

Li Niu

List of Publications by Year in descending order

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255
papers

13,865
citations

17440

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27406

106
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257
all docs

257
docs citations

257
times ranked

17011
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphene/AuNPs/chitosan nanocomposites film for glucose biosensing. Biosensors and Bioelectronics, 2010, 25, 1070-1074.	10.1	733
2	Covalent functionalization of chemically converted graphene sheets via silane and its reinforcement. Journal of Materials Chemistry, 2009, 19, 4632.	6.7	711
3	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
4	Flexible All-Solid-State Supercapacitors with High Volumetric Capacitances Boosted by Solution Processable MXene and Electrochemically Exfoliated Graphene. Advanced Energy Materials, 2017, 7, 1601847.	19.5	379
5	Convenient Recycling of 3D AgX/Graphene Aerogels (X = Br, Cl) for Efficient Photocatalytic Degradation of Water Pollutants. Advanced Materials, 2015, 27, 3767-3773.	21.0	344
6	Simultaneous Determination of Ascorbic Acid, Dopamine and Uric Acid with Chitosan-Graphene Modified Electrode. Electroanalysis, 2010, 22, 2001-2008.	2.9	329
7	Intercorrelated Superhybrid of AgBr Supported on Graphitic C ₃ N ₄ -Decorated Nitrogen-Doped Graphene: High Engineering Photocatalytic Activities for Water Purification and CO ₂ Reduction. Advanced Materials, 2015, 27, 6906-6913.	21.0	298
8	Electrochemical determination of NADH and ethanol based on ionic liquid-functionalized graphene. Biosensors and Bioelectronics, 2010, 25, 1504-1508.	10.1	290
9	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
10	Efficient one-pot synthesis of molecularly imprinted silica nanospheres embedded carbon dots for fluorescent dopamine optosensing. Biosensors and Bioelectronics, 2012, 38, 55-60.	10.1	199
11	Label-free, electrochemical detection of methicillin-resistant staphylococcus aureus DNA with reduced graphene oxide-modified electrodes. Biosensors and Bioelectronics, 2011, 26, 3881-3886.	10.1	191
12	Convenient preparation of tunably loaded chemically converted graphene oxide/epoxy resin nanocomposites from graphene oxide sheets through two-phase extraction. Journal of Materials Chemistry, 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. ACS Applied Materials & Interfaces, 2015, 7, 12193-12202.	8.0	176
14	In Situ Binding Sb Nanospheres on Graphene via Oxygen Bonds as Superior Anode for Ultrafast Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2016, 8, 7790-7799.	8.0	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. Carbon, 2008, 46, 1687-1692.	10.3	166
16	Synthesis of Pt/ionic liquid/graphene nanocomposite and its simultaneous determination of ascorbic acid and dopamine. Talanta, 2010, 81, 1063-1068.	5.5	155
17	Regioregular Narrow-Bandgap n-Type Polymers with High Electron Mobility Enabling Highly Efficient All-Polymer Solar Cells. Advanced Materials, 2021, 33, e2102635.	21.0	151
18	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

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19	Carbon nanotube/gold nanoparticles/polyethylenimine-functionalized ionic liquid thin film composites for glucose biosensing. Biosensors and Bioelectronics, 2008, 24, 945-950.	10.1	146
20	Design and Synthesis of Multifunctional Materials Based on an Ionic-Liquid Backbone. Angewandte Chemie - International Edition, 2006, 45, 5867-5870.	13.8	144
21	The synthesis of perylene-coated graphene sheets decorated with Au nanoparticles and its electrocatalysis toward oxygen reduction. Journal of Materials Chemistry, 2009, 19, 4022.	6.7	143
22	Selective photocatalytic oxidation of methane by quantum-sized bismuth vanadate. Nature Sustainability, 2021, 4, 509-515.	23.7	135
23	Ultrathin g-C ₃ N ₄ /TiO ₂ composites as photoelectrochemical elements for the real-time evaluation of global antioxidant capacity. Chemical Science, 2014, 5, 3946-3951.	7.4	133
24	Hierarchical Nickel-Cobalt-Based Transition Metal Oxide Catalysts for the Electrochemical Conversion of Biomass into Valuable Chemicals. ChemSusChem, 2018, 11, 2547-2553.	6.8	130
25	Green synthesis of 12 nm gold nanoparticles stabilized by amine-terminated ionic liquid and their electrocatalytic activity in oxygen reduction. Green Chemistry, 2008, 10, 907.	9.0	125
26	Decorated graphene sheets for label-free DNA impedance biosensing. Biomaterials, 2012, 33, 1097-1106.	11.4	124
27	Hierarchical bi-continuous Pt decorated nanoporous Au-Sn alloy on carbon fiber paper for ascorbic acid, dopamine and uric acid simultaneous sensing. Biosensors and Bioelectronics, 2019, 124-125, 191-198.	10.1	121
28	Advanced Anode Materials of Potassium Ion Batteries: from Zero Dimension to Three Dimensions. Nano-Micro Letters, 2021, 13, 12.	27.0	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. ACS Catalysis, 2020, 10, 6367-6376.	11.2	108
30	Hollow flower-like AuPd alloy nanoparticles: One step synthesis, self-assembly on ionic liquid-functionalized graphene, and electrooxidation of formic acid. Journal of Materials Chemistry, 2011, 21, 17922.	6.7	104
31	Achieving highly efficient all-polymer solar cells by green-solvent-processing under ambient atmosphere. Energy and Environmental Science, 0, , .	30.8	102
32	Green-synthesized gold nanoparticles decorated graphene sheets for label-free electrochemical impedance DNA hybridization biosensing. Biosensors and Bioelectronics, 2011, 26, 4355-4361.	10.1	100
33	Graphene Oxide-Templated Polyaniline Microsheets toward Simultaneous Electrochemical Determination of AA/DA/UA. Electroanalysis, 2011, 23, 878-884.	2.9	100
34	Preparation of Highly Conductive, Self-Assembled Gold/Polyaniline Nanocables and Polyaniline Nanotubes. Chemistry - A European Journal, 2006, 12, 5314-5319.	3.3	97
35	MoS ₂ /ZnO-Heterostructures-Based Label-Free, Visible-Light-Excited Photoelectrochemical Sensor for Sensitive and Selective Determination of Synthetic Antioxidant Propyl Gallate. Analytical Chemistry, 2019, 91, 10657-10662.	6.5	97
36	Novel blue light emitting graphene oxide nanosheets fabricated by surface functionalization. Journal of Materials Chemistry, 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.	5.5	93
38	High-yield fabrication of $\text{Ti}_3\text{C}_2\text{Tx}$ MXene quantum dots and their electrochemiluminescence behavior. <i>Nanoscale</i> , 2018, 10, 14000-14004.	5.6	93
39	Self-assembled large-area $\text{Co}(\text{OH})_2$ 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.	10.1	87
41	A multichannel electrochemical all-solid-state wearable potentiometric sensor for real-time sweat ion monitoring. <i>Electrochemistry Communications</i> , 2019, 107, 106553.	4.7	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.	16.0	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.	10.1	84
45	Single-Molecule Conductance of Viologen- Cucurbit[8]uril Host-Guest Complexes. <i>ACS Nano</i> , 2016, 10, 5212-5220.	14.6	82
46	Immobilization of ionic liquid with polyelectrolyte as carrier. <i>Chemical Communications</i> , 2005, , 4193.	4.1	81
47	Functionalization of graphene with electrodeposited Prussian blue towards amperometric sensing application. <i>Talanta</i> , 2011, 85, 76-81.	5.5	81
48	Electropolymerization and catalysis of well-dispersed polyaniline/carbon nanotube/gold composite. <i>Journal of Electroanalytical Chemistry</i> , 2007, 599, 121-126.	3.8	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.	10.3	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.	27.0	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.	10.0	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.	10.0	74
53	Solid-Contact Ion-Selective Electrodes: Response Mechanisms, Transducer Materials and Wearable Sensors. <i>Membranes</i> , 2020, 10, 128.	3.0	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.	5.2	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.	5.1	71
56	Highly selective aerobic oxidation of methane to methanol over gold decorated zinc oxide <i>via</i> photocatalysis. <i>Journal of Materials Chemistry A</i> , 2020, 8, 13277-13284.	10.3	71
57	MXenes: Advanced materials in potassium ion batteries. <i>Chemical Engineering Journal</i> , 2021, 404, 126565.	12.7	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.	6.5	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.	6.5	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.	10.4	67
61	Spontaneous and Fast Growth of Large-Area Graphene Nanofilms Facilitated by Oil/Water Interfaces. <i>Advanced Materials</i> , 2012, 24, 3958-3964.	21.0	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.	7.8	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.	18.0	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.	10.3	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.	10.1	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.	6.5	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.	9.0	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.	14.6	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.	13.7	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.	8.0	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.	4.7	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.	8.2	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.	10.3	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.	6.5	57
76	Structure and electronic properties of C ₂ N/graphene predicted by first-principles calculations. <i>RSC Advances</i> , 2016, 6, 28484-28488.	3.6	56
77	Morphology of electrodeposited poly(3,4-ethylenedioxythiophene)/poly(4-styrene sulfonate) films. <i>Journal of Electroanalytical Chemistry</i> , 2007, 602, 24-28.	3.8	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.	7.1	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-Temperature High-Capacity Lithium-Ion Storage via a Diazonium Soft-Chemistry Method. <i>Advanced Energy Materials</i> , 2019, 9, 1802946.	19.5	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.	7.8	50
82	Aggregation-induced delayed fluorescence luminogens: the innovation of purely organic emitters for aqueous electrochemiluminescence. <i>Chemical Science</i> , 2021, 12, 13283-13291.	7.4	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.	10.1	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.	10.3	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.	7.4	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.	8.0	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.	3.4	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.	3.3	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.	5.0	42
90	Controlled/living-radical polymerization-based signal amplification strategies for biosensing. <i>Journal of Materials Chemistry B</i> , 2020, 8, 3327-3340.	5.8	42

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91	Micelle-assisted synthesis of polyaniline/magnetite nanorods by in situ self-assembly process. Journal of Colloid and Interface Science, 2008, 320, 341-345.	9.4	41
92	Using sp ² -C dominant porous carbon sub-micrometer spheres as solid transducers in ion-selective electrodes. Electrochemistry Communications, 2015, 50, 60-63.	4.7	40
93	Electrochemically Controlled ATRP for Cleavage-Based Electrochemical Detection of the Prostate-Specific Antigen at Femtomolar Level Concentrations. Analytical Chemistry, 2020, 92, 15982-15988.	6.5	40
94	Lattice Proton Intercalation to Regulate WO ₃ -Based Solid-Contact Wearable pH Sensor for Sweat Analysis. Advanced Functional Materials, 2022, 32, 2107653.	14.9	40
95	Electrochemically Controlled RAFT Polymerization for Highly Sensitive Electrochemical Biosensing of Protein Kinase Activity. Analytical Chemistry, 2019, 91, 1936-1943.	6.5	39
96	Rationally designed nitrogen-doped yolk-shell Fe ₇ Se ₈ /Carbon nanoboxes with enhanced sodium storage in half/full cells. Carbon, 2020, 166, 175-182.	10.3	39
97	Superhydrophobic Functionalized Ti ₃ C ₂ T _x MXene-Based Skin-Attachable and Wearable Electrochemical pH Sensor for Real-Time Sweat Detection. Analytical Chemistry, 2022, 94, 7319-7328.	6.5	39
98	Electrochemical Detection of Methimazole by Capillary Electrophoresis at a Carbon Fiber Microdisk Electrode. Electroanalysis, 2005, 17, 1675-1680.	2.9	38
99	The fluorescence detection of glutathione by [•] OH radicals elimination with catalyst of MoS ₂ /rGO under full spectrum visible light irradiation. Talanta, 2015, 144, 551-558.	5.5	38
100	Simple azo derivatization on 4-aminothiophenol/Au monolayer. Electrochemistry Communications, 2005, 7, 219-222.	4.7	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. Journal of Materials Chemistry A, 2017, 5, 20797-20807.	10.3	37
102	pH-switched luminescence and sensing properties of a carbon dot-polyaniline composite. RSC Advances, 2013, 3, 5475.	3.6	36
103	Hierarchical architecture of polyaniline nanoneedle arrays on electrochemically exfoliated graphene for supercapacitors and sodium batteries cathode. Materials and Design, 2020, 188, 108440.	7.0	36
104	Tailoring heterostructured Bi ₂ MoO ₆ /Bi ₂ S ₃ nanobelts for highly selective photoelectrochemical analysis of gallic acid at drug level. Biosensors and Bioelectronics, 2017, 94, 107-114.	10.1	35
105	New ionic liquid crystals based on azobenzene moiety with two symmetric imidazolium ion group substituents. Liquid Crystals, 2008, 35, 1299-1305.	2.2	34
106	Large scale load of phosphotungstic acid on multiwalled carbon nanotubes with a grafted poly(4-vinylpyridine) linker. Electrochimica Acta, 2011, 56, 10069-10076.	5.2	34
107	Surface-Initiated-Reversible-Addition-Fragmentation-Chain-Transfer Polymerization for Electrochemical DNA Biosensing. Analytical Chemistry, 2018, 90, 12207-12213.	6.5	34
108	Ag supported Z-scheme WO _{2.9} /g-C ₃ N ₄ composite photocatalyst for photocatalytic degradation under visible light. Applied Surface Science, 2020, 501, 144258.	6.1	33

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109	Amplified Electrochemical Biosensing of Thrombin Activity by RAFT Polymerization. <i>Analytical Chemistry</i> , 2020, 92, 3470-3476.	6.5	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.	9.0	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.	5.0	32
112	Electrochemical DNA Biosensing via Electrochemically Controlled Reversible Addition–Fragmentation Chain Transfer Polymerization. <i>ACS Sensors</i> , 2019, 4, 235-241.	7.8	32
113	Single-atom catalysts supported on ordered porous materials: Synthetic strategies and applications. <i>Informa Mater</i> , 2022, 4, .	17.3	32
114	Oxygen Containing Functional Groups Dominate the Electrochemiluminescence of Pristine Carbon Dots. <i>Journal of Physical Chemistry C</i> , 2017, 121, 27546-27554.	3.1	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.	4.0	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.	10.3	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.	4.7	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.	2.5	29
119	Electrostatic layer-by-layer a of platinum-loaded multiwall carbon nanotube multilayer: A tunable catalyst film for anodic methanol oxidation. <i>Thin Solid Films</i> , 2008, 516, 6531-6535.	1.8	29
120	Synthesis and characterisation of novel imidazolium-based ionic liquid crystals with a nitroazobenzene moiety. <i>Liquid Crystals</i> , 2008, 35, 765-772.	2.2	29
121	Uniform PtIr 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.	5.2	29
123	In site 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.	4.0	28
124	Graphene-Based Nanohybrids for Advanced Electrochemical Sensing. <i>Electroanalysis</i> , 2015, 27, 2098-2115.	2.9	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.	3.8	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.	10.3	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.	21.1	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.	7.8	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.	10.3	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.	6.5	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.	4.1	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.	5.2	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.	5.5	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.	6.5	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.	10.3	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.	12.7	24
137	Boronate Affinity-Based Electrochemical Aptasensor for Point-of-Care Glycoprotein Detection. <i>Analytical Chemistry</i> , 2022, 94, 10206-10212.	6.5	24
138	Ion-Responsive Behavior of Ionic-Liquid Surfactant Aggregates with Applications in Controlled Release and Emulsification. <i>ChemPhysChem</i> , 2008, 9, 2198-2202.	2.1	23
139	Nickel hexacyanoferrate nanoparticles anchored to multiwalled carbon nanotubes with a grafted poly(4-vinylpyridine) linker for electrically switched ion exchange. <i>Electrochimica Acta</i> , 2012, 72, 150-156.	5.2	23
140	A Practical Li-Ion Full Cell with a High-Capacity Cathode and Electrochemically Exfoliated Graphene Anode: Superior Electrochemical and Low-Temperature Performance. <i>ACS Applied Energy Materials</i> , 2019, 2, 486-492.	5.1	23
141	Untraditional Deformation-Driven Pressure Sensor with High Sensitivity and Ultra-Large Sensing Range up to MPa Enables Versatile Applications. <i>Advanced Materials Technologies</i> , 2020, 5, 2000677.	5.8	23
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