Tingshuai Li

List of Publications by Year
in descending order

159 papers	10,397 citations	17587 60 h-index	31960 96 g-index
159 all docs	159 docs citations	159 times ranked	7905 citing authors

#	Article	IF	Citations
1	Boosted Electrocatalytic N₂ Reduction to NH₃ by Defectâ€Rich MoS₂ Nanoflower. Advanced Energy Materials, 2018, 8, 1801357.	21.5	508
2	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	318
3	High-Performance Electrohydrogenation of N₂ to NH₃ Catalyzed by Multishelled Hollow Cr₂O₃ Microspheres under Ambient Conditions. ACS Catalysis, 2018, 8, 8540-8544.	11.3	291
4	Electrochemical non-enzymatic glucose sensors: recent progress and perspectives. Chemical Communications, 2020, 56, 14553-14569.	4.1	272
5	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.	14.2	250
6	Highâ€Performance Electrochemical NO Reduction into NH₃ by MoS₂ Nanosheet. Angewandte Chemie - International Edition, 2021, 60, 25263-25268.	14.2	216
7	Recent Advances in the Development of Water Oxidation Electrocatalysts at Mild pH. Small, 2019, 15, e1805103.	10.9	214
8	Ambient Ammonia Synthesis via Electrochemical Reduction of Nitrate Enabled by NiCo₂O₄ Nanowire Array. Small, 2022, 18, e2106961.	10.9	195
9	Recent advances in electrospun nanofibers for supercapacitors. Journal of Materials Chemistry A, 2020, 8, 16747-16789.	10.3	184
10	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	171
11	Sâ€Doped Carbon Nanospheres: An Efficient Electrocatalyst toward Artificial N₂ Fixation to NH₃. Small Methods, 2019, 3, 1800251.	9.3	170
12	Lewis acid/base approach for efficacious defect passivation in perovskite solar cells. Journal of Materials Chemistry A, 2020, 8, 12201-12225.	10.3	170
13	Recent Advances in 1D Electrospun Nanocatalysts for Electrochemical Water Splitting. Small Structures, 2021, 2, 2000048.	12.9	168
14	Recent advances in strategies for highly selective electrocatalytic N2 reduction toward ambient NH3 synthesis. Current Opinion in Electrochemistry, 2021, 29, 100766.	5.1	158
15	A Ni-MOF nanosheet array for efficient oxygen evolution electrocatalysis in alkaline media. Inorganic Chemistry Frontiers, 2021, 8, 3007-3011.	5.9	158
16	Anodic oxidation for the degradation of organic pollutants: Anode materials, operating conditions and mechanisms. A mini review. Electrochemistry Communications, 2021, 123, 106912.	4.6	157
17	Iron-group electrocatalysts for ambient nitrogen reduction reaction in aqueous media. Nano Research, 2021, 14, 555-569.	10.3	144
18	Ambient NH₃ synthesis via electrochemical reduction of N₂ over cubic sub-micron SnO₂ particles. Chemical Communications, 2018, 54, 12966-12969.	4.1	143

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19	Amorphous Boron Carbide on Titanium Dioxide Nanobelt Arrays for Highâ€Efficiency Electrocatalytic NO Reduction to NH₃. Angewandte Chemie - International Edition, 2022, 61, .	14.2	141
20	Metal-based electrocatalytic conversion of CO₂ to formic acid/formate. Journal of Materials Chemistry A, 2020, 8, 21947-21960.	10.3	138
21	Highâ€Performance Electrochemical NO Reduction into NH₃ by MoS₂ Nanosheet. Angewandte Chemie, 2021, 133, 25467-25472.	2.1	134
22	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	130
23	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	124
24	In situ grown Fe3O4 particle on stainless steel: A highly efficient electrocatalyst for nitrate reduction to ammonia. Nano Research, 2022, 15, 3050-3055.	10.3	121
25	CoFe-LDH nanowire arrays on graphite felt: A high-performance oxygen evolution electrocatalyst in alkaline media. Chinese Chemical Letters, 2022, 33, 890-892.	8.9	119
26	Boosting electrocatalytic N₂ reduction by MnO₂ with oxygen vacancies. Chemical Communications, 2019, 55, 4627-4630.	4.1	118
27	Progress and perspective of metal phosphide/carbon heterostructure anodes for rechargeable ion batteries. Journal of Materials Chemistry A, 2021, 9, 11879-11907.	10.3	117
28	Ambient ammonia production via electrocatalytic nitrite reduction catalyzed by a CoP nanoarray. Nano Research, 2022, 15, 972-977.	10.3	115
29	Bilateral Interfaces in In₂Se₃-CoIn₂-CoSe₂ Heterostructures for High-Rate Reversible Sodium Storage. ACS Nano, 2021, 15, 13307-13318.	14.9	114
30	Ambient electrochemical N₂-to-NH₃ conversion catalyzed by TiO₂ decorated juncus effusus-derived carbon microtubes. Inorganic Chemistry Frontiers, 2022, 9, 1514-1519.	5.9	112
31	Seï£¿C Bonding Promoting Fast and Durable Na⁺ Storage in Yolkâ€“Shell SnSe₂@Seï£¿C. Small, 2020, 16, e2002486.	10.9	108
32	Magnetron sputtering enabled sustainable synthesis of nanomaterials for energy electrocatalysis. Green Chemistry, 2021, 23, 2834-2867.	9.1	108
33	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.	10.3	108
34	Electrocatalytic hydrogen peroxide production in acidic media enabled by NiS₂ nanosheets. Journal of Materials Chemistry A, 2021, 9, 6117-6122.	10.3	108
35	Superior hydrogen evolution electrocatalysis enabled by CoP nanowire array on graphite felt. International Journal of Hydrogen Energy, 2022, 47, 3580-3586.	7.1	108
36	Defect-rich fluorographene nanosheets for artificial N₂ fixation under ambient conditions. Chemical Communications, 2019, 55, 4266-4269.	4.1	107

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37	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.	4.1	103
38	Electrocatalytic N₂-to-NH₃ conversion with high faradaic efficiency enabled using a Bi nanosheet array. Chemical Communications, 2019, 55, 5263-5266.	4.1	102
39	Recent Progress in Electrocatalytic Methanation of CO₂ at Ambient Conditions. Advanced Functional Materials, 2021, 31, 2009449.	16.0	101
40	Conductive Two-Dimensional Magnesium Metalâ€“Organic Frameworks for High-Efficiency O₂ Electroreduction to H₂O₂. ACS Catalysis, 2022, 12, 6092-6099.	11.3	101
41	Mn3O4 nanoparticles@reduced graphene oxide composite: An efficient electrocatalyst for artificial N2 fixation to NH3 at ambient conditions. Nano Research, 2019, 12, 1093-1098.	10.3	97
42	Ionic liquids engineering for high-efficiency and stable perovskite solar cells. Chemical Engineering Journal, 2020, 398, 125594.	12.7	93
43	High-efficiency electrochemical nitrite reduction to ammonium using a Cu₃P nanowire array under ambient conditions. Green Chemistry, 2021, 23, 5487-5493.	9.1	91
44	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	89
45	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	84
46	Recent advances in lithium-based batteries using metal organic frameworks as electrode materials. Electrochemistry Communications, 2021, 122, 106881.	4.6	83
47	Iron-doped cobalt oxide nanoarray for efficient electrocatalytic nitrate-to-ammonia conversion. Journal of Colloid and Interface Science, 2022, 615, 636-642.	9.5	83
48	Plasma-induced defective TiO2-x with oxygen vacancies: A high-active and robust bifunctional catalyst toward H2O2 electrosynthesis. Chem Catalysis, 2021, 1, 1437-1448.	6.2	82
49	Enhancing electrocatalytic N2-to-NH3 fixation by suppressing hydrogen evolution with alkylthiols modified Fe3P nanoarrays. Nano Research, 2022, 15, 1039-1046.	10.3	80
50	Cu2Sb decorated Cu nanowire arrays for selective electrocatalytic CO2 to CO conversion. Nano Research, 2021, 14, 2831-2836.	10.3	78
51	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.	8.1	74
52	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	73
53	A Biomassâ€Derived Carbonâ€Based Electrocatalyst for Efficient N₂ Fixation to NH₃ under Ambient Conditions. Chemistry - A European Journal, 2019, 25, 1914-1917.	3.8	72
54	Ni2P nanosheet array for high-efficiency electrohydrogenation of nitrite to ammonia at ambient conditions. Journal of Colloid and Interface Science, 2022, 606, 1055-1063.	9.5	72

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55	Durable Electrocatalytic Reduction of Nitrate to Ammonia over Defective Pseudobrookite Fe₂TiO₅Nanofibers with Abundant Oxygen Vacancies. Angewandte Chemie - International Edition, 2023, 62, .	14.2	72
56	Recent Advances in Nonprecious Metal Oxide Electrocatalysts and Photocatalysts for N₂ Reduction Reaction under Ambient Condition. Small Science, 2021, 1, 2000069.	10.4	71
57	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	71
58	High-Performance Electrochemical Nitrate Reduction to Ammonia under Ambient Conditions Using a FeOOH Nanorod Catalyst. ACS Applied Materials & Interfaces, 2022, 14, 17312-17318.	8.1	69
59	Noble-metal-free electrospun nanomaterials as electrocatalysts for oxygen reduction reaction. Materials Today Physics, 2020, 15, 100280.	6.1	67
60	High-efficiency nitrate electroreduction to ammonia on electrodeposited cobaltâ€“phosphorus alloy film. Chemical Communications, 2021, 57, 9720-9723.	4.1	65
61	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	65
62	Electrocatalytic N₂ Fixation over Hollow VO₂ Microspheres at Ambient Conditions. ChemElectroChem, 2019, 6, 1014-1018.	3.4	61
63	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	61
64	Commercial indium-tin oxide glass: A catalyst electrode for efficient N2 reduction at ambient conditions. Chinese Journal of Catalysis, 2021, 42, 1024-1029.	14.2	60
65	Coordination modulated crystallization and defect passivation in high quality perovskite film for efficient solar cells. Coordination Chemistry Reviews, 2020, 420, 213408.	19.2	58
66	CuS concave polyhedral superstructures enabled efficient N₂ electroreduction to NH₃ at ambient conditions. Inorganic Chemistry Frontiers, 2021, 8, 3105-3110.	5.9	58
67	MnO2 nanoarray with oxygen vacancies: An efficient catalyst for NO electroreduction to NH3 at ambient conditions. Materials Today Physics, 2022, 22, 100586.	6.1	58
68	High-performance NH₃ production via NO electroreduction over a NiO nanosheet array. Chemical Communications, 2021, 57, 13562-13565.	4.1	58
69	TiB2 thin film enabled efficient NH3 electrosynthesis at ambient conditions. Materials Today Physics, 2021, 18, 100396.	6.1	57
70	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	54
71	Solid oxide fuel cell interconnect design optimization considering the thermal stresses. Science Bulletin, 2016, 61, 1333-1344.	10.8	53
72	Electrospun TiC/C nanofibers for ambient electrocatalytic N₂ reduction. Journal of Materials Chemistry A, 2019, 7, 19657-19661.	10.3	52

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73	Practical strategies for enhanced performance of anode materials in Na⁺/K⁺-ion batteries. Journal of Materials Chemistry A, 2021, 9, 7317-7335.	10.3	52
74	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.	8.1	51
75	Greatly Facilitated Two-Electron Electroreduction of Oxygen into Hydrogen Peroxide over TiO₂ by Mn Doping. ACS Applied Materials & Interfaces, 2021, 13, 46659-46664.	8.1	50
76	An amorphous WC thin film enabled high-efficiency N₂ reduction electrocatalysis under ambient conditions. Chemical Communications, 2021, 57, 7806-7809.	4.1	50
77	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.	5.4	49
78	Vacancy defect modulation in hot-casted NiO film for efficient inverted planar perovskite solar cells. Journal of Energy Chemistry, 2020, 48, 426-434.	13.1	49
79	Decentralized state estimation of combined heat and power systems using the asynchronous alternating direction method of multipliers. Applied Energy, 2019, 248, 600-613.	10.2	47
80	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	46
81	Cr₃C₂ Nanoparticle-Embedded Carbon Nanofiber for Artificial Synthesis of NH₃ through N₂ Fixation under Ambient Conditions. ACS Applied Materials & Interfaces, 2019, 11, 35764-35769.	8.1	45
82	Highly efficient two-electron electroreduction of oxygen into hydrogen peroxide over Cu-doped TiO2. Nano Research, 2022, 15, 3880-3885.	10.3	45
83	Coâ€MOF Nanosheet Arrays for Efficient Alkaline Oxygen Evolution Electrocatalysis. ChemNanoMat, 2021, 7, 906-909.	2.9	41
84	Bioinspired Electrocatalyst for Electrochemical Reduction of N₂ to NH₃ in Ambient Conditions. ACS Applied Materials & Interfaces, 2020, 12, 2445-2451.	8.1	40
85	Bi nanodendrites for highly efficient electrocatalytic NO reduction to NH3 at ambient conditions. Materials Today Physics, 2022, 22, 100611.	6.1	39
86	La-doped TiO2 nanorods toward boosted electrocatalytic N2-to-NH3 conversion at ambient conditions. Chinese Journal of Catalysis, 2021, 42, 1755-1762.	14.2	38
87	Recent advances in MoS₂-based materials for electrocatalysis. Chemical Communications, 2022, 58, 2259-2278.	4.1	38
88	Bi nanoparticles/carbon nanosheet composite: A high-efficiency electrocatalyst for NO reduction to NH3. Nano Research, 2022, 15, 5032-5037.	10.3	37
89	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	36
90	DyF₃: An Efficient Electrocatalyst for N₂ Fixation to NH₃ under Ambient Conditions. Chemistry - an Asian Journal, 2020, 15, 487-489.	3.4	36

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91	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	36
92	Enhancing Electrocatalytic NO Reduction to NH₃ by the CoS Nanosheet with Sulfur Vacancies. Inorganic Chemistry, 2022, 61, 8096-8102.	4.1	34
93	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
94	2D Vanadium Carbide (MXene) for Electrochemical Synthesis of Ammonia Under Ambient Conditions. Catalysis Letters, 2021, 151, 3516-3522.	2.7	32
95	Magnetron sputtering enabled synthesis of nanostructured materials for electrochemical energy storage. Journal of Materials Chemistry A, 2020, 8, 20260-20285.	10.3	31
96	CoO nanoparticle decorated N-doped carbon nanotubes: a high-efficiency catalyst for nitrate reduction to ammonia. Chemical Communications, 2022, 58, 5901-5904.	4.1	31
97	Recent Progress in Metal-Free Electrocatalysts toward Ambient N2 Reduction Reaction. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2020, .	4.8	30
98	Precise control of PbI2 excess into grain boundary for efficacious charge extraction in off-stoichiometric perovskite solar cells. Electrochimica Acta, 2020, 338, 135697.	5.3	29
99	Iron-Doped MoO₃ Nanosheets for Boosting Nitrogen Fixation to Ammonia at Ambient Conditions. ACS Applied Materials & Interfaces, 2021, 13, 7142-7151.	8.1	29
100	Durable Electrocatalytic Reduction of Nitrate to Ammonia over Defective Pseudobrookite Fe₂TiO₅Nanofibers with Abundant Oxygen Vacancies. Angewandte Chemie, 2023, 135, .	2.1	29
101	A 3D FeOOH nanotube array: an efficient catalyst for ammonia electrosynthesis by nitrite reduction. Chemical Communications, 2022, 58, 5160-5163.	4.1	28
102	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.	2.1	27
103	Electrochemical Synthesis of Ammonia Based on a Perovskite LaCrO₃ Catalyst. ChemCatChem, 2020, 12, 731-735.	3.7	25
104	Enhanced electrocatalytic N₂-to-NH₃ fixation by ZrS₂ nanofibers with a sulfur vacancy. Chemical Communications, 2020, 56, 14031-14034.	4.1	25
105	Parametric study for electrode microstructure influence on SOFC performance. International Journal of Hydrogen Energy, 2021, 46, 37440-37459.	7.1	25
106	Revealing the effects of oxygen defects on the electro-catalytic activity of nickel oxide. International Journal of Hydrogen Energy, 2020, 45, 424-432.	7.1	23
107	Greatly enhanced electrochemical nitrate-to-ammonia conversion over an Fe-doped TiO₂nanoribbon array. Green Chemistry, 2022, 24, 7913-7917.	9.1	22
108	Three-dimensional porous Co foam with nanosheets subunits for high-performance electrocatalytic nitrate-to-ammonia conversion. Inorganic Chemistry Frontiers, 2023, 10, 4450-4455.	5.9	21

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109	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	19
110	Co/N-doped carbon nanospheres derived from an adenine-based metal organic framework enabled high-efficiency electrocatalytic nitrate reduction to ammonia. Chemical Communications, 2022, 58, 13459-13462.	4.1	19
111	Statistical analysis of the effect of temperature and inlet humidities on the parameters of a semiempirical model of the internal resistance of a polymer electrolyte membrane fuel cell. Journal of Power Sources, 2018, 381, 84-93.	7.9	18
112	Zinc doped Fe2O3 for boosting Electrocatalytic Nitrogen Fixation to ammonia under mild conditions. International Journal of Hydrogen Energy, 2021, 46, 14331-14337.	7.1	18
113	Numerical simulation of solid oxide fuel cells comparing different electrochemical kinetics. International Journal of Energy Research, 2021, 45, 12980-12995.	4.4	17
114	Efficient electrocatalytic reduction of nitrate to ammonia over fibrous SmCoO₃under ambient conditions. Chemical Communications, 2023, 59, 5697-5700.	4.1	17
115	Random laser action from a natural flexible biomembrane-based device. Journal of Modern Optics, 0, , 1-6.	1.3	16
116	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	15
117	Monodisperse Cu Cluster-Loaded Defective ZrO₂ Nanofibers for Ambient N₂ Fixation to NH₃. ACS Applied Materials & Interfaces, 2021, 13, 40724-40730.	8.1	15
118	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	15
119	Investigation of the effects of SPEEK and its clay composite membranes on the performance of Direct Borohydride Fuel Cell. International Journal of Hydrogen Energy, 2020, 45, 5430-5437.	7.1	14
120	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	14
121	DLW-printed optical fiber micro-connector kit for effective light coupling in optical prototyping. Optik, 2020, 201, 163350.	2.9	13
122	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	13
123	Co₃O₄nanoparticles embedded in porous carbon nanofibers enable efficient nitrate reduction to ammonia. Chemical Communications, 2023, 59, 8973-8976.	4.1	12
124	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	11
125	Enhancing electromagnetic radiations by a pre-ablation laser during laser interaction with solid target. Physics of Plasmas, 2020, 27, .	1.9	11
126	Temperature control strategy for polymer electrolyte fuel cells. International Journal of Energy Research, 2020, 44, 4352-4365.	4.4	10

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127	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
128	Investigation into the electromagnetic impulses from long-pulse laser illuminating solid targets inside a laser facility. Photonic Sensors, 2016, 6, 249-255.	5.0	9
129	Electromagnetic radiations from laser interaction with gas-filled Hohlraum. Laser Physics Letters, 2018, 15, 016101.	1.5	9
130	Thermal Stress Analysis of Solid Oxide Fuel Cells with Chromium Poisoning Cathodes. Journal of the Electrochemical Society, 2018, 165, F1224-F1231.	2.9	9
131	Enhanced electrocatalytic performance of TiO₂ nanoparticles by Pd doping toward ammonia synthesis under ambient conditions. Chemical Communications, 2022, 58, 3214-3217.	4.1	9
132	Random laser action from ceramic-doped polymer films. Journal of Modern Optics, 2017, 64, 1289-1297.	1.3	8
133	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	8
134	Heterogenous Cu@ZrO₂ nanofibers enable efficient electrocatalytic nitrate reduction to ammonia under ambient conditions. Chemical Communications, 2022, 58, 13811-13814.	4.1	8
135	Spatial and temporal evolution of electromagnetic pulses generated at Shenguang-II series laser facilities. Plasma Science and Technology, 2021, 23, 115202.	1.5	7
136	Electrocatalytic H₂O₂ production via two-electron O₂ reduction by Mo-doped TiO₂ nanocrystallines. Catalysis Science and Technology, 2021, 11, 6970-6974.	4.1	7
137	Inventory Optimization in the Perioperative Care Department Using Kotter's Change Model. Joint Commission Journal on Quality and Patient Safety, 2022, 48, 5-11.	0.8	6
138	Amorphous Boron Carbide on Titanium Dioxide Nanobelt Arrays for Highâ€Efficiency Electrocatalytic NO Reduction to NH ₃. Angewandte Chemie, 0, , .	2.1	6
139	Generation and regulation of electromagnetic pulses induced by hybrid laser pulses interacting with solid targets. Nuclear Fusion, 2022, 62, 066006.	3.4	6
140	Defective CuO-rich CuFe₂O₄ nanofibers enable the efficient synergistic electrochemical reduction of nitrate to ammonia. Catalysis Science and Technology, 2022, 12, 4998-5002.	4.1	6
141	Effective electromagnetic shielding with multi-layer structure material on Shenguang laser facility. Plasma Science and Technology, 2020, 22, 025601.	1.5	5
142	YF₃: a nanoflower-like catalyst for efficient nitrogen fixation to ammonia under ambient conditions. Catalysis Science and Technology, 2021, 11, 6750-6754.	4.1	5
143	Constructing n-type TiO2 by Nb doping for electrocatalytic nitrate reduction to ammonia at ambient conditions. International Journal of Hydrogen Energy, 2023, 48, 37077-37085.	7.1	5
144	Intense Electromagnetic Pulses Generated From kJ-Laser Interacting With Hohlraum Targets. IEEE Transactions on Nuclear Science, 2022, 69, 2027-2036.	2.0	4

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145	ZrO₂/C Nanosphere Enables Highâ€Efficiency Nitrogen Reduction to Ammonia at Ambient Conditions. ChemCatChem, 2022, 14, .	3.7	4
146	Deficient Tin oxide nanofibers with regulated valence for efficient nitrate reduction to ammonia. Chemical Engineering Journal, 2024, 482, 148883.	12.7	4
147	Ag@TiO 2 as an Efficient Electrocatalyst for N 2 Fixation to NH 3 under Ambient Conditions. ChemistrySelect, 2021, 6, 5271-5274.	1.6	3
148	Electrodeposition of Amorphous Feâ”P Shell on Co(OH)F Nanowire Arrays for Boosting Oxygen Evolution Electrocatalysis in Alkaline Media. ChemNanoMat, 2022, 8, .	2.9	3
149	In-situ exsolution of FeCo nanoparticles over perovskite oxides for efficient electrocatalytic nitrate reduction to ammonia via localized electrons. Applied Catalysis B: Environmental, 2024, 357, 124267.	20.2	2
150	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
151	Predictor-corrector inexact smoothing algorithm for symmetric cone complementarity problems with Cartesian P0-property. Applied Numerical Mathematics, 2019, 143, 146-158.	2.2	1
152	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
153	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
154	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
155	Simulation of a Double-Sided Cathode SOFC Comparing Different Electrochemical Reaction Kinetics. ECS Meeting Abstracts, 2020, MA2020-02, 2504-2504.	0.0	0
156	Analysing Tortuosity for Solid Oxide Fuel Cell Anode Material: Experiments and Modeling. Journal of the Electrochemical Society, 2023, 170, 094502.	2.9	0
157	Crystalline modulation of zirconia for efficient nitrate reduction to ammonia under ambient conditions. Chemical Communications, 2024, 60, 5554-5557.	4.1	0
158	NbC Nanoparticles Decorated Carbon Nanofibers as Highly Active and Robust Heterostructural Electrocatalysts for Ammonia Synthesis. Angewandte Chemie - International Edition, 2024, 63, .	14.2	0
159	NbC Nanoparticles Decorated Carbon Nanofibers as Highly Active and Robust Heterostructural Electrocatalysts for Ammonia Synthesis. Angewandte Chemie, 2024, 136, .	2.1	0