Materials of Potassium Ion Batteries: from Zero Dimension to Three Dimensions. <i>Nano-Micro Letters</i> , 2021, 13, 12.	14.4	121
29	Nanoengineering Construction of Cu ₂ O Nanowire Arrays Encapsulated with g-C ₃ N ₄ as 3D Spatial Reticulation All-Solid-State Direct Z-Scheme Photocatalysts for Photocatalytic Reduction of Carbon Dioxide. <i>ACS Catalysis</i> , 2020, 10, 6367-6376.	5.5	108
30	Hollow flower-like AuPd alloy nanoparticles: One step synthesis, self-assembly on ionic liquid-functionalized graphene, and electrooxidation of formic acid. <i>Journal of Materials Chemistry</i> , 2011, 21, 17922.	6.7	104
31	Achieving highly efficient all-polymer solar cells by green-solvent-processing under ambient atmosphere. <i>Energy and Environmental Science</i> , 0, , .	15.6	102
32	Green-synthesized gold nanoparticles decorated graphene sheets for label-free electrochemical impedance DNA hybridization biosensing. <i>Biosensors and Bioelectronics</i> , 2011, 26, 4355-4361.	5.3	100
33	Graphene Oxide-Templated Polyaniline Microsheets toward Simultaneous Electrochemical Determination of AA/DA/UA. <i>Electroanalysis</i> , 2011, 23, 878-884.	1.5	100
34	Preparation of Highly Conductive, Self-Assembled Gold/Polyaniline Nanocables and Polyaniline Nanotubes. <i>Chemistry - A European Journal</i> , 2006, 12, 5314-5319.	1.7	97
35	MoS ₂ /ZnO-Heterostructures-Based Label-Free, Visible-Light-Excited Photoelectrochemical Sensor for Sensitive and Selective Determination of Synthetic Antioxidant Propyl Gallate. <i>Analytical Chemistry</i> , 2019, 91, 10657-10662.	3.2	97
36	Novel blue light emitting graphene oxide nanosheets fabricated by surface functionalization. <i>Journal of Materials Chemistry</i> , 2012, 22, 2929-2934.	6.7	94

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37	Simple and rapid voltammetric determination of morphine at electrochemically pretreated glassy carbon electrodes. <i>Talanta</i> , 2009, 79, 845-850.	2.9	93
38	High-yield fabrication of Ti_3C_2Tx MXene quantum dots and their electrochemiluminescence behavior. <i>Nanoscale</i> , 2018, 10, 14000-14004.	2.8	93
39	Self-assembled large-area $Co(OH)_2$ nanosheets/ionic liquid modified graphene heterostructures toward enhanced energy storage. <i>Journal of Materials Chemistry</i> , 2012, 22, 3404.	6.7	88
40	Electrochemical determination of morphine at ordered mesoporous carbon modified glassy carbon electrode. <i>Biosensors and Bioelectronics</i> , 2010, 25, 1408-1413.	5.3	87
41	A multichannel electrochemical all-solid-state wearable potentiometric sensor for real-time sweat ion monitoring. <i>Electrochemistry Communications</i> , 2019, 107, 106553.	2.3	86
42	Exploration in materials, electrolytes and performance towards metal ion (Li, Na, K, Zn and Mg)-based hybrid capacitors: A review. <i>Nano Energy</i> , 2021, 86, 106070.	8.2	85
43	Ferrocene functionalized graphene: preparation, characterization and efficient electron transfer toward sensors of H_2O_2 . <i>Journal of Materials Chemistry</i> , 2012, 22, 6165.	6.7	84
44	Co_3O_4 nanostructures on flexible carbon cloth for crystal plane effect of nonenzymatic electrocatalysis for glucose. <i>Biosensors and Bioelectronics</i> , 2019, 123, 25-29.	5.3	84
45	Single-Molecule Conductance of Viologen-Cucurbit[8]uril Host-Guest Complexes. <i>ACS Nano</i> , 2016, 10, 5212-5220.	7.3	82
46	Immobilization of ionic liquid with polyelectrolyte as carrier. <i>Chemical Communications</i> , 2005, , 4193.	2.2	81
47	Functionalization of graphene with electrodeposited Prussian blue towards amperometric sensing application. <i>Talanta</i> , 2011, 85, 76-81.	2.9	81
48	Electropolymerization and catalysis of well-dispersed polyaniline/carbon nanotube/gold composite. <i>Journal of Electroanalytical Chemistry</i> , 2007, 599, 121-126.	1.9	79
49	A distinctive red $Ag/AgCl$ photocatalyst with efficient photocatalytic oxidative and reductive activities. <i>Journal of Materials Chemistry A</i> , 2014, 2, 5280-5286.	5.2	78
50	High Capacity and Fast Kinetics of Potassium-Ion Batteries Boosted by Nitrogen-Doped Mesoporous Carbon Spheres. <i>Nano-Micro Letters</i> , 2021, 13, 174.	14.4	77
51	Compactly Coupled Nitrogen-Doped Carbon Nanosheets/Molybdenum Phosphide Nanocrystal Hollow Nanospheres as Polysulfide Reservoirs for High-Performance Lithium-Sulfur Chemistry. <i>Small</i> , 2019, 15, e1902491.	5.2	74
52	Construction of Bimetallic Selenides Encapsulated in Nitrogen/Sulfur Co-Doped Hollow Carbon Nanospheres for High-Performance Sodium/Potassium-Ion Half/Full Batteries. <i>Small</i> , 2020, 16, e1907670.	5.2	74
53	Solid-Contact Ion-Selective Electrodes: Response Mechanisms, Transducer Materials and Wearable Sensors. <i>Membranes</i> , 2020, 10, 128.	1.4	73
54	Effect of permafrost degradation on hydrological processes in typical basins with various permafrost coverage in Western China. <i>Science China Earth Sciences</i> , 2011, 54, 615-624.	2.3	71

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55	Bioinspired Microstructured Pressure Sensor Based on a Janus Graphene Film for Monitoring Vital Signs and Cardiovascular Assessment. <i>Advanced Electronic Materials</i> , 2018, 4, 1800252.	2.6	71
56	Highly selective aerobic oxidation of methane to methanol over gold decorated zinc oxide via photocatalysis. <i>Journal of Materials Chemistry A</i> , 2020, 8, 13277-13284.	5.2	71
57	MXenes: Advanced materials in potassium ion batteries. <i>Chemical Engineering Journal</i> , 2021, 404, 126565.	6.6	71
58	Engineered Photoelectrochemical Platform for Rational Global Antioxidant Capacity Evaluation Based on Ultrasensitive Sulfonated Graphene-TiO ₂ Nanohybrid. <i>Analytical Chemistry</i> , 2014, 86, 10171-10178.	3.2	69
59	Biomolecule-Free, Selective Detection of o-Diphenol and Its Derivatives with WS ₂ /TiO ₂ -Based Photoelectrochemical Platform. <i>Analytical Chemistry</i> , 2015, 87, 4844-4850.	3.2	67
60	Monolithically integrated CoP nanowire array: An on/off switch for effective on-demand hydrogen generation via hydrolysis of NaBH ₄ and NH ₃ BH ₃ . <i>Nano Research</i> , 2017, 10, 595-604.	5.8	67
61	Spontaneous and Fast Growth of Large-Area Graphene Nanofilms Facilitated by Oil/Water Interfaces. <i>Advanced Materials</i> , 2012, 24, 3958-3964.	11.1	66
62	Facile synthesis of reduced graphene oxide-porous silicon composite as superior anode material for lithium-ion battery anodes. <i>Journal of Power Sources</i> , 2016, 315, 9-15.	4.0	66
63	Recent advances in potassium-ion hybrid capacitors: Electrode materials, storage mechanisms and performance evaluation. <i>Energy Storage Materials</i> , 2021, 41, 108-132.	9.5	66
64	A novel method to decorate Au clusters onto graphene via a mild co-reduction process for ultrahigh catalytic activity. <i>Journal of Materials Chemistry A</i> , 2017, 5, 230-239.	5.2	65
65	Perylenetetracarboxylic acid and carbon quantum dots assembled synergistic electrochemiluminescence nanomaterial for ultra-sensitive carcinoembryonic antigen detection. <i>Biosensors and Bioelectronics</i> , 2018, 103, 6-11.	5.3	64
66	Effective Solid Contact for Ion-Selective Electrodes: Tetrakis(4-chlorophenyl)borate (TB ⁻) Anions Doped Nanocluster Films. <i>Analytical Chemistry</i> , 2012, 84, 3480-3483.	3.2	62
67	A carbon-based photocatalyst efficiently converts CO ₂ to CH ₄ and C ₂ H ₂ under visible light. <i>Green Chemistry</i> , 2014, 16, 2142-2146.	4.6	61
68	Skin-Inspired Hair-Epidermis-Dermis Hierarchical Structures for Electronic Skin Sensors with High Sensitivity over a Wide Linear Range. <i>ACS Nano</i> , 2021, 15, 16218-16227.	7.3	61
69	Reinforcement of silica with single-walled carbon nanotubes through covalent functionalization. <i>Journal of Materials Chemistry</i> , 2006, 16, 4592.	6.7	60
70	Electrochemically Driven Surface-Confined Acid/Base Reaction for an Ultrafast H ⁺ Supercapacitor. <i>Journal of the American Chemical Society</i> , 2016, 138, 1490-1493.	6.6	60
71	Breathable and Skin-Mountable Strain Sensor with Tunable Stretchability, Sensitivity, and Linearity via Surface Strain Delocalization for Versatile Skin Activities™ Recognition. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 42826-42836.	4.0	60
72	Direct electron transfer of horseradish peroxidase and its electrocatalysis based on carbon nanotube/thionine/gold composites. <i>Electrochemistry Communications</i> , 2008, 10, 306-310.	2.3	59

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73	Over 16% efficiency all-polymer solar cells by sequential deposition. <i>Science China Chemistry</i> , 2022, 65, 1157-1163.	4.2	58
74	A new route to tailor high mass loading all-solid-state supercapacitor with ultra-high volumetric energy density. <i>Carbon</i> , 2018, 136, 46-53.	5.4	57
75	CdS/TiO ₂ Nanocomposite-Based Photoelectrochemical Sensor for a Sensitive Determination of Nitrite in Principle of Etching Reaction. <i>Analytical Chemistry</i> , 2021, 93, 820-827.	3.2	57
76	Structure and electronic properties of C ₂ N/graphene predicted by first-principles calculations. <i>RSC Advances</i> , 2016, 6, 28484-28488.	1.7	56
77	Morphology of electrodeposited poly(3,4-ethylenedioxythiophene)/poly(4-styrene sulfonate) films. <i>Journal of Electroanalytical Chemistry</i> , 2007, 602, 24-28.	1.9	55
78	Size-controllable synthesis of ultrafine PtNi nanoparticles uniformly deposited on reduced graphene oxide as advanced anode catalysts for methanol oxidation. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 9303-9311.	3.8	55
79	Flexible solid state lithium batteries based on graphene inks. <i>Journal of Materials Chemistry</i> , 2011, 21, 9762.	6.7	52
80	Grafting Benzenediazonium Tetrafluoroborate onto LiNi _x Co _y Mn _z O ₂ Materials Achieves Subzero-°C Temperature High-Capacity Lithium-Ion Storage via a Diazonium Soft-Chemistry Method. <i>Advanced Energy Materials</i> , 2019, 9, 1802946.	10.2	50
81	Highly Stretchable Fiber-Based Potentiometric Ion Sensors for Multichannel Real-Time Analysis of Human Sweat. <i>ACS Sensors</i> , 2020, 5, 2834-2842.	4.0	50
82	Aggregation-induced delayed fluorescence luminogens: the innovation of purely organic emitters for aqueous electrochemiluminescence. <i>Chemical Science</i> , 2021, 12, 13283-13291.	3.7	47
83	Oxidized titanium carbide MXene-enabled photoelectrochemical sensor for quantifying synergistic interaction of ascorbic acid based antioxidants system. <i>Biosensors and Bioelectronics</i> , 2021, 177, 112978.	5.3	46
84	High performance Pd nanocrystals supported on SnO ₂ -decorated graphene for aromatic nitro compound reduction. <i>Journal of Materials Chemistry A</i> , 2014, 2, 3461-3467.	5.2	45
85	Photoelectrochemical device based on Mo-doped BiVO ₄ enables smart analysis of the global antioxidant capacity in food. <i>Chemical Science</i> , 2015, 6, 6632-6638.	3.7	45
86	Carbon Hollow Tube-Confined Sb/Sb ₂ S ₃ Nanorod Fragments as Highly Stable Anodes for Potassium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 51066-51077.	4.0	44
87	Amorphous Cobalt Boride Nanosheets Directly Grown on Nickel Foam: Controllable Alternately Dipping Deposition for Efficient Oxygen Evolution. <i>ChemElectroChem</i> , 2019, 6, 3684-3689.	1.7	43
88	Enhanced Peroxidase-Like Properties of Graphene-Hemin Composite Decorated with Au Nanoflowers as Electrochemical Aptamer Biosensor for the Detection of K562 Leukemia Cancer Cells. <i>Chemistry - A European Journal</i> , 2016, 22, 18001-18008.	1.7	42
89	A nanocomposite prepared from magnetite nanoparticles, polyaniline and carboxy-modified graphene oxide for non-enzymatic sensing of glucose. <i>Mikrochimica Acta</i> , 2019, 186, 267.	2.5	42
90	Controlled/living-radical polymerization-based signal amplification strategies for biosensing. <i>Journal of Materials Chemistry B</i> , 2020, 8, 3327-3340.	2.9	42

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91	Micelle-assisted synthesis of polyaniline/magnetite nanorods by in situ self-assembly process. <i>Journal of Colloid and Interface Science</i> , 2008, 320, 341-345.	5.0	41
92	Using sp ² -C dominant porous carbon sub-micrometer spheres as solid transducers in ion-selective electrodes. <i>Electrochemistry Communications</i> , 2015, 50, 60-63.	2.3	40
93	Electrochemically Controlled ATRP for Cleavage-Based Electrochemical Detection of the Prostate-Specific Antigen at Femtomolar Level Concentrations. <i>Analytical Chemistry</i> , 2020, 92, 15982-15988.	3.2	40
94	Lattice Proton Intercalation to Regulate WO ₃ -Based Solid-Contact Wearable pH Sensor for Sweat Analysis. <i>Advanced Functional Materials</i> , 2022, 32, 2107653.	7.8	40
95	Electrochemically Controlled RAFT Polymerization for Highly Sensitive Electrochemical Biosensing of Protein Kinase Activity. <i>Analytical Chemistry</i> , 2019, 91, 1936-1943.	3.2	39
96	Rationally designed nitrogen-doped yolk-shell Fe ₇ Se ₈ /Carbon nanoboxes with enhanced sodium storage in half/full cells. <i>Carbon</i> , 2020, 166, 175-182.	5.4	39
97	Superhydrophobic Functionalized Ti ₃ C ₂ T _x MXene-Based Skin-Attachable and Wearable Electrochemical pH Sensor for Real-Time Sweat Detection. <i>Analytical Chemistry</i> , 2022, 94, 7319-7328.	3.2	39
98	Electrochemical Detection of Methimazole by Capillary Electrophoresis at a Carbon Fiber Microdisk Electrode. <i>Electroanalysis</i> , 2005, 17, 1675-1680.	1.5	38
99	The fluorescence detection of glutathione by $\cdot\text{OH}$ radicals elimination with catalyst of MoS ₂ /rGO under full spectrum visible light irradiation. <i>Talanta</i> , 2015, 144, 551-558.	2.9	38
100	Simple azo derivatization on 4-aminothiophenol/Au monolayer. <i>Electrochemistry Communications</i> , 2005, 7, 219-222.	2.3	37
101	A new strategy for integrating superior mechanical performance and high volumetric energy density into a Janus graphene film for wearable solid-state supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 20797-20807.	5.2	37
102	pH-switched luminescence and sensing properties of a carbon dot-polyaniline composite. <i>RSC Advances</i> , 2013, 3, 5475.	1.7	36
103	Hierarchical architecture of polyaniline nanoneedle arrays on electrochemically exfoliated graphene for supercapacitors and sodium batteries cathode. <i>Materials and Design</i> , 2020, 188, 108440.	3.3	36
104	Tailoring heterostructured Bi ₂ MoO ₆ /Bi ₂ S ₃ nanobelts for highly selective photoelectrochemical analysis of gallic acid at drug level. <i>Biosensors and Bioelectronics</i> , 2017, 94, 107-114.	5.3	35
105	New ionic liquid crystals based on azobenzene moiety with two symmetric imidazolium ion group substituents. <i>Liquid Crystals</i> , 2008, 35, 1299-1305.	0.9	34
106	Large scale load of phosphotungstic acid on multiwalled carbon nanotubes with a grafted poly(4-vinylpyridine) linker. <i>Electrochimica Acta</i> , 2011, 56, 10069-10076.	2.6	34
107	Surface-Initiated-Reversible-Addition-Fragmentation-Chain-Transfer Polymerization for Electrochemical DNA Biosensing. <i>Analytical Chemistry</i> , 2018, 90, 12207-12213.	3.2	34
108	Ag supported Z-scheme WO _{2.9} /g-C ₃ N ₄ composite photocatalyst for photocatalytic degradation under visible light. <i>Applied Surface Science</i> , 2020, 501, 144258.	3.1	33

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109	Amplified Electrochemical Biosensing of Thrombin Activity by RAFT Polymerization. <i>Analytical Chemistry</i> , 2020, 92, 3470-3476.	3.2	33
110	Polyelectrolyte-functionalized ionic liquid for electrochemistry in supporting electrolyte-free aqueous solutions and application in amperometric flow injection analysis. <i>Green Chemistry</i> , 2007, 9, 746.	4.6	32
111	Functionalized Graphene Oxide Bridging between Enzyme and Au-Sputtered Screen-Printed Interface for Glucose Detection. <i>ACS Applied Nano Materials</i> , 2019, 2, 1589-1596.	2.4	32
112	Electrochemical DNA Biosensing via Electrochemically Controlled Reversible Addition–Fragmentation Chain Transfer Polymerization. <i>ACS Sensors</i> , 2019, 4, 235-241.	4.0	32
113	Single-atom catalysts supported on ordered porous materials: Synthetic strategies and applications. <i>Information Materials</i> , 2022, 4, .	8.5	32
114	Oxygen Containing Functional Groups Dominate the Electrochemiluminescence of Pristine Carbon Dots. <i>Journal of Physical Chemistry C</i> , 2017, 121, 27546-27554.	1.5	31
115	Electrochemical exfoliation of graphene as an anode material for ultra-long cycle lithium ion batteries. <i>Journal of Physics and Chemistry of Solids</i> , 2020, 139, 109301.	1.9	31
116	Ce-/S-codoped TiO ₂ /Sulfonated graphene for photocatalytic degradation of organic dyes. <i>Journal of Materials Chemistry A</i> , 2014, 2, 13565-13570.	5.2	30
117	High-strength and pH-responsive self-healing polyvinyl alcohol/poly 6-acrylamidohexanoic acid hydrogel based on dual physically cross-linked network. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 571, 64-71.	2.3	30
118	In situ electrochemical SERS studies on electrodeposition of aniline on 4-ATP/Au surface. <i>Journal of Solid State Electrochemistry</i> , 2006, 10, 886-893.	1.2	29
119	Electrostatic layer-by-layer assembly of platinum-loaded multiwall carbon nanotube multilayer: A tunable catalyst film for anodic methanol oxidation. <i>Thin Solid Films</i> , 2008, 516, 6531-6535.	0.8	29
120	Synthesis and characterisation of novel imidazolium-based ionic liquid crystals with a nitroazobenzene moiety. <i>Liquid Crystals</i> , 2008, 35, 765-772.	0.9	29
121	Uniform Pt catalysts supported on carbon nanotubes prepared with assistance from phosphomolybdic acid, and their enhanced performance in the oxidation of methanol. <i>Journal of Materials Chemistry</i> , 2012, 22, 19658.	6.7	29
122	Simple and Efficient Synthesis of Gold Nanoclusters and Their Performance as Solid Contact of Ion Selective Electrode. <i>Electrochimica Acta</i> , 2016, 222, 1007-1012.	2.6	29
123	In situ formation and growth of Prussian blue nanoparticles anchored to multiwalled carbon nanotubes with poly(4-vinylpyridine) linker by layer-by-layer assembly. <i>Materials Chemistry and Physics</i> , 2012, 133, 726-734.	2.0	28
124	Graphene-Based Nanohybrids for Advanced Electrochemical Sensing. <i>Electroanalysis</i> , 2015, 27, 2098-2115.	1.5	28
125	Enhanced response induced by polyelectrolyte-functionalized ionic liquid in glucose biosensor based on sol-gel organic-inorganic hybrid material. <i>Journal of Electroanalytical Chemistry</i> , 2007, 608, 78-83.	1.9	27
126	Sub-stoichiometric WO _{2.9} for formaldehyde sensing and treatment: a first-principles study. <i>Journal of Materials Chemistry A</i> , 2016, 4, 14416-14422.	5.2	27

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127	Regulations of silver halide nanostructure and composites on photocatalysis. <i>Advanced Composites and Hybrid Materials</i> , 2018, 1, 269-299.	9.9	27
128	Ultralong cycle life and high rate potassium ion batteries enabled by multi-level porous carbon. <i>Journal of Power Sources</i> , 2021, 492, 229614.	4.0	27
129	Mesoporous N-doped carbon-coated CoSe nanocrystals encapsulated in S-doped carbon nanosheets as advanced anode with ultrathin solid electrolyte interphase for high-performance sodium-ion half/full batteries. <i>Journal of Materials Chemistry A</i> , 2022, 10, 2113-2121.	5.2	27
130	Interface for Online Coupling of Surface Plasmon Resonance to Direct Analysis in Real Time Mass Spectrometry. <i>Analytical Chemistry</i> , 2015, 87, 6505-6509.	3.2	26
131	DNA-spheres decorated with magnetic nanocomposites based on terminal transfer reactions for versatile target detection and cellular targeted drug delivery. <i>Chemical Communications</i> , 2017, 53, 4826-4829.	2.2	26
132	An advanced lithium ion battery based on a high quality graphitic graphene anode and a Li[Ni _{0.6} Co _{0.2} Mn _{0.2}]O ₂ cathode. <i>Electrochimica Acta</i> , 2018, 259, 48-55.	2.6	25
133	Molecularly imprinted photo-electrochemical sensor for hemoglobin detection based on titanium dioxide nanotube arrays loaded with CdS quantum dots. <i>Talanta</i> , 2021, 224, 121924.	2.9	25
134	Carbon Nitride Quantum Dots Enhancing the Anodic Electrochemiluminescence of Ruthenium(II) Tris(2,2'-bipyridyl) via Inhibiting the Oxygen Evolution Reaction. <i>Analytical Chemistry</i> , 2020, 92, 15352-15360.	3.2	24
135	Two-dimensional N/O co-doped porous turbostratic carbon nanomeshes with expanded interlayer spacing as host material for potassium/lithium half/full batteries. <i>Journal of Materials Chemistry A</i> , 2021, 9, 25094-25103.	5.2	24
136	Potassium storage in bismuth nanoparticles embedded in N-doped porous carbon facilitated by ether-based electrolyte. <i>Chemical Engineering Journal</i> , 2022, 446, 137329.	6.6	24
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