

# Tingshuai 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.

129  
papers

4,320  
citations

38  
h-index

60  
g-index

143  
ext. papers

6,781  
ext. citations

8.2  
avg, IF

6.27  
L-index

#	Paper	IF	Citations
129	Biomass Juncus derived carbon decorated with cobalt nanoparticles enables high-efficiency ammonia electrosynthesis by nitrite reduction. <i>Journal of Materials Chemistry A</i> , <b>2022</b> , 10, 2842-2848	13	6
128	Bi nanodendrites for highly efficient electrocatalytic NO reduction to NH <sub>3</sub> at ambient conditions. <i>Materials Today Physics</i> , <b>2022</b> , 22, 100611	8	12
127	Superior hydrogen evolution electrocatalysis enabled by CoP nanowire array on graphite felt. <i>International Journal of Hydrogen Energy</i> , <b>2022</b> , 47, 3580-3586	6.7	22
126	Iron-doped cobalt oxide nanoarray for efficient electrocatalytic nitrate-to-ammonia conversion.. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 615, 636-642	9.3	5
125	Ambient Ammonia Synthesis via Electrochemical Reduction of Nitrate Enabled by NiCo O Nanowire Array.. <i>Small</i> , <b>2022</b> , e2106961	11	27
124	High-efficiency ammonia electrosynthesis on self-supported Co <sub>2</sub> AlO <sub>4</sub> nanoarray in neutral media by selective reduction of nitrate. <i>Chemical Engineering Journal</i> , <b>2022</b> , 435, 135104	14.7	9
123	Recent advances in MoS <sub>2</sub> -based materials for electrocatalysis.. <i>Chemical Communications</i> , <b>2022</b> ,	5.8	4
122	NiP nanosheet array for high-efficiency electrohydrogenation of nitrite to ammonia at ambient conditions. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 606, 1055-1063	9.3	17
121	Ambient electrochemical N <sub>2</sub> -to-NH <sub>3</sub> conversion catalyzed by TiO <sub>2</sub> decorated juncus effusus-derived carbon microtubes. <i>Inorganic Chemistry Frontiers</i> , <b>2022</b> , 9, 1514-1519	6.8	9
120	Generation and regulation of electromagnetic pulses induced by hybrid laser pulses interacting with solid targets. <i>Nuclear Fusion</i> , <b>2022</b> , 62, 066006	3.3	0
119	Amorphous Boron Carbide on Titanium Dioxide Nanobelt Arrays for High-Efficiency Electrocatalytic NO Reduction to NH <sub>3</sub> .. <i>Angewandte Chemie - International Edition</i> , <b>2022</b> ,	16.4	13
118	High-performance NH <sub>3</sub> production NO electroreduction over a NiO nanosheet array. <i>Chemical Communications</i> , <b>2021</b> ,	5.8	14
117	Plasma-induced defective TiO <sub>2-x</sub> with oxygen vacancies: A high-active and robust bifunctional catalyst toward H <sub>2</sub> O <sub>2</sub> electrosynthesis. <i>Chem Catalysis</i> , <b>2021</b> ,		17
116	MnO <sub>2</sub> nanoarray with oxygen vacancies: An efficient catalyst for NO electroreduction to NH <sub>3</sub> at ambient conditions. <i>Materials Today Physics</i> , <b>2021</b> , 22, 100586	8	18
115	Functional integration of hierarchical core-shell architectures via vertically arrayed ultrathin CuSe nanosheets decorated on hollow CuS microcages targeting highly effective sodium-ion storage. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 27615-27628	13	9
114	Electrochemical two-electron O <sub>2</sub> reduction reaction toward H <sub>2</sub> O <sub>2</sub> production: using cobalt porphyrin decorated carbon nanotubes as a nanohybrid catalyst. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 26019-26027	13	7
113	Electrocatalytic H <sub>2</sub> O <sub>2</sub> production via two-electron O <sub>2</sub> reduction by Mo-doped TiO <sub>2</sub> nanocrystallines. <i>Catalysis Science and Technology</i> , <b>2021</b> , 11, 6970-6974	5.5	1

112	High-efficiency electrohydrogenation of nitric oxide to ammonia on a Ni2P nanoarray under ambient conditions. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 24268-24275	13	19
111	CoFe-LDH nanowire arrays on graphite felt: A high-performance oxygen evolution electrocatalyst in alkaline media. <i>Chinese Chemical Letters</i> , <b>2021</b> ,	8.1	24
110	Recent Advances in Nonprecious Metal Oxide Electrocatalysts and Photocatalysts for N2 Reduction Reaction under Ambient Condition. <i>Small Science</i> , <b>2021</b> , 1, 2000069		33
109	2D Vanadium Carbide (MXene) for Electrochemical Synthesis of Ammonia Under Ambient Conditions. <i>Catalysis Letters</i> , <b>2021</b> , 151, 3516	2.8	10
108	Honeycomb Carbon Nanofibers: A Superhydrophilic O2-Entrapping Electrocatalyst Enables Ultrahigh Mass Activity for the Two-Electron Oxygen Reduction Reaction. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 10677-10681	3.6	12
107	Honeycomb Carbon Nanofibers: A Superhydrophilic O <sup>-</sup> -Entrapping Electrocatalyst Enables Ultrahigh Mass Activity for the Two-Electron Oxygen Reduction Reaction. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 10583-10587	16.4	76
106	N-doped carbon nanotubes supported CoSe nanoparticles: A highly efficient and stable catalyst for HO electrosynthesis in acidic media. <i>Nano Research</i> , <b>2021</b> , 15, 1-6	10	19
105	Zinc doped Fe2O3 for boosting Electrocatalytic Nitrogen Fixation to ammonia under mild conditions. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 46, 14331-14337	6.7	5
104	TiB2 thin film enabled efficient NH3 electrosynthesis at ambient conditions. <i>Materials Today Physics</i> , <b>2021</b> , 18, 100396	8	37
103	Co-MOF Nanosheet Arrays for Efficient Alkaline Oxygen Evolution Electrocatalysis. <i>ChemNanoMat</i> , <b>2021</b> , 7, 906-909	3.5	11
102	Ag@TiO2 as an Efficient Electrocatalyst for N2 Fixation to NH3 under Ambient Conditions. <i>ChemistrySelect</i> , <b>2021</b> , 6, 5271-5274	1.8	3
101	Facile electrochemical fabrication of magnetic Fe3O4 for electrocatalytic synthesis of ammonia used for hydrogen storage application. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 46, 24128-24134	6.7	1
100	Enhanced Electrochemical HO Production via Two-Electron Oxygen Reduction Enabled by Surface-Derived Amorphous Oxygen-Deficient TiO. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 33182-33187	9.5	24
99	Recent Advances in 1D Electrospun Nanocatalysts for Electrochemical Water Splitting. <i>Small Structures</i> , <b>2021</b> , 2, 2000048	8.7	86
98	Recent advances in lithium-based batteries using metal organic frameworks as electrode materials. <i>Electrochemistry Communications</i> , <b>2021</b> , 122, 106881	5.1	25
97	Commercial indium-tin oxide glass: A catalyst electrode for efficient N2 reduction at ambient conditions. <i>Chinese Journal of Catalysis</i> , <b>2021</b> , 42, 1024-1029	11.3	44
96	Electrospun zirconia nanofibers for enhancing the electrochemical synthesis of ammonia by artificial nitrogen fixation. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 2145-2151	13	19
95	A magnetron sputtered Mo3Si thin film: an efficient electrocatalyst for N2 reduction under ambient conditions. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 884-888	13	53

94	Iron-group electrocatalysts for ambient nitrogen reduction reaction in aqueous media. <i>Nano Research</i> , <b>2021</b> , 14, 555-569	10	84
93	Magnetron sputtering enabled sustainable synthesis of nanomaterials for energy electrocatalysis. <i>Green Chemistry</i> , <b>2021</b> , 23, 2834-2867	10	40
92	Analysis of Thermal Stress in a Solid Oxide Fuel Cell Due to the Sulfur Poisoning Interface of the Electrolyte and Cathode. <i>Energy &amp; Fuels</i> , <b>2021</b> , 35, 2674-2682	4.1	4
91	Practical strategies for enhanced performance of anode materials in Na <sup>+</sup> /K <sup>+</sup> -ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 7317-7335	13	19
90	High-efficiency nitrate electroreduction to ammonia on electrodeposited cobalt-phosphorus alloy film. <i>Chemical Communications</i> , <b>2021</b> , 57, 9720-9723	5.8	19
89	Cu <sub>2</sub> Sb decorated Cu nanowire arrays for selective electrocatalytic CO <sub>2</sub> to CO conversion. <i>Nano Research</i> , <b>2021</b> , 14, 2831-2836	10	24
88	Progress and perspective of metal phosphide/carbon heterostructure anodes for rechargeable ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 11879-11907	13	28
87	Iron-Doped MoO Nanosheets for Boosting Nitrogen Fixation to Ammonia at Ambient Conditions. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 7142-7151	9.5	6
86	Highly Efficient Na <sup>+</sup> Storage in Uniform Thorn Ball-Like MnSe/C Nanospheres. <i>Acta Metallurgica Sinica (English Letters)</i> , <b>2021</b> , 34, 373-382	2.5	5
85	Anodic oxidation for the degradation of organic pollutants: Anode materials, operating conditions and mechanisms. A mini review. <i>Electrochemistry Communications</i> , <b>2021</b> , 123, 106912	5.1	42
84	Numerical simulation of solid oxide fuel cells comparing different electrochemical kinetics. <i>International Journal of Energy Research</i> , <b>2021</b> , 45, 12980-12995	4.5	2
83	A-Asterisk Algorithm as an Alternative to Evaluate the Geometric Tortuosity in Digitally Created SOFC Anodes. <i>ECS Transactions</i> , <b>2021</b> , 103, 1665-1671	1	
82	Bilateral Interfaces in InSe-CoIn-CoSe Heterostructures for High-Rate Reversible Sodium Storage. <i>ACS Nano</i> , <b>2021</b> ,	16.7	21
81	Monodisperse Cu Cluster-Loaded Defective ZrO Nanofibers for Ambient N Fixation to NH <sub>3</sub> . <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 40724-40730	9.5	2
80	NiFe Layered-Double-Hydroxide Nanosheet Arrays on Graphite Felt: A 3D Electrocatalyst for Highly Efficient Water Oxidation in Alkaline Media. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 12703-12708	5.1	36
79	Parametric study for electrode microstructure influence on SOFC performance. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 46, 37440-37440	6.7	1
78	Spatial and temporal evolution of electromagnetic pulses generated at Shengguang-II series laser facilities. <i>Plasma Science and Technology</i> , <b>2021</b> , 23, 115202	1.5	1
77	Greatly Facilitated Two-Electron Electroreduction of Oxygen into Hydrogen Peroxide over TiO <sub>2</sub> by Mn Doping. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 46659-46664	9.5	14

76	High-Performance Electrochemical NO Reduction into NH by MoS Nanosheet. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 25263-25268	16.4	42
75	La-doped TiO <sub>2</sub> nanorods toward boosted electrocatalytic N <sub>2</sub> -to-NH <sub>3</sub> conversion at ambient conditions. <i>Chinese Journal of Catalysis</i> , <b>2021</b> , 42, 1755-1762	11.3	14
74	Recent advances in strategies for highly selective electrocatalytic N <sub>2</sub> reduction toward ambient NH <sub>3</sub> synthesis. <i>Current Opinion in Electrochemistry</i> , <b>2021</b> , 29, 100766	7.2	43
73	An amorphous WC thin film enabled high-efficiency N reduction electrocatalysis under ambient conditions. <i>Chemical Communications</i> , <b>2021</b> , 57, 7806-7809	5.8	19
72	Recent Progress in Electrocatalytic Methanation of CO <sub>2</sub> at Ambient Conditions. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2009449	15.6	40
71	Constructing a hollow microflower-like ZnS/CuS@C heterojunction as an effective ion-transport booster for an ultrastable and high-rate sodium storage anode. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 6402-6412	13	39
70	High-efficiency electrochemical nitrite reduction to ammonium using a Cu <sub>3</sub> P nanowire array under ambient conditions. <i>Green Chemistry</i> , <b>2021</b> , 23, 5487-5493	10	25
69	Alkylthiol surface engineering: an effective strategy toward enhanced electrocatalytic N <sub>2</sub> -to-NH <sub>3</sub> fixation by a CoP nanoarray. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 13861-13866	13	45
68	Electrocatalytic hydrogen peroxide production in acidic media enabled by NiS <sub>2</sub> nanosheets. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 6117-6122	13	45
67	Lewis acid/base approach for efficacious defect passivation in perovskite solar cells. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 12201-12225	13	79
66	Coordination modulated crystallization and defect passivation in high quality perovskite film for efficient solar cells. <i>Coordination Chemistry Reviews</i> , <b>2020</b> , 420, 213408	23.2	26
65	Vacancy defect modulation in hot-casted NiO film for efficient inverted planar perovskite solar cells. <i>Journal of Energy Chemistry</i> , <b>2020</b> , 48, 426-434	12	29
64	Recent advances in electrospun nanofibers for supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 16747-16789	13	79
63	Analysis of electromagnetic pulses generation from laser coupling with polymer targets: Effect of metal content in target. <i>Matter and Radiation at Extremes</i> , <b>2020</b> , 5, 017401	4.7	7
62	Temperature control strategy for polymer electrolyte fuel cells. <i>International Journal of Energy Research</i> , <b>2020</b> , 44, 4352-4365	4.5	5
61	Precise control of PbI <sub>2</sub> excess into grain boundary for efficacious charge extraction in off-stoichiometric perovskite solar cells. <i>Electrochimica Acta</i> , <b>2020</b> , 338, 135697	6.7	14
60	Enhancing electromagnetic radiations by a pre-ablation laser during laser interaction with solid target. <i>Physics of Plasmas</i> , <b>2020</b> , 27, 032705	2.1	3
59	Recent Progress in Metal-Free Electrocatalysts toward Ambient N <sub>2</sub> Reduction Reaction. <i>Wuli Huaxue Xuebao/Acta Physico-Chimica Sinica</i> , <b>2020</b> , 2009043-0	3.8	20

58	Ionic liquids engineering for high-efficiency and stable perovskite solar cells. <i>Chemical Engineering Journal</i> , <b>2020</b> , 398, 125594	14.7	41
57	Dynamic modelling and controlling strategy of polymer electrolyte fuel cells. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 29718-29729	6.7	5
56	Effective electromagnetic shielding with multi-layer structure material on Shengguang laser facility. <i>Plasma Science and Technology</i> , <b>2020</b> , 22, 025601	1.5	2
55	Bioinspired Electrocatalyst for Electrochemical Reduction of N to NH in Ambient Conditions. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 2445-2451	9.5	28
54	DyF : An Efficient Electrocatalyst for N Fixation to NH under Ambient Conditions. <i>Chemistry - an Asian Journal</i> , <b>2020</b> , 15, 487-489	4.5	30
53	Diffusion parameter correlations for PEFC gas diffusion layers considering the presence of a water-droplet. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 29824-29831	6.7	4
52	Noble-metal-free electrospun nanomaterials as electrocatalysts for oxygen reduction reaction. <i>Materials Today Physics</i> , <b>2020</b> , 15, 100280	8	45
51	Thermal stress analysis at the interface of cathode and electrolyte in solid oxide fuel cells. <i>International Communications in Heat and Mass Transfer</i> , <b>2020</b> , 118, 104831	5.8	7
50	Metal-based electrocatalytic conversion of CO <sub>2</sub> to formic acid/formate. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 21947-21960	13	54
49	Electrochemical non-enzymatic glucose sensors: recent progress and perspectives. <i>Chemical Communications</i> , <b>2020</b> , 56, 14553-14569	5.8	79
48	Enhanced electrocatalytic N-to-NH fixation by ZrS nanofibers with a sulfur vacancy. <i>Chemical Communications</i> , <b>2020</b> , 56, 14031-14034	5.8	16
47	A Detailed Analysis of Internal Resistance of a PEFC Comparing High and Low Humidification of the Reactant Gases. <i>Frontiers in Energy Research</i> , <b>2020</b> , 8,	3.8	2
46	Magnetron sputtering enabled synthesis of nanostructured materials for electrochemical energy storage. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 20260-20285	13	7
45	Iron-based phosphides as electrocatalysts for the hydrogen evolution reaction: recent advances and future prospects. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 19729-19745	13	166
44	Se <sub>2</sub> C Bonding Promoting Fast and Durable Na Storage in Yolk-Shell SnSe @Se <sub>2</sub> C. <i>Small</i> , <b>2020</b> , 16, e2002486	16	39
43	Electrochemical Synthesis of Ammonia Based on a Perovskite LaCrO <sub>3</sub> Catalyst. <i>ChemCatChem</i> , <b>2020</b> , 12, 731-735	5.2	17
42	CrC Nanoparticle-Embedded Carbon Nanofiber for Artificial Synthesis of NH through N Fixation under Ambient Conditions. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 35764-35769	9.5	30
41	Off-Stoichiometric Methylammonium Iodide Passivated Large-Grain Perovskite Film in Ambient Air for Efficient Inverted Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 39882-39889	9.5	39

40	Electrochemical synthesis of ammonia by zirconia-based catalysts at ambient conditions. <i>Applied Catalysis A: General</i> , <b>2019</b> , 581, 116-122	5.1	30
39	Boosting electrocatalytic N reduction by MnO with oxygen vacancies. <i>Chemical Communications</i> , <b>2019</b> , 55, 4627-4630	5.8	83
38	Defect-rich fluorographene nanosheets for artificial N fixation under ambient conditions. <i>Chemical Communications</i> , <b>2019</b> , 55, 4266-4269	5.8	87
37	Mn <sub>3</sub> O <sub>4</sub> nanoparticles@reduced graphene oxide composite: An efficient electrocatalyst for artificial N <sub>2</sub> fixation to NH <sub>3</sub> at ambient conditions. <i>Nano Research</i> , <b>2019</b> , 12, 1093-1098	10	66
36	Electrocatalytic N-to-NH conversion with high faradaic efficiency enabled using a Bi nanosheet array. <i>Chemical Communications</i> , <b>2019</b> , 55, 5263-5266	5.8	84
35	Recent Advances in the Development of Water Oxidation Electrocatalysts at Mild pH. <i>Small</i> , <b>2019</b> , 15, e1805103	11	153
34	Methylamine-induced defect-healing and cationic substitution: a new method for low-defect perovskite thin films and solar cells. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 10724-10742	7.1	42
33	Electrospun TiC/C nanofibers for ambient electrocatalytic N <sub>2</sub> reduction. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 19657-19661	13	41
32	Low-cost coenzyme Q10 as an efficient electron transport layer for inverted perovskite solar cells. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 18626-18633	13	24
31	Emerging alkali metal ion (Li <sup>+</sup> , Na <sup>+</sup> , K <sup>+</sup> and Rb <sup>+</sup> ) doped perovskite films for efficient solar cells: recent advances and prospects. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 24150-24163	13	71
30	S-Doped Carbon Nanospheres: An Efficient Electrocatalyst toward Artificial N <sub>2</sub> Fixation to NH <sub>3</sub> . <i>Small Methods</i> , <b>2019</b> , 3, 1800251	12.8	135
29	Electrocatalytic N <sub>2</sub> Fixation over Hollow VO <sub>2</sub> Microspheres at Ambient Conditions. <i>ChemElectroChem</i> , <b>2019</b> , 6, 1014-1018	4.3	43
28	A Biomass-Derived Carbon-Based Electrocatalyst for Efficient N Fixation to NH under Ambient Conditions. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 1914-1917	4.8	51
27	Thermal stress analysis of sulfur deactivated solid oxide fuel cells. <i>Journal of Power Sources</i> , <b>2018</b> , 379, 134-143	8.9	23
26	Mechanism of chromium poisoning the conventional cathode material for solid oxide fuel cells. <i>Journal of Power Sources</i> , <b>2018</b> , 381, 26-29	8.9	21
25	Effect of the Electrochemical Active Site on Thermal Stress in Solid Oxide Fuel Cells. <i>Journal of the Electrochemical Society</i> , <b>2018</b> , 165, F105-F113	3.9	7
24	Electromagnetic radiations from laser interaction with gas-filled Hohraum. <i>Laser Physics Letters</i> , <b>2018</b> , 15, 016101	1.5	5
23	TiO <sub>2</sub> nanoparticles@reduced graphene oxide hybrid: an efficient and durable electrocatalyst toward artificial N <sub>2</sub> fixation to NH <sub>3</sub> under ambient conditions. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 17303-17306	12	127

22	High-Performance Electrohydrogenation of N <sub>2</sub> to NH <sub>3</sub> Catalyzed by Multishelled Hollow Cr <sub>2</sub> O <sub>3</sub> Microspheres under Ambient Conditions. <i>ACS Catalysis</i> , <b>2018</b> , 8, 8540-8544	13.1	218
21	Ambient NH <sub>3</sub> synthesis via electrochemical reduction of N over cubic sub-micron SnO particles. <i>Chemical Communications</i> , <b>2018</b> , 54, 12966-12969	5.8	115
20	Thermal Stress Analysis of Solid Oxide Fuel Cells with Chromium Poisoning Cathodes. <i>Journal of the Electrochemical Society</i> , <b>2018</b> , 165, F1224-F1231	3.9	6
19	Boosted Electrocatalytic N <sub>2</sub> Reduction to NH <sub>3</sub> by Defect-Rich MoS <sub>2</sub> Nanoflower. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1801357	21.8	371
18	Random laser action from ceramic-doped polymer films. <i>Journal of Modern Optics</i> , <b>2017</b> , 64, 1289-1297	1.1	7
17	Thermal stress analysis of a planar anode-supported solid oxide fuel cell: Effects of anode porosity. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 20239-20248	6.7	21
16	Investigation into the electromagnetic impulses from long-pulse laser illuminating solid targets inside a laser facility. <i>Photonic Sensors</i> , <b>2016</b> , 6, 249-255	2.3	6
15	Random laser action from a natural flexible biomembrane-based device. <i>Journal of Modern Optics</i> , <b>2016</b> , 1-6	1.1	12
14	Characterization of a quasi-sinusoidal transmission grating without membrane substrate in the 200-1500 eV photon energy regions. <i>Journal of Modern Optics</i> , <b>2016</b> , 63, 261-268	1.1	0
13	Solid oxide fuel cell interconnect design optimization considering the thermal stresses. <i>Science Bulletin</i> , <b>2016</b> , 61, 1333-1344	10.6	38
12	Modeling Validation and Simulation of an Anode Supported SOFC Including Mass and Heat Transport, Fluid Flow and Chemical Reactions <b>2011</b> ,		2
11	The Mechanism of H <sub>2</sub> S Poisoning Ni/YSZ Electrode Studied by Impedance Spectroscopy. <i>Electrochemical and Solid-State Letters</i> , <b>2011</b> , 14, B35		13
10	Highly efficient two-electron electroreduction of oxygen into hydrogen peroxide over Cu-doped TiO <sub>2</sub> . <i>Nano Research</i> ,1	10	3
9	In situ grown Fe <sub>3</sub> O <sub>4</sub> particle on stainless steel: A highly efficient electrocatalyst for nitrate reduction to ammonia. <i>Nano Research</i> ,1	10	17
8	Ambient ammonia production via electrocatalytic nitrite reduction catalyzed by a CoP nanoarray. <i>Nano Research</i> ,1	10	30
7	CuS concave polyhedral superstructures enabled efficient N <sub>2</sub> electroreduction to NH <sub>3</sub> at ambient conditions. <i>Inorganic Chemistry Frontiers</i> ,	6.8	32
6	CoTe nanoparticle-embedded N-doped hollow carbon polyhedron: an efficient catalyst for H <sub>2</sub> O <sub>2</sub> electrosynthesis in acidic media. <i>Journal of Materials Chemistry A</i> ,	13	9
5	Enhancing electrocatalytic N <sub>2</sub> -to-NH <sub>3</sub> fixation by suppressing hydrogen evolution with alkylthiols modified Fe <sub>3</sub> P nanoarrays. <i>Nano Research</i> ,1	10	28



4	High-Performance Electrochemical NO Reduction into NH <sub>3</sub> by MoS <sub>2</sub> Nanosheet. <i>Angewandte Chemie</i> ,	3.6	8
3	A Ni-MOF nanosheet array for efficient oxygen evolution electrocatalysis in alkaline media. <i>Inorganic Chemistry Frontiers</i> ,	6.8	46
2	Bi nanoparticles/carbon nanosheet composite: A high-efficiency electrocatalyst for NO reduction to NH <sub>3</sub> . <i>Nano Research</i> ,1	10	3
1	Conductive Two-Dimensional Magnesium Metal-Organic Frameworks for High-Efficiency O <sub>2</sub> Electroreduction to H <sub>2</sub> O <sub>2</sub> . <i>ACS Catalysis</i> ,6092-6099	13.1	7