

Dongxue Han

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

127
papers

5,234
citations

36
h-index

69
g-index

135
ext. papers

6,383
ext. citations

8.8
avg, IF

5.98
L-index

#	Paper	IF	Citations
127	Unprecedented Dual Role of Polyaniline for Enhanced Pseudocapacitance of Cobalt-iron Layered Double Hydroxide.. <i>Macromolecular Rapid Communications</i> , 2022 , e2100905	4.8	3
126	Bismuth Nanoparticles Encapsulated in Nitrogen-Rich Porous Carbon Nanofibers as a High-Performance Anode for Aqueous Alkaline Rechargeable Batteries.. <i>Small</i> , 2022 , 18, e2105770	11	1
125	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	16.7	11
124	Highly selective oxidation of methane to formaldehyde on tungsten trioxide by lattice oxygen. <i>Catalysis Communications</i> , 2021 , 161, 106365	3.2	1
123	3D Tungsten Trioxide Nanosheets as Optoelectronic Materials for On-chip Quantification of Global Antioxidant Capacity. <i>Chemical Research in Chinese Universities</i> , 2021 , 37, 763-771	2.2	1
122	Effects of Methyl Cellulose and Soybean Protein Isolate Coating on Amount of Oil and Chemical Hazards in Chinese Fried Dough Cake. <i>Journal of Food Protection</i> , 2021 , 84, 1333-1339	2.5	
121	Nanostructured Lateral Boryl Substitution Conjugated Donor-Acceptor Oligomers for Visible-Light-Driven Hydrogen Production. <i>Small</i> , 2021 , 17, e2100132	11	6
120	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	11.8	15
119	FRET Modulated Signaling: A Versatile Strategy to Construct Photoelectrochemical Microsensors for In Vivo Analysis. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 11774-11778	16.4	27
118	FRET Modulated Signaling: A Versatile Strategy to Construct Photoelectrochemical Microsensors for In Vivo Analysis. <i>Angewandte Chemie</i> , 2021 , 133, 11880-11884	3.6	1
117	A Novel Method to Prepare Flexible 3D NiO Nanosheets Electrodes for Alkaline Rechargeable NiZn Batteries. <i>ChemElectroChem</i> , 2021 , 8, 2214-2220	4.3	3
116	Surface State Passivation Ignited Photoelectrochemical Sensing of Thallium(I) with Ultrathin In ₂ S ₃ Nanosheets. <i>ACS Applied Electronic Materials</i> , 2021 , 3, 2490-2496	4	0
115	Effects of methyl cellulose-based coating on physiochemical properties and chemical hazards of Chinese fried dough cake during storage. <i>International Journal of Food Science and Technology</i> , 2021 , 56, 4770-4779	3.8	1
114	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	6.2	9
113	The inhibitory effects of sesamol and sesamolin on the glycidyl esters formation during deodorization of vegetables oils. <i>Journal of the Science of Food and Agriculture</i> , 2021 , 101, 3605-3612	4.3	1
112	Syntheses, formation mechanisms and structures of a series of linear diborazanes. <i>CrystEngComm</i> , 2021 , 23, 404-410	3.3	2
111	CdS/TiO Nanocomposite-Based Photoelectrochemical Sensor for a Sensitive Determination of Nitrite in Principle of Etching Reaction. <i>Analytical Chemistry</i> , 2021 , 93, 820-827	7.8	22

110	Aerobic oxidation of methane to formaldehyde mediated by crystal-O over gold modified tungsten trioxide via photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2021 , 283, 119661	21.8	7
109	Sesame oil inhibits the formation of glycidyl ester during deodorization. <i>International Journal of Food Properties</i> , 2021 , 24, 505-516	3	1
108	Enhanced photocatalytic degradation of tetracycline by constructing a controllable Cu ₂ O//TiO ₂ heterojunction with specific crystal facets. <i>Catalysis Science and Technology</i> , 2021 , 11, 6248-6256	5.5	1
107	Palladium-modified cuprous(i) oxide with {100} facets for photocatalytic CO reduction. <i>Nanoscale</i> , 2021 , 13, 2883-2890	7.7	8
106	Enhanced photocatalytic CO ₂ reduction by constructing an In ₂ O ₃ //CuO heterojunction with CuO as a cocatalyst. <i>Catalysis Science and Technology</i> , 2021 , 11, 2713-2717	5.5	7
105	Selective photocatalytic oxidation of methane by quantum-sized bismuth vanadate. <i>Nature Sustainability</i> , 2021 , 4, 509-515	22.1	35
104	Direct Z-scheme FeV ₂ O ₄ /g-C ₃ N ₄ Binary Catalyst for Highly Selective Reduction of Carbon Dioxide. <i>Chemical Engineering Journal</i> , 2021 , 132051	14.7	0
103	Regioregular Narrow-Bandgap n-Type Polymers with High Electron Mobility Enabling Highly Efficient All-Polymer Solar Cells. <i>Advanced Materials</i> , 2021 , 33, e2102635	24	51
102	Novel strategy of natural antioxidant nutrition quality evaluation in food: Oxidation resistance mechanism and synergistic effects investigation. <i>Food Chemistry</i> , 2021 , 359, 129768	8.5	2
101	Recent advances in potassium-ion hybrid capacitors: Electrode materials, storage mechanisms and performance evaluation. <i>Energy Storage Materials</i> , 2021 , 41, 108-132	19.4	36
100	Nanoencapsulation strategy: enabling electrochemiluminescence of thermally activated delayed fluorescence (TADF) emitters in aqueous media. <i>Chemical Communications</i> , 2021 , 57, 5262-5265	5.8	3
99	Aggregation-induced delayed fluorescence luminogens: the innovation of purely organic emitters for aqueous electrochemiluminescence. <i>Chemical Science</i> , 2021 , 12, 13283-13291	9.4	6
98	Carbon Nitride Quantum Dots Enhancing the Anodic Electrochemiluminescence of Ruthenium(II) Tris(2,2Pbipyridyl) via Inhibiting the Oxygen Evolution Reaction. <i>Analytical Chemistry</i> , 2020 , 92, 15352-15360	7.8	10
97	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	13.1	61
96	Nitrogen-Doped Porous Carbon Derived from Zeolitic Imidazolate Framework-67 Strung into Necklace with Carbon Nanotubes for the Detection of Calcium at Ultralow Level. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 087512	3.9	3
95	Electrochemically controlled grafting of polymers for ultrasensitive electrochemical assay of trypsin activity. <i>Biosensors and Bioelectronics</i> , 2020 , 165, 112358	11.8	12
94	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	13	23
93	Space-Confined Graphene Films for Pressure-Sensing Applications. <i>ACS Applied Nano Materials</i> , 2020 , 3, 1731-1740	5.6	11

92	Significant enhancement in the electrochemical determination of 4-aminophenol from nanoporous gold by decorating with a Pd@CeO ₂ composite film. <i>New Journal of Chemistry</i> , 2020 , 44, 3087-3096	3.6	3
91	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 ¹		43
90	Review of the formation and influencing factors of food-derived glycated lipids. <i>Critical Reviews in Food Science and Nutrition</i> , 2020 , 1-16	11.5	1
89	Amplified Electrochemical Biosensing of Thrombin Activity by RAFT Polymerization. <i>Analytical Chemistry</i> , 2020 , 92, 3470-3476	7.8	17
88	Controlled/"living" radical polymerization-based signal amplification strategies for biosensing. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 3327-3340	7.3	22
87	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	3.9	21
86	Titanium Oxide-Confined Manganese Oxide for One-Step Electrocatalytic Preparation of 2,5-Furandicarboxylic Acid in Acidic Media. <i>ChemElectroChem</i> , 2020 , 7, 4251-4258	4.3	6
85	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	6.8	12
84	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	7.8	20
83	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	6.7	23
82	NiSe@NiOx core-shell nanowires as a non-precious electrocatalyst for upgrading 5-hydroxymethylfurfural into 2,5-furandicarboxylic acid. <i>Applied Catalysis B: Environmental</i> , 2020 , 261, 118235	21.8	56
81	Ultrasensitive peptide-based electrochemical detection of protein kinase activity amplified by RAFT polymerization. <i>Talanta</i> , 2020 , 206, 120173	6.2	12
80	Electrochemically Controlled RAFT Polymerization for Highly Sensitive Electrochemical Biosensing of Protein Kinase Activity. <i>Analytical Chemistry</i> , 2019 , 91, 1936-1943	7.8	25
79	N-Doped Graphene Oxide Decorated with PtCo Nanoparticles for Immobilization of Double-Stranded Deoxyribonucleic Acid and Investigation of Clenbuterol-Induced DNA Damage. <i>ACS Omega</i> , 2019 , 4, 16524-16530	3.9	1
78	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	7.8	57
77	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	5.1	22
76	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	5.6	22
75	A portable micro glucose sensor based on copper-based nanocomposite structure. <i>New Journal of Chemistry</i> , 2019 , 43, 7806-7813	3.6	23

74	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	5.8	32
73	First-principles study on OH-functionalized 2D electrides: Ca ₂ NOH and Y ₂ C(OH) ₂ , promising two-dimensional monolayers for metal-ion batteries. <i>Applied Surface Science</i> , 2019 , 478, 459-464	6.7	14
72	CoO nanostructures on flexible carbon cloth for crystal plane effect of nonenzymatic electrocatalysis for glucose. <i>Biosensors and Bioelectronics</i> , 2019 , 123, 25-29	11.8	60
71	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	11	53
70	Inhibition Mechanism of Catechin, Resveratrol, Butylated Hydroxyanisole, and Tert-Butylhydroquinone on Carboxymethyl 1,2-Dipalmitoyl-sn-Glycero-3-Phosphatidylethanolamine Formation. <i>Journal of Food Science</i> , 2019 , 84, 2042-2049	3.4	3
69	Lipids Promote Glycated Phospholipid Formation by Inducing Hydroxyl Radicals in a Maillard Reaction Model System. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 7961-7967	5.7	11
68	Unraveling the Impact of Electrochemically Created Oxygen Vacancies on the Performance of ZnO Nanowire Photoanodes. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 18165-18173	8.3	6
67	LithiumSulfur Batteries: Compactly Coupled Nitrogen-Doped Carbon Nanosheets/Molybdenum Phosphide Nanocrystal Hollow Nanospheres as Polysulfide Reservoirs for High-Performance LithiumSulfur Chemistry (Small 40/2019). <i>Small</i> , 2019 , 15, 1970216	11	
66	Highly selective conversion of CO to CH on graphene modified chlorophyll Cu through multi-electron process for artificial photosynthesis. <i>Nanoscale</i> , 2019 , 11, 22980-22988	7.7	13
65	Grafting Benzenediazonium Tetrafluoroborate onto Li _{Nix} CoyMnzO ₂ Materials Achieves Subzero-Temperature High-Capacity Lithium-Ion Storage via a Diazonium Soft-Chemistry Method. <i>Advanced Energy Materials</i> , 2019 , 9, 1802946	21.8	31
64	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	6.1	12
63	Electrochemical DNA Biosensing via Electrochemically Controlled Reversible Addition-Fragmentation Chain Transfer Polymerization. <i>ACS Sensors</i> , 2019 , 4, 235-241	9.2	26
62	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	11.8	85
61	2D Nitrogen-Containing Carbon Material C ₅ N as Potential Host Material for Lithium Polysulfides: A First-Principles Study. <i>Advanced Theory and Simulations</i> , 2019 , 2, 1800165	3.5	8
60	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	10.4	44
59	Research Progress on Nitrite Electrochemical Sensor. <i>Chinese Journal of Analytical Chemistry</i> , 2018 , 46, 147-155	1.6	34
58	First-principles study of the role of strain and hydrogenation on C ₃ N. <i>Carbon</i> , 2018 , 134, 22-28	10.4	35
57	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	6.4	44

56	Controllable synthesis of coloured Ag/AgCl with spectral analysis for photocatalysis.. <i>RSC Advances</i> , 2018 , 8, 24812-24818	3.7	9
55	Hierarchical Nickel-Cobalt-Based Transition Metal Oxide Catalysts for the Electrochemical Conversion of Biomass into Valuable Chemicals. <i>ChemSusChem</i> , 2018 , 11, 2547-2553	8.3	74
54	Regulations of silver halide nanostructure and composites on photocatalysis. <i>Advanced Composites and Hybrid Materials</i> , 2018 , 1, 269-299	8.7	17
53	Breathable and Skin-Mountable Strain Sensor with Tunable Stretchability, Sensitivity, and Linearity via Surface Strain Delocalization for Versatile Skin ActivitiesPRecognition. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 42826-42836	9.5	34
52	Surface-Initiated-Reversible-Addition-Fragmentation-Chain-Transfer Polymerization for Electrochemical DNA Biosensing. <i>Analytical Chemistry</i> , 2018 , 90, 12207-12213	7.8	27
51	A theoretical study of formaldehyde adsorption and decomposition on a WC (0001) surface.. <i>RSC Advances</i> , 2018 , 8, 32481-32489	3.7	3
50	High-yield fabrication of TiCT MXene quantum dots and their electrochemiluminescence behavior. <i>Nanoscale</i> , 2018 , 10, 14000-14004	7.7	56
49	Ion-Imprinted Polymer-Based Receptors for Sensitive and Selective Detection of Mercury Ions in Aqueous Environment. <i>Journal of Sensors</i> , 2018 , 2018, 1-6	2	5
48	Ti3BN monolayer: the MXene-like material predicted by first-principles calculations. <i>RSC Advances</i> , 2017 , 7, 11834-11839	3.7	5
47	Integrated hydrogen evolution and water-cleaning via a robust graphene supported noble-metal-free FeCoS system. <i>Nanoscale</i> , 2017 , 9, 5887-5895	7.7	12
46	Tailoring heterostructured BiMoO/BiS nanobelts for highly selective photoelectrochemical analysis of gallic acid at drug level. <i>Biosensors and Bioelectronics</i> , 2017 , 94, 107-114	11.8	31
45	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	13	28
44	Oxygen Containing Functional Groups Dominate the Electrochemiluminescence of Pristine Carbon Dots. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 27546-27554	3.8	21
43	Design of two electrode system for detection of antioxidant capacity with photoelectrochemical platform. <i>Biosensors and Bioelectronics</i> , 2016 , 75, 458-64	11.8	10
42	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	13	22
41	Electrochemically Driven Surface-Confined Acid/Base Reaction for an Ultrafast H(+) Supercapacitor. <i>Journal of the American Chemical Society</i> , 2016 , 138, 1490-3	16.4	54
40	Structure and electronic properties of C ₂ N/graphene predicted by first-principles calculations. <i>RSC Advances</i> , 2016 , 6, 28484-28488	3.7	45
39	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, 7790-9	9.5	145

38	Improved performances of a LiNi _{0.6} Co _{0.15} Mn _{0.25} O ₂ cathode material with full concentration-gradient for lithium ion batteries. <i>RSC Advances</i> , 2016 , 6, 103747-103753	3.7	14
37	The fluorescence detection of glutathione by \cdot DH radicals elimination with catalyst of MoS ₂ /rGO under full spectrum visible light irradiation. <i>Talanta</i> , 2015 , 144, 551-8	6.2	30
36	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, 12193-202	9.5	139
35	Biomolecule-free, selective detection of o-diphenol and its derivatives with WS ₂ /TiO ₂ -based photoelectrochemical platform. <i>Analytical Chemistry</i> , 2015 , 87, 4844-50	7.8	54
34	Photoelectrochemical device based on Mo-doped BiVO enables smart analysis of the global antioxidant capacity in food. <i>Chemical Science</i> , 2015 , 6, 6632-6638	9.4	38
33	Efficiently photocatalytic reduction of carcinogenic contaminant Cr (VI) upon robust AgCl:Ag hollow nanocrystals. <i>Applied Catalysis B: Environmental</i> , 2015 , 164, 344-351	21.8	75
32	Nanoparticles: 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 (Adv. Mater. 43/2015). <i>Advanced Materials</i> , 2015 , 27, 7011-7011	24	8
31	Convenient recycling of 3D AgX/graphene aerogels (X = Br, Cl) for efficient photocatalytic degradation of water pollutants. <i>Advanced Materials</i> , 2015 , 27, 3767-73	24	299
30	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. <i>Advanced Materials</i> , 2015 , 27, 6906-13	24	249
29	Graphene-Based Nanohybrids for Advanced Electrochemical Sensing. <i>Electroanalysis</i> , 2015 , 27, 2098-2115	15	25
28	Probing Bio-Nano Interactions between Blood Proteins and Monolayer-Stabilized Graphene Sheets. <i>Small</i> , 2015 , 11, 5814-25	11	19
27	Hierarchically Z-scheme photocatalyst of Ag@AgCl decorated on BiVO ₄ (0 4 0) with enhancing photoelectrochemical and photocatalytic performance. <i>Applied Catalysis B: Environmental</i> , 2015 , 170-171, 206-214	21.8	282
26	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	10	52
25	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	9.4	122
24	A distinctive red Ag/AgCl photocatalyst with efficient photocatalytic oxidative and reductive activities. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 5280-5286	13	63
23	Ce-/S-codoped TiO ₂ /Sulfonated graphene for photocatalytic degradation of organic dyes. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 13565-13570	13	26
22	Perylene derivative-bridged Au-graphene nanohybrid for label-free HpDNA biosensor. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 3142-3148	7.3	25
21	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	13	39

20	Engineered photoelectrochemical platform for rational global antioxidant capacity evaluation based on ultrasensitive sulfonated graphene-TiO ₂ nanohybrid. <i>Analytical Chemistry</i> , 2014 , 86, 10171-8	7.8	63
19	Ternary alloyed AgCl(x)Br(1-x) nanocrystals: facile modulation of electronic structures toward advanced photocatalytic performance. <i>Nanoscale</i> , 2013 , 5, 10989-95	7.7	25
18	pH-switched luminescence and sensing properties of a carbon dot@polyaniline composite. <i>RSC Advances</i> , 2013 , 3, 5475	3.7	31
17	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		78
16	Flexible solid state lithium batteries based on graphene inks. <i>Journal of Materials Chemistry</i> , 2011 , 21, 9762		46
15	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		98
14	Graphene Oxide-Templated Polyaniline Microsheets toward Simultaneous Electrochemical Determination of AA/DA/UA. <i>Electroanalysis</i> , 2011 , 23, 878-884	3	83
13	Flowerlike submicrometer gold particles: Size- and surface roughness-controlled synthesis and electrochemical characterization. <i>Journal of Materials Research</i> , 2010 , 25, 1755-1760	2.5	8
12	Simultaneous Determination of Ascorbic Acid, Dopamine and Uric Acid with Chitosan-Graphene Modified Electrode. <i>Electroanalysis</i> , 2010 , 22, 2001-2008	3	286
11	Covalent functionalization of chemically converted graphene sheets via silane and its reinforcement. <i>Journal of Materials Chemistry</i> , 2009 , 19, 4632		633
10	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		137
9	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		150
8	Design and Synthesis of Multifunctional Materials Based on an Ionic-Liquid Backbone. <i>Angewandte Chemie</i> , 2006 , 118, 5999-6002	3.6	26
7	Reinforcement of silica with single-walled carbon nanotubes through covalent functionalization. <i>Journal of Materials Chemistry</i> , 2006 , 16, 4592		58
6	A novel solution-phase route for the synthesis of crystalline silver nanowires. <i>Materials Research Bulletin</i> , 2005 , 40, 1796-1801	5.1	27
5	Stable Ti ³⁺ Sites Derived from the Ti _x O _y -Pz Layer Boost Cubic Fe ₂ O ₃ for Enhanced Photocatalytic N ₂ Reduction. <i>ACS Sustainable Chemistry and Engineering</i> ,	8.3	3
4	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> ,	13	2
3	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> ,	13	4

- 2 Achieving highly efficient all-polymer solar cells by green-solvent-processing under ambient atmosphere. *Energy and Environmental Science*, 35.4 30
- 1 A Label-free Photoelectrochemical Sensor Based on Bi₂S₃@Nitrogen Doped Graphene Quantum Dots for Ascorbic Acid Determination. *Chemical Research in Chinese Universities*, 1 2.2