

# Jinghong Li

## 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.

111  
papers

28,513  
citations

69  
h-index

113  
g-index

113  
ext. papers

30,393  
ext. citations

11.4  
avg, IF

7.51  
L-index

#	Paper	IF	Citations
111	Recent Advances in Transition Metal Phosphide Electrocatalysts for Water Splitting under Neutral pH Conditions. <i>ChemElectroChem</i> , <b>2020</b> , 7, 3578-3589	4.3	26
110	Graphene-nucleic acid biointerface-engineered biosensors with tunable dynamic range. <i>Journal of Materials Chemistry B</i> , <b>2020</b> , 8, 3623-3630	7.3	7
109	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> , <b>2020</b> , 584, 124023	5.1	62
108	2 D Hybrid of Ni-LDH Chips on Carbon Nanosheets as Cathode of Zinc-Air Battery for Electrocatalytic Conversion of O into H O. <i>ChemSusChem</i> , <b>2020</b> , 13, 1496-1503	8.3	15
107	Construction of HO-responsive asymmetric 2D nanofluidic channels with graphene and peroxidase-mimetic VO nanowires. <i>Analytical and Bioanalytical Chemistry</i> , <b>2019</b> , 411, 4041-4048	4.4	6
106	Optical Imaging of Charges with Atomically Thin Molybdenum Disulfide. <i>ACS Nano</i> , <b>2019</b> , 13, 2298-2306	16.7	6
105	Facile Spot-Heating Synthesis of Carbon Dots/Carbon Nitride for Solar Hydrogen Evolution Synchronously with Contaminant Decomposition. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1706462	15.6	86
104	Molybdenum Carbide-Decorated Metallic Cobalt@Nitrogen-Doped Carbon Polyhedrons for Enhanced Electrocatalytic Hydrogen Evolution. <i>Small</i> , <b>2018</b> , 14, e1704227	11	77
103	High-Efficient, Stable Electrocatalytic Hydrogen Evolution in Acid Media by Amorphous Fe P Coating Fe N Supported on Reduced Graphene Oxide. <i>Small</i> , <b>2018</b> , 14, e1801717	11	57
102	Black phosphorus quantum dots: synthesis, properties, functionalized modification and applications. <i>Chemical Society Reviews</i> , <b>2018</b> , 47, 6795-6823	58.5	168
101	Highly efficient and sustainable non-precious-metal FeNi electrocatalysts for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 2527-2539	13	167
100	Polycrystalline CoP/CoP <sub>2</sub> Structures for Efficient Full Water Splitting. <i>ChemElectroChem</i> , <b>2018</b> , 5, 701-707	7.3	81
99	Rapidly catalysis of oxygen evolution through sequential engineering of vertically layered FeNi structure. <i>Nano Energy</i> , <b>2018</b> , 43, 359-367	17.1	39
98	Ferric phosphide carbon nanocomposites emerging as highly active electrocatalysts for the hydrogen evolution reaction. <i>Dalton Transactions</i> , <b>2018</b> , 47, 16011-16018	4.3	10
97	Tunable stiffness of graphene oxide/polyacrylamide composite scaffolds regulates cytoskeleton assembly. <i>Chemical Science</i> , <b>2018</b> , 9, 6516-6522	9.4	15
96	In Situ Coupling of CoP Polyhedrons and Carbon Nanotubes as Highly Efficient Hydrogen Evolution Reaction Electrocatalyst. <i>Small</i> , <b>2017</b> , 13, 1602873	11	175
95	Hierarchical Structures Based on Two-Dimensional Nanomaterials for Rechargeable Lithium Batteries. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1601906	21.8	172

94	Self-Supported Ferric Phosphide Spherical Clusters as Efficient Electrocatalysts for Hydrogen Evolution Reaction. <i>ChemistrySelect</i> , <b>2017</b> , 2, 9472-9478	1.8	6
93	Multiple-targeted graphene-based nanocarrier for intracellular imaging of mRNAs. <i>Analytica Chimica Acta</i> , <b>2017</b> , 983, 1-8	6.6	23
92	CoS nanoparticles anchored on nitrogen and sulfur dual-doped carbon nanosheets as highly efficient bifunctional electrocatalyst for oxygen evolution and reduction reactions. <i>Nanoscale</i> , <b>2017</b> , 9, 12432-12440	7.7	110
91	Unique Hierarchical MoC/C Nanosheet Hybrids as Active Electrocatalyst for Hydrogen Evolution Reaction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 41314-41322	9.5	76
90	Co <sub>3</sub> O <sub>4</sub> Hollow Polyhedrons as Bifunctional Electrocatalysts for Reduction and Evolution Reactions of Oxygen. <i>Particle and Particle Systems Characterization</i> , <b>2016</b> , 33, 887-895	3.1	38
89	Highly Active and Stable Catalysts of Phytic Acid-Derivative Transition Metal Phosphides for Full Water Splitting. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 14686-14693	16.4	533
88	Earth-Rich Transition Metal Phosphide for Energy Conversion and Storage. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1600087	21.8	354
87	Applications of graphene and its derivatives in intracellular biosensing and bioimaging. <i>Analyst, The</i> , <b>2016</b> , 141, 4541-53	5	50
86	Two-dimensional layered MoS <sub>2</sub> : rational design, properties and electrochemical applications. <i>Energy and Environmental Science</i> , <b>2016</b> , 9, 1190-1209	35.4	432
85	Energy harvesting from enzymatic biowaste reaction through polyelectrolyte functionalized 2D nanofluidic channels. <i>Chemical Science</i> , <b>2016</b> , 7, 3645-3648	9.4	19
84	Cobalt Phosphide Hollow Polyhedron as Efficient Bifunctional Electrocatalysts for the Evolution Reaction of Hydrogen and Oxygen. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 2158-65	9.5	401
83	Carbon-coated hollow mesoporous FeP microcubes: an efficient and stable electrocatalyst for hydrogen evolution. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 8974-8977	13	120
82	Flawed MoO <sub>2</sub> belts transformed from MoO <sub>3</sub> on a graphene template for the hydrogen evolution reaction. <i>Nanoscale</i> , <b>2015</b> , 7, 7040-4	7.7	64
81	Highly reduced graphene oxide supported Pt nanocomposites as highly efficient catalysts for methanol oxidation. <i>Chemical Communications</i> , <b>2015</b> , 51, 2418-20	5.8	36
80	The graphene/nucleic acid nanobiointerface. <i>Chemical Society Reviews</i> , <b>2015</b> , 44, 6954-80	58.5	153
79	Enzyme-guided plasmonic biosensor based on dual-functional nanohybrid for sensitive detection of thrombin. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 70, 404-10	11.8	30
78	Three-Dimensional Nitrogen-Doped Graphene/MnO Nanoparticle Hybrids as a High-Performance Catalyst for Oxygen Reduction Reaction. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 8032-8037	3.8	82
77	Selective electrochemical detection of dopamine using nitrogen-doped graphene/manganese monoxide composites. <i>RSC Advances</i> , <b>2015</b> , 5, 85065-85072	3.7	27

76	Molybdenum-doped mesoporous carbon/graphene composites as efficient electrocatalysts for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 19969-19973	13	37
75	Heating Treated Carbon Nanotubes As Highly Active Electrocatalysts for Oxygen Reduction Reaction. <i>Electrochimica Acta</i> , <b>2015</b> , 154, 177-183	6.7	26
74	Graphene-based transition metal oxide nanocomposites for the oxygen reduction reaction. <i>Nanoscale</i> , <b>2015</b> , 7, 1250-69	7.7	249
73	Metallic and ferromagnetic MoS <sub>2</sub> nanobelts with vertically aligned edges. <i>Nano Research</i> , <b>2015</b> , 8, 2946-2953	20.53	26
72	Band $\Gamma$ -Fe <sub>2</sub> O <sub>3</sub> nanoparticle/nitrogen doped carbon nanotube catalysts for high-performance oxygen reduction reaction. <i>Science China Materials</i> , <b>2015</b> , 58, 683-692	7.1	59
71	Graphene and graphene-like layered transition metal dichalcogenides in energy conversion and storage. <i>Small</i> , <b>2014</b> , 10, 2165-81	11	479
70	Nanomaterials in carbohydrate biosensors. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2014</b> , 58, 54-70	14.6	54
69	Direct exfoliation of graphite to graphene by a facile chemical approach. <i>Small</i> , <b>2014</b> , 10, 2233-8	11	26
68	Porous SnO <sub>2</sub> nanocubes with controllable pore volume and their Li storage performance. <i>RSC Advances</i> , <b>2014</b> , 4, 13250-13255	3.7	7
67	In situ simultaneous monitoring of ATP and GTP using a graphene oxide nanosheet-based sensing platform in living cells. <i>Nature Protocols</i> , <b>2014</b> , 9, 1944-55	18.8	187
66	Ultrasensitive detection of cancer cells and glycan expression profiling based on a multivalent recognition and alkaline phosphatase-responsive electrogenerated chemiluminescence biosensor. <i>Nanoscale</i> , <b>2014</b> , 6, 11196-203	7.7	47
65	Sensitive electrochemical aptamer biosensor for dynamic cell surface N-glycan evaluation featuring multivalent recognition and signal amplification on a dendrimer-graphene electrode interface. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 4278-86	7.8	144
64	Formation of a graphene oxide-DNA duplex-based logic gate and sensor mediated by RecA-ssDNA nucleoprotein filaments. <i>Chemical Communications</i> , <b>2013</b> , 49, 9971-3	5.8	17
63	Metal oxide hollow nanostructures: Fabrication and Li storage performance. <i>Journal of Power Sources</i> , <b>2013</b> , 238, 376-387	8.9	163
62	Graphene-based hollow spheres as efficient electrocatalysts for oxygen reduction. <i>Nanoscale</i> , <b>2013</b> , 5, 10839-43	7.7	69
61	A low-temperature method to produce highly reduced graphene oxide. <i>Nature Communications</i> , <b>2013</b> , 4, 1539	17.4	371
60	Graphene and its derivatives for the development of solar cells, photoelectrochemical, and photocatalytic applications. <i>Energy and Environmental Science</i> , <b>2013</b> , 6, 1362	35.4	324
59	In situ live cell sensing of multiple nucleotides exploiting DNA/RNA aptamers and graphene oxide nanosheets. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 6775-82	7.8	178

58	Sucrose-assisted loading of LiFePO <sub>4</sub> nanoparticles on graphene for high-performance lithium-ion battery cathodes. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 5631-6	4.8	43
57	More stable structures lead to improved cycle stability in photocatalysis and Li-ion batteries. <i>RSC Advances</i> , <b>2013</b> , 3, 7933	3.7	6
56	Titanium nitride nanocrystals on nitrogen-doped graphene as an efficient electrocatalyst for oxygen reduction reaction. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 14781-6	4.8	66
55	Layer-by-layer assembly of chemical reduced graphene and carbon nanotubes for sensitive electrochemical immunoassay. <i>Biosensors and Bioelectronics</i> , <b>2012</b> , 35, 63-68	11.8	138
54	Graphene oxide: preparation, functionalization, and electrochemical applications. <i>Chemical Reviews</i> , <b>2012</b> , 112, 6027-53	68.1	2515
53	Nanostructured carbon for energy storage and conversion. <i>Nano Energy</i> , <b>2012</b> , 1, 195-220	17.1	797
52	One-pot synthesis, characterization, and enhanced photocatalytic activity of a BiOBr-graphene composite. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 14359-66	4.8	173
51	Au/TiO <sub>2</sub> /Au as a Plasmonic Coupling Photocatalyst. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 6490-6494	4.8	189
50	Low temperature synthesis of NiO/Co <sub>3</sub> O <sub>4</sub> composite nanosheets as high performance Li-ion battery anode materials. <i>Science Bulletin</i> , <b>2012</b> , 57, 4195-4198		5
49	Nitrogen-doped graphene nanosheets as high efficient catalysts for oxygen reduction reaction. <i>Science Bulletin</i> , <b>2012</b> , 57, 3065-3070		29
48	SnO <sub>2</sub> hollow nanospheres enclosed by single crystalline nanoparticles for highly efficient dye-sensitized solar cells. <i>CrystEngComm</i> , <b>2012</b> , 14, 5177	3.3	62
47	Duplex DNA/Graphene Oxide Biointerface: From Fundamental Understanding to Specific Enzymatic Effects. <i>Advanced Functional Materials</i> , <b>2012</b> , 22, 3083-3088	15.6	115
46	Polyhedral AgBr microcrystals with an increased percentage of exposed {111} facets as a highly efficient visible-light photocatalyst. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 4620-6	4.8	61
45	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. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 3485		45
44	Positive potential operation of a cathodic electrogenerated chemiluminescence immunosensor based on luminol and graphene for cancer biomarker detection. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 3817-23	7.8	318
43	DNA-directed self-assembly of graphene oxide with applications to ultrasensitive oligonucleotide assay. <i>ACS Nano</i> , <b>2011</b> , 5, 3817-22	16.7	160
42	Fabrication of an electrochemical platform based on the self-assembly of graphene oxide-multiwall carbon nanotube nanocomposite and horseradish peroxidase: direct electrochemistry and electrocatalysis. <i>Nanotechnology</i> , <b>2011</b> , 22, 494010	3.4	42
41	Electrochemical DNA sensor by the assembly of graphene and DNA-conjugated gold nanoparticles with silver enhancement strategy. <i>Analyst</i> , <b>2011</b> , 136, 4732-7	5	86

40	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> , <b>2011</b> , 21, 5319		196
39	Graphene and graphene oxide: biofunctionalization and applications in biotechnology. <i>Trends in Biotechnology</i> , <b>2011</b> , 29, 205-12	15.1	1150
38	Pyrenebutyrate-functionalized graphene/poly(3-octyl-thiophene) nanocomposites based photoelectrochemical cell. <i>Journal of Electroanalytical Chemistry</i> , <b>2011</b> , 656, 269-273	4.1	21
37	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> , <b>2011</b> , 22, 1294-8	3.5	65
36	Facile synthesis of wide-bandgap fluorinated graphene semiconductors. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 8896-903	4.8	112
35	Fabrication of polymeric ionic liquid/graphene nanocomposite for glucose oxidase immobilization and direct electrochemistry. <i>Biosensors and Bioelectronics</i> , <b>2011</b> , 26, 2632-7	11.8	178
34	Sensitive and rapid screening of T4 polynucleotide kinase activity and inhibition based on coupled exonuclease reaction and graphene oxide platform. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 8396-402	7.8	158
33	Aptamer/graphene oxide nanocomplex for in situ molecular probing in living cells. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 9274-6	16.4	951
32	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> , <b>2010</b> , 20, 900-906		156
31	Preparation of SnO <sub>2</sub> -Nanocrystal/Graphene-Nanosheets Composites and Their Lithium Storage Ability. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 21770-21774	3.8	354
30	Interfacial Functionalization of TiO <sub>2</sub> with Smart Polymers: pH-Controlled Switching of Photocurrent Direction. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 10478-10483	3.8	28
29	Graphene as a novel matrix for the analysis of small molecules by MALDI-TOF MS. <i>Analytical Chemistry</i> , <b>2010</b> , 82, 6208-14	7.8	337
28	P25-graphene composite as a high performance photocatalyst. <i>ACS Nano</i> , <b>2010</b> , 4, 380-6	16.7	2714
27	Uniform and rich-wrinkled electrophoretic deposited graphene film: a robust electrochemical platform for TNT sensing. <i>Chemical Communications</i> , <b>2010</b> , 46, 5882-4	5.8	143
26	Energy-efficient photodegradation of azo dyes with TiO <sub>2</sub> nanoparticles based on photoisomerization and alternate UV-visible light. <i>Environmental Science &amp; Technology</i> , <b>2010</b> , 44, 1107-11	10.3	69
25	Ionic liquids in surface electrochemistry. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 1685-97	3.6	287
24	Graphene fluorescence resonance energy transfer aptasensor for the thrombin detection. <i>Analytical Chemistry</i> , <b>2010</b> , 82, 2341-6	7.8	803
23	Graphene-based materials in electrochemistry. <i>Chemical Society Reviews</i> , <b>2010</b> , 39, 3157-80	58.5	1200

22	Nitrogen-doped graphene and its application in electrochemical biosensing. <i>ACS Nano</i> , <b>2010</b> , 4, 1790-8	16.7	1777
21	Direct electrochemistry and electrocatalysis of myoglobin covalently immobilized in mesopores cellular foams. <i>Biosensors and Bioelectronics</i> , <b>2010</b> , 26, 846-9	11.8	15
20	Self-Assembled GrapheneEnzyme Hierarchical Nanostructures for Electrochemical Biosensing. <i>Advanced Functional Materials</i> , <b>2010</b> , 20, 3366-3372	15.6	242
19	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> , <b>2010</b> , 16, 8133-9	4.8	133
18	Quantum dots sensitized graphene: In situ growth and application in photoelectrochemical cells. <i>Electrochemistry Communications</i> , <b>2010</b> , 12, 483-487	5.1	111
17	Preparation, Structure, and Electrochemical Properties of Reduced Graphene Sheet Films. <i>Advanced Functional Materials</i> , <b>2009</b> , 19, 2782-2789	15.6	1024
16	Measurement of the quantum capacitance of graphene. <i>Nature Nanotechnology</i> , <b>2009</b> , 4, 505-9	28.7	1208
15	Preparation and electrochemical performance for methanol oxidation of pt/graphene nanocomposites. <i>Electrochemistry Communications</i> , <b>2009</b> , 11, 846-849	5.1	625
14	Application of graphene-modified electrode for selective detection of dopamine. <i>Electrochemistry Communications</i> , <b>2009</b> , 11, 889-892	5.1	966
13	A hybrid electrochemical-colorimetric sensing platform for detection of explosives. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 1390-1	16.4	135
12	Graphene oxide amplified electrogenerated chemiluminescence of quantum dots and its selective sensing for glutathione from thiol-containing compounds. <i>Analytical Chemistry</i> , <b>2009</b> , 81, 9710-5	7.8	366
11	Hierarchically structured carbon nanocomposites as electrode materials for electrochemical energy storage, conversion and biosensor systems. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 8707		73
10	Electrochemical gate-controlled charge transport in graphene in ionic liquid and aqueous solution. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 9908-9	16.4	210
9	Tuning Photoelectrochemical Performances of Ag $\text{TiO}_2$ Nanocomposites via Reduction/Oxidation of Ag. <i>Chemistry of Materials</i> , <b>2008</b> , 20, 6543-6549	9.6	511
8	Preparation and Enhanced Photoelectrochemical Performance of Coupled Bicomponent ZnO $\text{TiO}_2$ Nanocomposites. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 117-122	3.8	171
7	Facilitated Lithium Storage in MoS $_2$ Overlayers Supported on Coaxial Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 1675-1682	3.8	231
6	Direct electrochemistry and electrocatalysis based on film of horseradish peroxidase intercalated into layered titanate nano-sheets. <i>Biosensors and Bioelectronics</i> , <b>2007</b> , 23, 102-6	11.8	120
5	Photoelectrochemical study of organicInorganic hybrid thin films via electrostatic layer-by-layer assembly. <i>Electrochemistry Communications</i> , <b>2007</b> , 9, 2151-2156	5.1	49

4	Interfacial Bioelectrochemistry: Fabrication, Properties and Applications of Functional Nanostructured Biointerfaces. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 2351-2367	3.8	136
3	Photoelectrochemical study on charge transfer properties of TiO <sub>2</sub> -B nanowires with an application as humidity sensors. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 22029-34	3.4	226
2	V-shaped tin oxide nanostructures featuring a broad photocurrent signal: an effective visible-light-driven photocatalyst. <i>Small</i> , <b>2006</b> , 2, 1436-9	11	131
1	A novel nickel-based mixed rare-earth oxide/activated carbon supercapacitor using room temperature ionic liquid electrolyte. <i>Electrochimica Acta</i> , <b>2006</b> , 51, 1925-1931	6.7	85