

Dongxue Han

List of Publications by Year in descending order

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134
papers

7,449
citations

53660

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60497

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all docs

135
docs citations

135
times ranked

10381
citing authors

#	ARTICLE	IF	CITATIONS
1	Covalent functionalization of chemically converted graphene sheets via silane and its reinforcement. <i>Journal of Materials Chemistry</i> , 2009, 19, 4632.	6.7	711
2	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
3	Simultaneous Determination of Ascorbic Acid, Dopamine and Uric Acid with Chitosan@Graphene Modified Electrode. <i>Electroanalysis</i> , 2010, 22, 2001-2008.	1.5	329
4	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.	10.8	325
5	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, 6906-6913.	11.1	298
6	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
7	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
8	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
9	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
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.	6.7	143
11	Selective photocatalytic oxidation of methane by quantum-sized bismuth vanadate. <i>Nature Sustainability</i> , 2021, 4, 509-515.	11.5	135
12	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
13	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
14	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.	10.8	130
15	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
16	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
17	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
18	Achieving highly efficient all-polymer solar cells by green-solvent-processing under ambient atmosphere. <i>Energy and Environmental Science</i> , 0, , .	15.6	102

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19	Graphene Oxide-templated Polyaniline Microsheets toward Simultaneous Electrochemical Determination of AA/DA/UA. <i>Electroanalysis</i> , 2011, 23, 878-884.	1.5	100
20	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
21	High-yield fabrication of Ti ₃ C ₂ T _x MXene quantum dots and their electrochemiluminescence behavior. <i>Nanoscale</i> , 2018, 10, 14000-14004.	2.8	93
22	Efficiently photocatalytic reduction of carcinogenic contaminant Cr (VI) upon robust AgCl:Ag hollow nanocrystals. <i>Applied Catalysis B: Environmental</i> , 2015, 164, 344-351.	10.8	89
23	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
24	Co ₃ O 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
25	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
26	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
27	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
28	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
29	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
30	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
31	FRET Modulated Signaling: A Versatile Strategy to Construct Photoelectrochemical Microsensors for In Vivo Analysis. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 11774-11778.	7.2	68
32	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
33	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
34	Research Progress on Nitrite Electrochemical Sensor. <i>Chinese Journal of Analytical Chemistry</i> , 2018, 46, 147-155.	0.9	63
35	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
36	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

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37	Reinforcement of silica with single-walled carbon nanotubes through covalent functionalization. <i>Journal of Materials Chemistry</i> , 2006, 16, 4592.	6.7	60
38	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
39	Breathable and Skin-Mountable Strain Sensor with Tunable Stretchability, Sensitivity, and Linearity via Surface Strain Delocalization for Versatile Skin Activities TM Recognition. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 42826-42836.	4.0	60
40	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
41	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
42	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
43	First-principles study of the role of strain and hydrogenation on C ₃ N. <i>Carbon</i> , 2018, 134, 22-28.	5.4	54
44	Flexible solid state lithium batteries based on graphene inks. <i>Journal of Materials Chemistry</i> , 2011, 21, 9762.	6.7	52
45	Grafting Benzenediazonium Tetrafluoroborate onto LiNi _x Co _y Mn _z O ₂ Materials Achieves Subzero ^o C Temperature High ^o Capacity Lithium ⁺ Ion Storage via a Diazonium Soft ^o Chemistry Method. <i>Advanced Energy Materials</i> , 2019, 9, 1802946.	10.2	50
46	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
47	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
48	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
49	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
50	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
51	Controlled ^o living ^o radical polymerization-based signal amplification strategies for biosensing. <i>Journal of Materials Chemistry B</i> , 2020, 8, 3327-3340.	2.9	42
52	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
53	Electrochemically Controlled RAFT Polymerization for Highly Sensitive Electrochemical Biosensing of Protein Kinase Activity. <i>Analytical Chemistry</i> , 2019, 91, 1936-1943.	3.2	39
54	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

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55	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
56	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.	10.8	38
57	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
58	pH-switched luminescence and sensing properties of a carbon dot-polyaniline composite. <i>RSC Advances</i> , 2013, 3, 5475.	1.7	36
59	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
60	Surface-Initiated-Reversible-Addition-Fragmentation-Chain-Transfer Polymerization for Electrochemical DNA Biosensing. <i>Analytical Chemistry</i> , 2018, 90, 12207-12213.	3.2	34
61	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
62	Amplified Electrochemical Biosensing of Thrombin Activity by RAFT Polymerization. <i>Analytical Chemistry</i> , 2020, 92, 3470-3476.	3.2	33
63	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
64	A portable micro glucose sensor based on copper-based nanocomposite structure. <i>New Journal of Chemistry</i> , 2019, 43, 7806-7813.	1.4	32
65	Electrochemical DNA Biosensing via Electrochemically Controlled Reversible Addition-Fragmentation Chain Transfer Polymerization. <i>ACS Sensors</i> , 2019, 4, 235-241.	4.0	32
66	A novel solution-phase route for the synthesis of crystalline silver nanowires. <i>Materials Research Bulletin</i> , 2005, 40, 1796-1801.	2.7	31
67	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
68	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
69	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
70	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
71	Graphene-Based Nanohybrids for Advanced Electrochemical Sensing. <i>Electroanalysis</i> , 2015, 27, 2098-2115.	1.5	28
72	Ternary alloyed AgClxBr _{1-x} nanocrystals: facile modulation of electronic structures toward advanced photocatalytic performance. <i>Nanoscale</i> , 2013, 5, 10989.	2.8	27

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73	Perylene derivative-bridged Au-graphene nanohybrid for label-free HpDNA biosensor. <i>Journal of Materials Chemistry B</i> , 2014, 2, 3142-3148.	2.9	27
74	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
75	Regulations of silver halide nanostructure and composites on photocatalysis. <i>Advanced Composites and Hybrid Materials</i> , 2018, 1, 269-299.	9.9	27
76	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
77	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
78	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
79	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
80	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.	2.5	23
81	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.	3.0	23
82	Nanostructured Lateral Boron Substitution Conjugated Donor-Acceptor Oligomers for Visible-Light-Driven Hydrogen Production. <i>Small</i> , 2021, 17, e2100132.	5.2	23
83	Probing Bio-Nano Interactions between Blood Proteins and Monolayer-Stabilized Graphene Sheets. <i>Small</i> , 2015, 11, 5814-5825.	5.2	22
84	Highly selective conversion of CO ₂ to C ₂ H ₆ on graphene modified chlorophyll Cu through multi-electron process for artificial photosynthesis. <i>Nanoscale</i> , 2019, 11, 22980-22988.	2.8	22
85	Electrochemically controlled grafting of polymers for ultrasensitive electrochemical assay of trypsin activity. <i>Biosensors and Bioelectronics</i> , 2020, 165, 112358.	5.3	21
86	Palladium-modified cuprous (Cu ₂ O) oxide with {100} facets for photocatalytic CO ₂ reduction. <i>Nanoscale</i> , 2021, 13, 2883-2890.	2.8	21
87	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.	3.1	20
88	Space-Confined Graphene Films for Pressure-Sensing Applications. <i>ACS Applied Nano Materials</i> , 2020, 3, 1731-1740.	2.4	20
89	Ultrasensitive peptide-based electrochemical detection of protein kinase activity amplified by RAFT polymerization. <i>Talanta</i> , 2020, 206, 120173.	2.9	19
90	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.	2.1	19

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91	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.	2.1	18
92	Nanoencapsulation strategy: enabling electrochemiluminescence of thermally activated delayed fluorescence (TADF) emitters in aqueous media. <i>Chemical Communications</i> , 2021, 57, 5262-5265.	2.2	18
93	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.	1.7	17
94	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.	3.2	17
95	Controllable synthesis of coloured Ag ⁰ /AgCl with spectral analysis for photocatalysis. <i>RSC Advances</i> , 2018, 8, 24812-24818.	1.7	16
96	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.	1.3	16
97	Novel strategy of natural antioxidant nutrition quality evaluation in food: Oxidation resistance mechanism and synergistic effects investigation. <i>Food Chemistry</i> , 2021, 359, 129768.	4.2	16
98	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.	5.2	16
99	Integrated hydrogen evolution and water-cleaning via a robust graphene supported noble-metal-free Fe _{1-x} Co _x S ₂ system. <i>Nanoscale</i> , 2017, 9, 5887-5895.	2.8	15
100	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.	1.7	14
101	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.	2.4	12
102	Polydopamine-based molecularly imprinted electrochemical sensor for the highly selective determination of ecstasy components. <i>Analyst</i> , 2022, 147, 3291-3297.	1.7	12
103	Design of two electrode system for detection of antioxidant capacity with photoelectrochemical platform. <i>Biosensors and Bioelectronics</i> , 2016, 75, 458-464.	5.3	11
104	Highly selective oxidation of methane to formaldehyde on tungsten trioxide by lattice oxygen. <i>Catalysis Communications</i> , 2021, 161, 106365.	1.6	11
105	Flowerlike submicrometer gold particles: Size- and surface roughness-controlled synthesis and electrochemical characterization. <i>Journal of Materials Research</i> , 2010, 25, 1755-1760.	1.2	10
106	A Novel Method to Prepare Flexible 3D NiO Nanosheets Electrodes for Alkaline Rechargeable Ni~Zn Batteries. <i>ChemElectroChem</i> , 2021, 8, 2214-2220.	1.7	10
107	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> , 2022, 436, 132051.	6.6	10
108	Unprecedented Dual Role of Polyaniline for Enhanced Pseudocapacitance of Cobalt-Iron Layered Double Hydroxide. <i>Macromolecular Rapid Communications</i> , 2022, 43, e2100905.	2.0	10

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109	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.	0.6	9
110	Stable Ti ³⁺ Sites Derived from the Ti _x O _y -P _z Layer Boost Cubic Fe ₂ O ₃ for Enhanced Photocatalytic N ₂ Reduction. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 15331-15343.	3.2	9
111	Nanoparticles: Intercorrelated Superhybrid of AgBr Supported on Graphitic ³ N ⁴ â€Decorated Nitrogenâ€Doped Graphene: High Engineering Photocatalytic Activities for Water Purification and CO ₂ Reduction (<i>Adv. Mater.</i> 43/2015). <i>Advanced Materials</i> , 2015, 27, 7011-7011.	11.1	8
112	A low-cost and green-solvent-processable hole-transport material enabled by a traditional bidentate ligand for highly efficient inverted perovskite solar cells. <i>Journal of Materials Chemistry C</i> , 2021, 9, 8930-8938.	2.7	8
113	A self-protective piezoelectric-piezoresistive dual-mode device with superior dynamic-static mechanoresponse and energy harvesting performance enabled by flextensional transduction. <i>Nano Energy</i> , 2022, 100, 107498.	8.2	8
114	Ti ₃ BN monolayer: the MXene-like material predicted by first-principles calculations. <i>RSC Advances</i> , 2017, 7, 11834-11839.	1.7	7
115	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.	1.3	7
116	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.	1.4	7
117	FRET Modulated Signaling: A Versatile Strategy to Construct Photoelectrochemical Microsensors for In Vivo Analysis. <i>Angewandte Chemie</i> , 2021, 133, 11880-11884.	1.6	6
118	Inhibition mechanism of melanin formation based on antioxidant scavenging of reactive oxygen species. <i>Analyst</i> , The, 2022, 147, 2703-2711.	1.7	6
119	Effects of methyl celluloseâ€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.	1.3	5
120	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.	1.3	5
121	A Label-free Photoelectrochemical Sensor Based on Bi ₂ S ₃ @Nitrogen Doped Graphene Quantum Dots for Ascorbic Acid Determination. <i>Chemical Research in Chinese Universities</i> , 2022, 38, 1387-1393.	1.3	5
122	A theoretical study of formaldehyde adsorption and decomposition on a WC (0001) surface. <i>RSC Advances</i> , 2018, 8, 32481-32489.	1.7	4
123	Sesame oil inhibits the formation of glycidyl ester during deodorization. <i>International Journal of Food Properties</i> , 2021, 24, 505-516.	1.3	4
124	Self-Healing of a Covalently Cross-Linked Polymer Electrolyte Membrane by Diels-Alder Cycloaddition and Electrolyte Embedding for Lithium Ion Batteries. <i>Polymers</i> , 2021, 13, 4155.	2.0	4
125	A simple preparation method of <i>in situ</i> oxidized titanium carbide MXene for photocatalytic degradation of catechol. <i>New Journal of Chemistry</i> , 2022, 46, 9364-9371.	1.4	4
126	Inhibition Mechanism of Catechin, Resveratrol, Butylated Hydroxyanisole, and Tertâ€Butylhydroquinone on Carboxymethyl 1,2â€Dipalmitoylâ€snâ€Glyceroâ€3â€Phosphatidylethanolamine Formation. <i>Journal of Food Science</i> , 2019, 84, 2042-2049.	1.5	3

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127	The inhibitory effects of sesamol and sesamol on the glycidyl esters formation during deodorization of vegetables oils. <i>Journal of the Science of Food and Agriculture</i> , 2021, 101, 3605-3612.	1.7	3
128	Syntheses, formation mechanisms and structures of a series of linear diborazanes. <i>CrystEngComm</i> , 2021, 23, 404-410.	1.3	2
129	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.	2.0	2
130	Review of the formation and influencing factors of food-derived glycated lipids. <i>Critical Reviews in Food Science and Nutrition</i> , 2020, , 1-16.	5.4	2
131	Sesamol can inhibit the formation of glycidyl ester in deep frying palm oil. <i>Journal of Food Processing and Preservation</i> , 2022, 46, .	0.9	2
132	Lithium–Sulfur Batteries: Compactly Coupled Nitrogen–Doped Carbon Nanosheets/Molybdenum Phosphide Nanocrystal Hollow Nanospheres as Polysulfide Reservoirs for High–Performance Lithium–Sulfur Chemistry (<i>Small</i> 40/2019). <i>Small</i> , 2019, 15, 1970216.	5.2	1
133	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.	1.6	1
134	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.	0.8	0