

Jinghong Li

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Preparation and aggregate state regulation of co-assembly graphene oxide-porphyrin composite Langmuir films via surface-modified graphene oxide sheets. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 584, 124023.	4.7	71
2	2D Hybrid of Ni-LDH Chips on Carbon Nanosheets as Cathode of Zinc-Air Battery for Electrocatalytic Conversion of O_2 into H_2O_2 . <i>ChemSusChem</i> , 2020, 13, 1496-1503.	6.8	30
3	Graphene-nucleic acid biointerface-engineered biosensors with tunable dynamic range. <i>Journal of Materials Chemistry B</i> , 2020, 8, 3623-3630.	5.8	10
4	Recent Advances in Transition Metal Phosphide Electrocatalysts for Water Splitting under Neutral pH Conditions. <i>ChemElectroChem</i> , 2020, 7, 3578-3589.	3.4	63
5	Construction of H_2O_2 -responsive asymmetric 2D nanofluidic channels with graphene and peroxidase-mimetic V_2O_5 nanowires. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 4041-4048.	3.7	6
6	Optical Imaging of Charges with Atomically Thin Molybdenum Disulfide. <i>ACS Nano</i> , 2019, 13, 2298-2306.	14.6	9
7	Facile "Spot-Heating" Synthesis of Carbon Dots/Carbon Nitride for Solar Hydrogen Evolution Synchronously with Contaminant Decomposition. <i>Advanced Functional Materials</i> , 2018, 28, 1706462.	14.9	121
8	Molybdenum Carbide-Decorated Metallic Cobalt@Nitrogen-Doped Carbon Polyhedrons for Enhanced Electrocatalytic Hydrogen Evolution. <i>Small</i> , 2018, 14, e1704227.	10.0	114
9	Polycrystalline CoP/CoP_2 Structures for Efficient Full Water Splitting. <i>ChemElectroChem</i> , 2018, 5, 701-707.	3.4	90
10	Rapidly catalysis of oxygen evolution through sequential engineering of vertically layered FeNi structure. <i>Nano Energy</i> , 2018, 43, 359-367.	16.0	49
11	Ferric phosphide carbon nanocomposites emerging as highly active electrocatalysts for the hydrogen evolution reaction. <i>Dalton Transactions</i> , 2018, 47, 16011-16018.	3.3	12
12	Tunable stiffness of graphene oxide/polyacrylamide composite scaffolds regulates cytoskeleton assembly. <i>Chemical Science</i> , 2018, 9, 6516-6522.	7.4	22
13	Highly Efficient, Stable Electrocatalytic Hydrogen Evolution in Acid Media by Amorphous Fe_xP Coating Fe_2N Supported on Reduced Graphene Oxide. <i>Small</i> , 2018, 14, e1801717.	10.0	72
14	Black phosphorus quantum dots: synthesis, properties, functionalized modification and applications. <i>Chemical Society Reviews</i> , 2018, 47, 6795-6823.	38.1	250
15	Highly efficient and sustainable non-precious-metal Fe-N-C electrocatalysts for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2018, 6, 2527-2539.	10.3	214
16	In Situ Coupling of CoP Polyhedrons and Carbon Nanotubes as Highly Efficient Hydrogen Evolution Reaction Electrocatalyst. <i>Small</i> , 2017, 13, 1602873.	10.0	212
17	Hierarchical Structures Based on Two-Dimensional Nanomaterials for Rechargeable Lithium Batteries. <i>Advanced Energy Materials</i> , 2017, 7, 1601906.	19.5	216
18	Self-Supported Ferric Phosphide Spherical Clusters as Efficient Electrocatalysts for Hydrogen Evolution Reaction. <i>ChemistrySelect</i> , 2017, 2, 9472-9478.	1.5	6

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19	Multiple-targeted graphene-based nanocarrier for intracellular imaging of mRNAs. <i>Analytica Chimica Acta</i> , 2017, 983, 1-8.	5.4	27
20	Co ₉ S ₈ nanoparticles anchored on nitrogen and sulfur dual-doped carbon nanosheets as highly efficient bifunctional electrocatalyst for oxygen evolution and reduction reactions. <i>Nanoscale</i> , 2017, 9, 12432-12440.	5.6	128
21	Unique Hierarchical Mo ₂ C/C Nanosheet Hybrids as Active Electrocatalyst for Hydrogen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 41314-41322.	8.0	112
22	Carbon-coated hollow mesoporous FeP microcubes: an efficient and stable electrocatalyst for hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2016, 4, 8974-8977.	10.3	137
23	Co ₃ O ₄ Hollow Polyhedrons as Bifunctional Electrocatalysts for Reduction and Evolution Reactions of Oxygen. <i>Particle and Particle Systems Characterization</i> , 2016, 33, 887-895.	2.3	45
24	Highly Active and Stable Catalysts of Phytic Acid-Derivative Transition Metal Phosphides for Full Water Splitting. <i>Journal of the American Chemical Society</i> , 2016, 138, 14686-14693.	13.7	647
25	Earth-Rich Transition Metal Phosphide for Energy Conversion and Storage. <i>Advanced Energy Materials</i> , 2016, 6, 1600087.	19.5	437
26	Applications of graphene and its derivatives in intracellular biosensing and bioimaging. <i>Analyst</i> , The, 2016, 141, 4541-4553.	3.5	58
27	Two-dimensional layered MoS ₂ : rational design, properties and electrochemical applications. <i>Energy and Environmental Science</i> , 2016, 9, 1190-1209.	30.8	532
28	Energy harvesting from enzymatic biowaste reaction through polyelectrolyte functionalized 2D nanofluidic channels. <i>Chemical Science</i> , 2016, 7, 3645-3648.	7.4	20
29	Cobalt Phosphide Hollow Polyhedron as Efficient Bifunctional Electrocatalysts for the Evolution Reaction of Hydrogen and Oxygen. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 2158-2165.	8.0	486
30	Metallic and ferromagnetic MoS ₂ nanobelts with vertically aligned edges. <i>Nano Research</i> , 2015, 8, 2946-2953.	10.4	30
31	Î±- and Î³-Fe ₂ O ₃ nanoparticle/nitrogen doped carbon nanotube catalysts for high-performance oxygen reduction reaction. <i>Science China Materials</i> , 2015, 58, 683-692.	6.3	73
32	Flawed MoO ₂ belts transformed from MoO ₃ on a graphene template for the hydrogen evolution reaction. <i>Nanoscale</i> , 2015, 7, 7040-7044.	5.6	73
33	Highly reduced graphene oxide supported Pt nanocomposites as highly efficient catalysts for methanol oxidation. <i>Chemical Communications</i> , 2015, 51, 2418-2420.	4.1	37
34	The graphene/nucleic acid nanobiointerface. <i>Chemical Society Reviews</i> , 2015, 44, 6954-6980.	38.1	181
35	Enzyme-guided plasmonic biosensor based on dual-functional nanohybrid for sensitive detection of thrombin. <i>Biosensors and Bioelectronics</i> , 2015, 70, 404-410.	10.1	37
36	Three-Dimensional Nitrogen-Doped Graphene/MnO Nanoparticle Hybrids as a High-Performance Catalyst for Oxygen Reduction Reaction. <i>Journal of Physical Chemistry C</i> , 2015, 119, 8032-8037.	3.1	92

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37	Selective electrochemical detection of dopamine using nitrogen-doped graphene/manganese monoxide composites. RSC Advances, 2015, 5, 85065-85072.	3.6	32
38	Molybdenum-doped mesoporous carbon/graphene composites as efficient electrocatalysts for the oxygen reduction reaction. Journal of Materials Chemistry A, 2015, 3, 19969-19973.	10.3	37
39	Heating Treated Carbon Nanotubes As Highly Active Electrocatalysts for Oxygen Reduction Reaction. Electrochimica Acta, 2015, 154, 177-183.	5.2	30
40	Graphene-based transition metal oxide nanocomposites for the oxygen reduction reaction. Nanoscale, 2015, 7, 1250-1269.	5.6	290
41	Graphene and Graphene-like Layered Transition Metal Dichalcogenides in Energy Conversion and Storage. Small, 2014, 10, 2165-2181.	10.0	535
42	Nanomaterials in carbohydrate biosensors. TrAC - Trends in Analytical Chemistry, 2014, 58, 54-70.	11.4	55
43	Direct Exfoliation of Graphite to Graphene by a Facile Chemical Approach. Small, 2014, 10, 2233-2238.	10.0	28
44	Porous SnO ₂ nanocubes with controllable pore volume and their Li storage performance. RSC Advances, 2014, 4, 13250-13255.	3.6	9
45	In situ simultaneous monitoring of ATP and GTP using a graphene oxide nanosheet-based sensing platform in living cells. Nature Protocols, 2014, 9, 1944-1955.	12.0	215
46	Ultrasensitive detection of cancer cells and glycan expression profiling based on a multivalent recognition and alkaline phosphatase-responsive electrogenerated chemiluminescence biosensor. Nanoscale, 2014, 6, 11196-11203.	5.6	51
47	Sensitive Electrochemical Aptamer Biosensor for Dynamic Cell Surface <i>N</i> -Glycan Evaluation Featuring Multivalent Recognition and Signal Amplification on a Dendrimer-graphene Electrode Interface. Analytical Chemistry, 2014, 86, 4278-4286.	6.5	158
48	Formation of a graphene oxide-DNA duplex-based logic gate and sensor mediated by RecA-ssDNA nucleoprotein filaments. Chemical Communications, 2013, 49, 9971.	4.1	18
49	Metal oxide hollow nanostructures: Fabrication and Li storage performance. Journal of Power Sources, 2013, 238, 376-387.	7.8	174
50	Graphene-based hollow spheres as efficient electrocatalysts for oxygen reduction. Nanoscale, 2013, 5, 10839.	5.6	75
51	A low-temperature method to produce highly reduced graphene oxide. Nature Communications, 2013, 4, 1539.	12.8	436
52	Graphene and its derivatives for the development of solar cells, photoelectrochemical, and photocatalytic applications. Energy and Environmental Science, 2013, 6, 1362.	30.8	355
53	In Situ Live Cell Sensing of Multiple Nucleotides Exploiting DNA/RNA Aptamers and Graphene Oxide Nanosheets. Analytical Chemistry, 2013, 85, 6775-6782.	6.5	189
54	Sucrose-Assisted Loading of LiFePO ₄ Nanoparticles on Graphene for High-Performance Lithium-Ion Battery Cathodes. Chemistry - A European Journal, 2013, 19, 5631-5636.	3.3	45

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55	More stable structures lead to improved cycle stability in photocatalysis and Li-ion batteries. RSC Advances, 2013, 3, 7933.	3.6	6
56	Titanium Nitride Nanocrystals on Nitrogen-Doped Graphene as an Efficient Electrocatalyst for Oxygen Reduction Reaction. Chemistry - A European Journal, 2013, 19, 14781-14786.	3.3	73
57	Graphene Oxide: Preparation, Functionalization, and Electrochemical Applications. Chemical Reviews, 2012, 112, 6027-6053.	47.7	3,024
58	Nanostructured carbon for energy storage and conversion. Nano Energy, 2012, 1, 195-220.	16.0	895
59	One-Pot Synthesis, Characterization, and Enhanced Photocatalytic Activity of a BiOBr-Graphene Composite. Chemistry - A European Journal, 2012, 18, 14359-14366.	3.3	191
60	Au/TiO ₂ /Au as a Plasmonic Coupling Photocatalyst. Journal of Physical Chemistry C, 2012, 116, 6490-6494.	3.1	220
61	Low temperature synthesis of NiO/Co ₃ O ₄ composite nanosheets as high performance Li-ion battery anode materials. Science Bulletin, 2012, 57, 4195-4198.	1.7	6
62	Nitrogen-doped graphene nanosheets as high efficient catalysts for oxygen reduction reaction. Science Bulletin, 2012, 57, 3065-3070.	1.7	31
63	SnO ₂ hollow nanospheres enclosed by single crystalline nanoparticles for highly efficient dye-sensitized solar cells. CrystEngComm, 2012, 14, 5177.	2.6	67
64	Duplex DNA/Graphene Oxide Biointerface: From Fundamental Understanding to Specific Enzymatic Effects. Advanced Functional Materials, 2012, 22, 3083-3088.	14.9	127
65	Polyhedral AgBr Microcrystals with an Increased Percentage of Exposed {111} Facets as a Highly Efficient Visible-Light Photocatalyst. Chemistry - A European Journal, 2012, 18, 4620-4626.	3.3	62
66	Layer-by-layer assembly of chemical reduced graphene and carbon nanotubes for sensitive electrochemical immunoassay. Biosensors and Bioelectronics, 2012, 35, 63-68.	10.1	150
67	Sensitive and Rapid Screening of T4 Polynucleotide Kinase Activity and Inhibition Based on Coupled Exonuclease Reaction and Graphene Oxide Platform. Analytical Chemistry, 2011, 83, 8396-8402.	6.5	163
68	New role of graphene oxide as active hydrogen donor in the recyclable palladium nanoparticles catalyzed ullmann reaction in environmental friendly ionic liquid/supercritical carbon dioxide system. Journal of Materials Chemistry, 2011, 21, 3485.	6.7	50
69	Positive Potential Operation of a Cathodic Electrogenerated Chemiluminescence Immunosensor Based on Luminol and Graphene for Cancer Biomarker Detection. Analytical Chemistry, 2011, 83, 3817-3823.	6.5	347
70	DNA-Directed Self-Assembly of Graphene Oxide with Applications to Ultrasensitive Oligonucleotide Assay. ACS Nano, 2011, 5, 3817-3822.	14.6	177
71	Fabrication of an electrochemical platform based on the self-assembly of graphene oxide-multiwall carbon nanotube nanocomposite and horseradish peroxidase: direct electrochemistry and electrocatalysis. Nanotechnology, 2011, 22, 494010.	2.6	45
72	Electrochemical DNA sensor by the assembly of graphene and DNA-conjugated gold nanoparticles with silver enhancement strategy. Analyst, The, 2011, 136, 4732.	3.5	95

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73	Self assembly of acetylcholinesterase on a gold nanoparticles-graphene nanosheet hybrid for organophosphate pesticide detection using polyelectrolyte as a linker. <i>Journal of Materials Chemistry</i> , 2011, 21, 5319.	6.7	219
74	Graphene and graphene oxide: biofunctionalization and applications in biotechnology. <i>Trends in Biotechnology</i> , 2011, 29, 205-212.	9.3	1,327
75	Pyrenebutyrate-functionalized graphene/poly(3-octyl-thiophene) nanocomposites based photoelectrochemical cell. <i>Journal of Electroanalytical Chemistry</i> , 2011, 656, 269-273.	3.8	23
76	Efficient Analysis of Non-Polar Environmental Contaminants by MALDI-TOF MS with Graphene as Matrix. <i>Journal of the American Society for Mass Spectrometry</i> , 2011, 22, 1294-1298.	2.8	68
77	Facile Synthesis of Wide-Bandgap Fluorinated Graphene Semiconductors. <i>Chemistry - A European Journal</i> , 2011, 17, 8896-8903.	3.3	121
78	Fabrication of polymeric ionic liquid/graphene nanocomposite for glucose oxidase immobilization and direct electrochemistry. <i>Biosensors and Bioelectronics</i> , 2011, 26, 2632-2637.	10.1	196
79	Graphene Fluorescence Resonance Energy Transfer Aptasensor for the Thrombin Detection. <i>Analytical Chemistry</i> , 2010, 82, 2341-2346.	6.5	848
80	Graphene-based materials in electrochemistry. <i>Chemical Society Reviews</i> , 2010, 39, 3157.	38.1	1,297
81	Nitrogen-Doped Graphene and Its Application in Electrochemical Biosensing. <i>ACS Nano</i> , 2010, 4, 1790-1798.	14.6	1,977
82	Direct electrochemistry and electrocatalysis of myoglobin covalently immobilized in mesopores cellular foams. <i>Biosensors and Bioelectronics</i> , 2010, 26, 846-849.	10.1	18
83	Self-Assembled Graphene-Enzyme Hierarchical Nanostructures for Electrochemical Biosensing. <i>Advanced Functional Materials</i> , 2010, 20, 3366-3372.	14.9	256
84	Fabrication of a Biocompatible and Conductive Platform Based on a Single-Stranded DNA/Graphene Nanocomposite for Direct Electrochemistry and Electrocatalysis. <i>Chemistry - A European Journal</i> , 2010, 16, 8133-8139.	3.3	139
85	Quantum dots sensitized graphene: In situ growth and application in photoelectrochemical cells. <i>Electrochemistry Communications</i> , 2010, 12, 483-487.	4.7	118
86	Aptamer/Graphene Oxide Nanocomplex for <i>In Situ</i> Molecular Probing in Living Cells. <i>Journal of the American Chemical Society</i> , 2010, 132, 9274-9276.	13.7	1,020
87	Noncovalent DNA decorations of graphene oxide and reduced graphene oxide toward water-soluble metal-carbon hybrid nanostructures via self-assembly. <i>Journal of Materials Chemistry</i> , 2010, 20, 900-906.	6.7	167
88	Preparation of SnO ₂ -Nanocrystal/Graphene-Nanosheets Composites and Their Lithium Storage Ability. <i>Journal of Physical Chemistry C</i> , 2010, 114, 21770-21774.	3.1	377
89	Interfacial Functionalization of TiO ₂ with Smart Polymers: pH-Controlled Switching of Photocurrent Direction. <i>Journal of Physical Chemistry C</i> , 2010, 114, 10478-10483.	3.1	29
90	Graphene as a Novel Matrix for the Analysis of Small Molecules by MALDI-TOF MS. <i>Analytical Chemistry</i> , 2010, 82, 6208-6214.	6.5	365

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91	P25-Graphene Composite as a High Performance Photocatalyst. ACS Nano, 2010, 4, 380-386.	14.6	2,946
92	Uniform and rich-wrinkled electrophoretic deposited graphene film: a robust electrochemical platform for TNT sensing. Chemical Communications, 2010, 46, 5882.	4.1	153
93	Energy-Efficient Photodegradation of Azo Dyes with TiO ₂ Nanoparticles Based on Photoisomerization and Alternate UV-Visible Light. Environmental Science & Technology, 2010, 44, 1107-1111.	10.0	77
94	Ionic liquids in surface electrochemistry. Physical Chemistry Chemical Physics, 2010, 12, 1685.	2.8	327
95	Preparation, Structure, and Electrochemical Properties of Reduced Graphene Sheet Films. Advanced Functional Materials, 2009, 19, 2782-2789.	14.9	1,132
96	Measurement of the quantum capacitance of graphene. Nature Nanotechnology, 2009, 4, 505-509.	31.5	1,459
97	Preparation and electrochemical performance for methanol oxidation of Pt/graphene nanocomposites. Electrochemistry Communications, 2009, 11, 846-849.	4.7	675
98	Application of graphene-modified electrode for selective detection of dopamine. Electrochemistry Communications, 2009, 11, 889-892.	4.7	1,067
99	A Hybrid Electrochemical-Colorimetric Sensing Platform for Detection of Explosives. Journal of the American Chemical Society, 2009, 131, 1390-1391.	13.7	146
100	Graphene Oxide Amplified Electrogenenerated Chemiluminescence of Quantum Dots and Its Selective Sensing for Glutathione from Thiol-Containing Compounds. Analytical Chemistry, 2009, 81, 9710-9715.	6.5	397
101	Hierarchically structured carbon nanocomposites as electrode materials for electrochemical energy storage, conversion and biosensor systems. Journal of Materials Chemistry, 2009, 19, 8707.	6.7	77
102	Electrochemical Gate-Controlled Charge Transport in Graphene in Ionic Liquid and Aqueous Solution. Journal of the American Chemical Society, 2009, 131, 9908-9909.	13.7	238
103	Tuning Photoelectrochemical Performances of Ag-TiO ₂ Nanocomposites via Reduction/Oxidation of Ag. Chemistry of Materials, 2008, 20, 6543-6549.	6.7	546
104	Preparation and Enhanced Photoelectrochemical Performance of Coupled Bicomponent ZnO-TiO ₂ Nanocomposites. Journal of Physical Chemistry C, 2008, 112, 117-122.	3.1	186
105	Photoelectrochemical study of organic-inorganic hybrid thin films via electrostatic layer-by-layer assembly. Electrochemistry Communications, 2007, 9, 2151-2156.	4.7	51
106	Interfacial Bioelectrochemistry: Fabrication, Properties and Applications of Functional Nanostructured Biointerfaces. Journal of Physical Chemistry C, 2007, 111, 2351-2367.	3.1	155
107	Facilitated Lithium Storage in MoS ₂ Overlayers Supported on Coaxial Carbon Nanotubes. Journal of Physical Chemistry C, 2007, 111, 1675-1682.	3.1	253
108	Direct electrochemistry and electrocatalysis based on film of horseradish peroxidase intercalated into layered titanate nano-sheets. Biosensors and Bioelectronics, 2007, 23, 102-106.	10.1	125

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109	Photoelectrochemical Study on Charge Transfer Properties of TiO ₂ @B Nanowires with an Application as Humidity Sensors. <i>Journal of Physical Chemistry B</i> , 2006, 110, 22029-22034.	2.6	247
110	V-Shaped Tin Oxide Nanostructures Featuring a Broad Photocurrent Signal: An Effective Visible-Light-Driven Photocatalyst. <i>Small</i> , 2006, 2, 1436-1439.	10.0	140
111	A novel nickel-based mixed rare-earth oxide/activated carbon supercapacitor using room temperature ionic liquid electrolyte. <i>Electrochimica Acta</i> , 2006, 51, 1925-1931.	5.2	95