Tingshuai Li

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6861171/publications.pdf

Version: 2024-02-01

143 papers	9,207 citations	23567 58 h-index	45317 90 g-index
143 all docs	143 docs citations	143 times ranked	5849 citing authors

#	Article	IF	Citations
1	N-doped carbon nanotubes supported CoSe2 nanoparticles: A highly efficient and stable catalyst for H2O2 electrosynthesis in acidic media. Nano Research, 2022, 15, 304-309.	10.4	90
2	Ambient ammonia production via electrocatalytic nitrite reduction catalyzed by a CoP nanoarray. Nano Research, 2022, 15, 972-977.	10.4	98
3	Enhancing electrocatalytic N2-to-NH3 fixation by suppressing hydrogen evolution with alkylthiols modified Fe3P nanoarrays. Nano Research, 2022, 15, 1039-1046.	10.4	74
4	Ni2P nanosheet array for high-efficiency electrohydrogenation of nitrite to ammonia at ambient conditions. Journal of Colloid and Interface Science, 2022, 606, 1055-1063.	9.4	62
5	CoFe-LDH nanowire arrays on graphite felt: A high-performance oxygen evolution electrocatalyst in alkaline media. Chinese Chemical Letters, 2022, 33, 890-892.	9.0	110
6	Fe(III) grafted MoO3 nanorods for effective electrocatalytic fixation of atmospheric N2 to NH3. International Journal of Hydrogen Energy, 2022, 47, 3550-3555.	7.1	11
7	MnO2 nanoarray with oxygen vacancies: An efficient catalyst for NO electroreduction to NH3 at ambient conditions. Materials Today Physics, 2022, 22, 100586.	6.0	54
8	Recent advances in MoS₂-based materials for electrocatalysis. Chemical Communications, 2022, 58, 2259-2278.	4.1	30
9	Biomass Juncus derived carbon decorated with cobalt nanoparticles enables high-efficiency ammonia electrosynthesis by nitrite reduction. Journal of Materials Chemistry A, 2022, 10, 2842-2848.	10.3	47
10	Bi nanodendrites for highly efficient electrocatalytic NO reduction to NH3 at ambient conditions. Materials Today Physics, 2022, 22, 100611.	6.0	36
11	Highly efficient two-electron electroreduction of oxygen into hydrogen peroxide over Cu-doped TiO2. Nano Research, 2022, 15, 3880-3885.	10.4	38
12	Superior hydrogen evolution electrocatalysis enabled by CoP nanowire array on graphite felt. International Journal of Hydrogen Energy, 2022, 47, 3580-3586.	7.1	101
13	Iron-doped cobalt oxide nanoarray for efficient electrocatalytic nitrate-to-ammonia conversion. Journal of Colloid and Interface Science, 2022, 615, 636-642.	9.4	67
14	Enhanced electrocatalytic performance of TiO₂ nanoparticles by Pd doping toward ammonia synthesis under ambient conditions. Chemical Communications, 2022, 58, 3214-3217.	4.1	9
15	Ambient Ammonia Synthesis via Electrochemical Reduction of Nitrate Enabled by NiCo₂O₄ Nanowire Array. Small, 2022, 18, e2106961.	10.0	171
16	High-efficiency ammonia electrosynthesis on self-supported Co2AlO4 nanoarray in neutral media by selective reduction of nitrate. Chemical Engineering Journal, 2022, 435, 135104.	12.7	71
17	In situ grown Fe3O4 particle on stainless steel: A highly efficient electrocatalyst for nitrate reduction to ammonia. Nano Research, 2022, 15, 3050-3055.	10.4	108
18	A 3D FeOOH nanotube array: an efficient catalyst for ammonia electrosynthesis by nitrite reduction. Chemical Communications, 2022, 58, 5160-5163.	4.1	20

#	Article	IF	Citations
19	Ambient electrochemical N₂-to-NH₃ conversion catalyzed by TiO₂ decorated juncus effusus-derived carbon microtubes. Inorganic Chemistry Frontiers, 2022, 9, 1514-1519.	6.0	100
20	Bi nanoparticles/carbon nanosheet composite: A high-efficiency electrocatalyst for NO reduction to NH3. Nano Research, 2022, 15, 5032-5037.	10.4	32
21	Electrodeposition of Amorphous Feâ^'P Shell on Co(OH)F Nanowire Arrays for Boosting Oxygen Evolution Electrocatalysis in Alkaline Media. ChemNanoMat, 2022, 8, .	2.8	3
22	Generation and regulation of electromagnetic pulses induced by hybrid laser pulses interacting with solid targets. Nuclear Fusion, 2022, 62, 066006.	3.5	4
23	Amorphous Boron Carbide on Titanium Dioxide Nanobelt Arrays for Highâ€Efficiency Electrocatalytic NO Reduction to NH₃. Angewandte Chemie - International Edition, 2022, 61, .	13.8	121
24	High-Performance Electrochemical Nitrate Reduction to Ammonia under Ambient Conditions Using a FeOOH Nanorod Catalyst. ACS Applied Materials & Interfaces, 2022, 14, 17312-17318.	8.0	58
25	CoO nanoparticle decorated N-doped carbon nanotubes: a high-efficiency catalyst for nitrate reduction to ammonia. Chemical Communications, 2022, 58, 5901-5904.	4.1	28
26	Conductive Two-Dimensional Magnesium Metalâ€"Organic Frameworks for High-Efficiency O₂ Electroreduction to H₂O₂. ACS Catalysis, 2022, 12, 6092-6099.	11.2	78
27	Enhancing Electrocatalytic NO Reduction to NH₃ by the CoS Nanosheet with Sulfur Vacancies. Inorganic Chemistry, 2022, 61, 8096-8102.	4.0	26
28	Intense Electromagnetic Pulses Generated From kJ-Laser Interacting With Hohlraum Targets. IEEE Transactions on Nuclear Science, 2022, 69, 2027-2036.	2.0	2
29	ZrO₂/C Nanosphere Enables Highâ€Efficiency Nitrogen Reduction to Ammonia at Ambient Conditions. ChemCatChem, 2022, 14, .	3.7	3
30	Recent Advances in 1D Electrospun Nanocatalysts for Electrochemical Water Splitting. Small Structures, 2021, 2, 2000048.	12.0	157
31	Recent advances in lithium-based batteries using metal organic frameworks as electrode materials. Electrochemistry Communications, 2021, 122, 106881.	4.7	75
32	Commercial indium-tin oxide glass: A catalyst electrode for efficient N2 reduction at ambient conditions. Chinese Journal of Catalysis, 2021, 42, 1024-1029.	14.0	59
33	Electrospun zirconia nanofibers for enhancing the electrochemical synthesis of ammonia by artificial nitrogen fixation. Journal of Materials Chemistry A, 2021, 9, 2145-2151.	10.3	44
34	A magnetron sputtered Mo₃Si thin film: an efficient electrocatalyst for N₂ reduction under ambient conditions. Journal of Materials Chemistry A, 2021, 9, 884-888.	10.3	72
35	Iron-group electrocatalysts for ambient nitrogen reduction reaction in aqueous media. Nano Research, 2021, 14, 555-569.	10.4	137
36	Magnetron sputtering enabled sustainable synthesis of nanomaterials for energy electrocatalysis. Green Chemistry, 2021, 23, 2834-2867.	9.0	96

#	Article	IF	Citations
37	Analysis of Thermal Stress in a Solid Oxide Fuel Cell Due to the Sulfur Poisoning Interface of the Electrolyte and Cathode. Energy & Fuels, 2021, 35, 2674-2682.	5.1	6
38	Practical strategies for enhanced performance of anode materials in Na⁺/K⁺-ion batteries. Journal of Materials Chemistry A, 2021, 9, 7317-7335.	10.3	41
39	CuS concave polyhedral superstructures enabled efficient N₂ electroreduction to NH₃ at ambient conditions. Inorganic Chemistry Frontiers, 2021, 8, 3105-3110.	6.0	54
40	CoTe nanoparticle-embedded N-doped hollow carbon polyhedron: an efficient catalyst for H₂O₂ electrosynthesis in acidic media. Journal of Materials Chemistry A, 2021, 9, 21703-21707.	10.3	29
41	High-efficiency nitrate electroreduction to ammonia on electrodeposited cobaltâ€“phosphorus alloy film. Chemical Communications, 2021, 57, 9720-9723.	4.1	58
42	Cu2Sb decorated Cu nanowire arrays for selective electrocatalytic CO2 to CO conversion. Nano Research, 2021, 14, 2831-2836.	10.4	62
43	Progress and perspective of metal phosphide/carbon heterostructure anodes for rechargeable ion batteries. Journal of Materials Chemistry A, 2021, 9, 11879-11907.	10.3	102
44	Iron-Doped MoO₃ Nanosheets for Boosting Nitrogen Fixation to Ammonia at Ambient Conditions. ACS Applied Materials & Interfaces, 2021, 13, 7142-7151.	8.0	21
45	Highly Efficient Na+ Storage in Uniform Thorn Ball-Like Î±-MnSe/C Nanospheres. Acta Metallurgica Sinica (English Letters), 2021, 34, 373-382.	2.9	10
46	Anodic oxidation for the degradation of organic pollutants: Anode materials, operating conditions and mechanisms. A mini review. Electrochemistry Communications, 2021, 123, 106912.	4.7	125
47	Numerical simulation of solid oxide fuel cells comparing different electrochemical kinetics. International Journal of Energy Research, 2021, 45, 12980-12995.	4.5	16
48	Recent Advances in Nonprecious Metal Oxide Electrocatalysts and Photocatalysts for N₂ Reduction Reaction under Ambient Condition. Small Science, 2021, 1, 2000069.	9.9	63
49	2D Vanadium Carbide (MXene) for Electrochemical Synthesis of Ammonia Under Ambient Conditions. Catalysis Letters, 2021, 151, 3516-3522.	2.6	23
50	Honeycomb Carbon Nanofibers: A Superhydrophilic O₂â€Entrapping Electrocatalyst Enables Ultrahigh Mass Activity for the Twoâ€Electron Oxygen Reduction Reaction. Angewandte Chemie, 2021, 133, 10677-10681.	2.0	26
51	Honeycomb Carbon Nanofibers: A Superhydrophilic O₂â€Entrapping Electrocatalyst Enables Ultrahigh Mass Activity for the Twoâ€Electron Oxygen Reduction Reaction. Angewandte Chemie - International Edition, 2021, 60, 10583-10587.	13.8	219
52	Zinc doped Fe2O3 for boosting Electrocatalytic Nitrogen Fixation to ammonia under mild conditions. International Journal of Hydrogen Energy, 2021, 46, 14331-14337.	7.1	14
53	TiB2 thin film enabled efficient NH3 electrosynthesis at ambient conditions. Materials Today Physics, 2021, 18, 100396.	6.0	55
54	Coâ€MOF Nanosheet Arrays for Efficient Alkaline Oxygen Evolution Electrocatalysis. ChemNanoMat, 2021, 7, 906-909.	2.8	39

#	Article	IF	Citations
55	Ag@TiO 2 as an Efficient Electrocatalyst for N 2 Fixation to NH 3 under Ambient Conditions. ChemistrySelect, 2021, 6, 5271-5274.	1.5	3
56	Facile electrochemical fabrication of magnetic Fe3O4 for electrocatalytic synthesis of ammonia used for hydrogen storage application. International Journal of Hydrogen Energy, 2021, 46, 24128-24134.	7.1	14
57	Simulation of a Flat-Tube Solid Oxide Fuel Cell with Symmetric Double-Sided Cathode Considering Different Fuel Compositions. ECS Meeting Abstracts, 2021, MA2021-03, 288-288.	0.0	0
58	Enhanced Electrochemical H₂O₂ Production via Two-Electron Oxygen Reduction Enabled by Surface-Derived Amorphous Oxygen-Deficient TiO_{2â€“x}. ACS Applied Materials & Interfaces, 2021, 13, 33182-33187.	8.0	67
59	A-Asterisk Algorithm as an Alternative to Evaluate the Geometric Tortuosity in Digitally Created SOFC Anodes. ECS Meeting Abstracts, 2021, MA2021-03, 113-113.	0.0	0
60	A-Asterisk Algorithm as an Alternative to Evaluate the Geometric Tortuosity in Digitally Created SOFC Anodes. ECS Transactions, 2021, 103, 1665-1671.	0.5	1
61	Bilateral Interfaces in In₂Se₃-CoIn₂-CoSe₂ Heterostructures for High-Rate Reversible Sodium Storage. ACS Nano, 2021, 15, 13307-13318.	14.6	99
62	Monodisperse Cu Cluster-Loaded Defective ZrO₂ Nanofibers for Ambient N₂ Fixation to NH₃. ACS Applied Materials & Interfaces, 2021, 13, 40724-40730.	8.0	13
63	NiFe Layered-Double-Hydroxide Nanosheet Arrays on Graphite Felt: A 3D Electrocatalyst for Highly Efficient Water Oxidation in Alkaline Media. Inorganic Chemistry, 2021, 60, 12703-12708.	4.0	95
64	Highâ€Performance Electrochemical NO Reduction into NH₃ by MoS₂ Nanosheet. Angewandte Chemie, 2021, 133, 25467-25472.	2.0	102
65	Parametric study for electrode microstructure influence on SOFC performance. International Journal of Hydrogen Energy, 2021, 46, 37440-37459.	7.1	16
66	Spatial and temporal evolution of electromagnetic pulses generated at Shenguang-II series laser facilities. Plasma Science and Technology, 2021, 23, 115202.	1.5	5
67	Greatly Facilitated Two-Electron Electroreduction of Oxygen into Hydrogen Peroxide over TiO₂ by Mn Doping. ACS Applied Materials & Interfaces, 2021, 13, 46659-46664.	8.0	46
68	Highâ€Performance Electrochemical NO Reduction into NH₃ by MoS₂ Nanosheet. Angewandte Chemie - International Edition, 2021, 60, 25263-25268.	13.8	180
69	La-doped TiO2 nanorods toward boosted electrocatalytic N2-to-NH3 conversion at ambient conditions. Chinese Journal of Catalysis, 2021, 42, 1755-1762.	14.0	35
70	Recent advances in strategies for highly selective electrocatalytic N2 reduction toward ambient NH3 synthesis. Current Opinion in Electrochemistry, 2021, 29, 100766.	4.8	147
71	An amorphous WC thin film enabled high-efficiency N₂ reduction electrocatalysis under ambient conditions. Chemical Communications, 2021, 57, 7806-7809.	4.1	50
72	Recent Progress in Electrocatalytic Methanation of CO₂ at Ambient Conditions. Advanced Functional Materials, 2021, 31, 2009449.	14.9	92

#	Article	IF	Citations
73	Constructing a hollow microflower-like ZnS/CuS@C heterojunction as an effective ion-transport booster for an ultrastable and high-rate sodium storage anode. Journal of Materials Chemistry A, 2021, 9, 6402-6412.	10.3	110
74	High-efficiency electrochemical nitrite reduction to ammonium using a Cu₃P nanowire array under ambient conditions. Green Chemistry, 2021, 23, 5487-5493.	9.0	73
75	YF₃: a nanoflower-like catalyst for efficient nitrogen fixation to ammonia under ambient conditions. Catalysis Science and Technology, 2021, 11, 6750-6754.	4.1	4
76	A Ni-MOF nanosheet array for efficient oxygen evolution electrocatalysis in alkaline media. Inorganic Chemistry Frontiers, 2021, 8, 3007-3011.	6.0	143
77	Alkylthiol surface engineering: an effective strategy toward enhanced electrocatalytic N₂-to-NH₃ fixation by a CoP nanoarray. Journal of Materials Chemistry A, 2021, 9, 13861-13866.	10.3	83
78	Electrocatalytic hydrogen peroxide production in acidic media enabled by NiS₂ nanosheets. Journal of Materials Chemistry A, 2021, 9, 6117-6122.	10.3	102
79	Electrocatalytic H₂O₂ production via two-electron O₂ reduction by Mo-doped TiO₂ nanocrystallines. Catalysis Science and Technology, 2021, 11, 6970-6974.	4.1	4
80	High-efficiency electrohydrogenation of nitric oxide to ammonia on a Ni₂P nanoarray under ambient conditions. Journal of Materials Chemistry A, 2021, 9, 24268-24275.	10.3	68
81	Plasma-induced defective TiO2-x with oxygen vacancies: A high-active and robust bifunctional catalyst toward H2O2 electrosynthesis. Chem Catalysis, 2021, 1, 1437-1448.	6.1	68
82	Functional integration of hierarchical coreâ€“shell architectures via vertically arrayed ultrathin CuSe nanosheets decorated on hollow CuS microcages targeting highly effective sodium-ion storage. Journal of Materials Chemistry A, 2021, 9, 27615-27628.	10.3	56
83	Electrochemical two-electron O₂ reduction reaction toward H₂O₂ production: using cobalt porphyrin decorated carbon nanotubes as a nanohybrid catalyst. Journal of Materials Chemistry A, 2021, 9, 26019-26027.	10.3	55
84	High-performance NH₃ production via NO electroreduction over a NiO nanosheet array. Chemical Communications, 2021, 57, 13562-13565.	4.1	51
85	Electrochemical Synthesis of Ammonia Based on a Perovskite LaCrO 3 Catalyst. ChemCatChem, 2020, 12, 731-735.	3.7	22
86	Dynamic modelling and controlling strategy of polymer electrolyte fuel cells. International Journal of Hydrogen Energy, 2020, 45, 29718-29729.	7.1	25
87	Effective electromagnetic shielding with multi-layer structure material on Shenguang laser facility. Plasma Science and Technology, 2020, 22, 025601.	1.5	5
88	Bioinspired Electrocatalyst for Electrochemical Reduction of N₂ to NH₃ in Ambient Conditions. ACS Applied Materials & Interfaces, 2020, 12, 2445-2451.	8.0	39
89	DyF₃: An Efficient Electrocatalyst for N₂ Fixation to NH₃ under Ambient Conditions. Chemistry - an Asian Journal, 2020, 15, 487-489.	3.3	36
90	Diffusion parameter correlations for PEFC gas diffusion layers considering the presence of a water-droplet. International Journal of Hydrogen Energy, 2020, 45, 29824-29831.	7.1	9

#	Article	IF	Citations
91	Noble-metal-free electrospun nanomaterials as electrocatalysts for oxygen reduction reaction. Materials Today Physics, 2020, 15, 100280.	6.0	67
92	Thermal stress analysis at the interface of cathode and electrolyte in solid oxide fuel cells. International Communications in Heat and Mass Transfer, 2020, 118, 104831.	5.6	11
93	Metal-based electrocatalytic conversion of CO₂ to formic acid/formate. Journal of Materials Chemistry A, 2020, 8, 21947-21960.	10.3	125
94	Electrochemical non-enzymatic glucose sensors: recent progress and perspectives. Chemical Communications, 2020, 56, 14553-14569.	4.1	235
95	Enhanced electrocatalytic N₂-to-NH₃ fixation by ZrS₂ nanofibers with a sulfur vacancy. Chemical Communications, 2020, 56, 14031-14034.	4.1	25
96	A Detailed Analysis of Internal Resistance of a PEFC Comparing High and Low Humidification of the Reactant Gases. Frontiers in Energy Research, 2020, 8, .	2.3	16
97	Magnetron sputtering enabled synthesis of nanostructured materials for electrochemical energy storage. Journal of Materials Chemistry A, 2020, 8, 20260-20285.	10.3	25
98	Iron-based phosphides as electrocatalysts for the hydrogen evolution reaction: recent advances and future prospects. Journal of Materials Chemistry A, 2020, 8, 19729-19745.	10.3	295
99	Seï£¿C Bonding Promoting Fast and Durable Na⁺ Storage in Yolkâ€“Shell SnSe₂@Seï£¿C. Small, 2020, 16, e2002486.	10.0	97
100	Lewis acid/base approach for efficacious defect passivation in perovskite solar cells. Journal of Materials Chemistry A, 2020, 8, 12201-12225.	10.3	149
101	Coordination modulated crystallization and defect passivation in high quality perovskite film for efficient solar cells. Coordination Chemistry Reviews, 2020, 420, 213408.	18.8	51
102	Vacancy defect modulation in hot-casted NiO film for efficient inverted planar perovskite solar cells. Journal of Energy Chemistry, 2020, 48, 426-434.	12.9	44
103	Recent advances in electrospun nanofibers for supercapacitors. Journal of Materials Chemistry A, 2020, 8, 16747-16789.	10.3	166
104	Analysis of electromagnetic pulses generation from laser coupling with polymer targets: Effect of metal content in target. Matter and Radiation at Extremes, 2020, 5, .	3.9	12
105	Temperature control strategy for polymer electrolyte fuel cells. International Journal of Energy Research, 2020, 44, 4352-4365.	4.5	8
106	Precise control of PbI2 excess into grain boundary for efficacious charge extraction in off-stoichiometric perovskite solar cells. Electrochimica Acta, 2020, 338, 135697.	5.2	25
107	Enhancing electromagnetic radiations by a pre-ablation laser during laser interaction with solid target. Physics of Plasmas, 2020, 27, .	1.9	9
108	Ionic liquids engineering for high-efficiency and stable perovskite solar cells. Chemical Engineering Journal, 2020, 398, 125594.	12.7	85

#	Article	IF	Citations
109	Recent Progress in Metal-Free Electrocatalysts toward Ambient N2 Reduction Reaction. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2020, .	4.9	29
110	Simulation of a Double-Sided Cathode SOFC Comparing Different Electrochemical Reaction Kinetics. ECS Meeting Abstracts, 2020, MA2020-02, 2504-2504.	0.0	0
111	Methylamine-induced defect-healing and cationic substitution: a new method for low-defect perovskite thin films and solar cells. Journal of Materials Chemistry C, 2019, 7, 10724-10742.	5.5	49
112	Electrospun TiC/C nanofibers for ambient electrocatalytic N₂ reduction. Journal of Materials Chemistry A, 2019, 7, 19657-19661.	10.3	48
113	Low-cost coenzyme Q10 as an efficient electron transport layer for inverted perovskite solar cells. Journal of Materials Chemistry A, 2019, 7, 18626-18633.	10.3	33
114	Cr₃C₂ Nanoparticle-Embedded Carbon Nanofiber for Artificial Synthesis of NH₃ through N₂ Fixation under Ambient Conditions. ACS Applied Materials & Interfaces, 2019, 11, 35764-35769.	8.0	43
115	Off-Stoichiometric Methylammonium Iodide Passivated Large-Grain Perovskite Film in Ambient Air for Efficient Inverted Solar Cells. ACS Applied Materials & Interfaces, 2019, 11, 39882-39889.	8.0	50
116	Electrochemical synthesis of ammonia by zirconia-based catalysts at ambient conditions. Applied Catalysis A: General, 2019, 581, 116-122.	4.3	38
117	Boosting electrocatalytic N₂ reduction by MnO₂ with oxygen vacancies. Chemical Communications, 2019, 55, 4627-4630.	4.1	113
118	Defect-rich fluorographene nanosheets for artificial N₂ fixation under ambient conditions. Chemical Communications, 2019, 55, 4266-4269.	4.1	105
119	Mn3O4 nanoparticles@reduced graphene oxide composite: An efficient electrocatalyst for artificial N2 fixation to NH3 at ambient conditions. Nano Research, 2019, 12, 1093-1098.	10.4	93
120	Electrocatalytic N₂-to-NH₃ conversion with high faradaic efficiency enabled using a Bi nanosheet array. Chemical Communications, 2019, 55, 5263-5266.	4.1	95
121	Recent Advances in the Development of Water Oxidation Electrocatalysts at Mild pH. Small, 2019, 15, e1805103.	10.0	206
122	Emerging alkali metal ion (Li⁺, Na⁺, K⁺ and Rb⁺) doped perovskite films for efficient solar cells: recent advances and prospects. Journal of Materials Chemistry A, 2019, 7, 24150-24163.	10.3	116
123	Sâ€Doped Carbon Nanospheres: An Efficient Electrocatalyst toward Artificial N₂ Fixation to NH₃. Small Methods, 2019, 3, 1800251.	8.6	165
124	Electrocatalytic N₂ Fixation over Hollow VO₂ Microspheres at Ambient Conditions. ChemElectroChem, 2019, 6, 1014-1018.	3.4	59
125	A Biomassâ€Derived Carbonâ€Based Electrocatalyst for Efficient N₂ Fixation to NH₃ under Ambient Conditions. Chemistry - A European Journal, 2019, 25, 1914-1917.	3.3	68
126	Thermal stress analysis of sulfur deactivated solid oxide fuel cells. Journal of Power Sources, 2018, 379, 134-143.	7.8	27

#	Article	IF	Citations
127	Mechanism of chromium poisoning the conventional cathode material for solid oxide fuel cells. Journal of Power Sources, 2018, 381, 26-29.	7.8	28
128	Effect of the Electrochemical Active Site on Thermal Stress in Solid Oxide Fuel Cells. Journal of the Electrochemical Society, 2018, 165, F105-F113.	2.9	9
129	Electromagnetic radiations from laser interaction with gas-filled Hohlraum. Laser Physics Letters, 2018, 15, 016101.	1.4	9
130	Ambient NH₃ synthesis via electrochemical reduction of N₂ over cubic sub-micron SnO₂ particles. Chemical Communications, 2018, 54, 12966-12969.	4.1	138
131	Thermal Stress Analysis of Solid Oxide Fuel Cells with Chromium Poisoning Cathodes. Journal of the Electrochemical Society, 2018, 165, F1224-F1231.	2.9	7
132	Boosted Electrocatalytic N₂ Reduction to NH₃ by Defectâ€Rich MoS₂ Nanoflower. Advanced Energy Materials, 2018, 8, 1801357.	19.5	482
133	TiO₂ nanoparticlesâ€“reduced graphene oxide hybrid: an efficient and durable electrocatalyst toward artificial N₂ fixation to NH₃ under ambient conditions. Journal of Materials Chemistry A, 2018, 6, 17303-17306.	10.3	165
134	High-Performance Electrohydrogenation of N₂ to NH₃ Catalyzed by Multishelled Hollow Cr₂O₃ Microspheres under Ambient Conditions. ACS Catalysis, 2018, 8, 8540-8544.	11.2	280
135	Random laser action from ceramic-doped polymer films. Journal of Modern Optics, 2017, 64, 1289-1297.	1.3	8
136	Thermal stress analysis of a planar anode-supported solid oxide fuel cell: Effects of anode porosity. International Journal of Hydrogen Energy, 2017, 42, 20239-20248.	7.1	30
137	Solid oxide fuel cell interconnect design optimization considering the thermal stresses. Science Bulletin, 2016, 61, 1333-1344.	9.0	50
138	Investigation into the electromagnetic impulses from long-pulse laser illuminating solid targets inside a laser facility. Photonic Sensors, 2016, 6, 249-255.	5.0	8
139	Characterization of a quasi-sinusoidal transmission grating without membrane substrate in the 200â€“1500 eV photon energy regions. Journal of Modern Optics, 2016, 63, 261-268.	1.3	1
140	Modeling Validation and Simulation of an Anode Supported SOFC Including Mass and Heat Transport, Fluid Flow and Chemical Reactions. , 2011, , .		2
141	The Mechanism of H[sub 2]S Poisoning Ni/YSZ Electrode Studied by Impedance Spectroscopy. Electrochemical and Solid-State Letters, 2011, 14, B35.	2.2	13
142	Random laser action from a natural flexible biomembrane-based device. Journal of Modern Optics, 0, , 1-6.	1.3	16
143	Amorphous Boron Carbide on Titanium Dioxide Nanobelt Arrays for Highâ€Efficiency Electrocatalytic NO Reduction to NH ₃. Angewandte Chemie, 0, , .	2.0	6