

CITATION REPORT

List of articles citing

TiO Nanoparticles with Ti Sites toward Efficient NH Electrosynthesis under Ambient Conditions

DOI: 10.1021/acsami.1c11872

ACS Applied Materials & Interfaces, 2021, 13, 41715-41722

Source: <https://exaly.com/paper-pdf/81651205/citation-report.pdf>

Version: 2024-04-29

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
71	Directed charge transfer in all solid state heterojunction of Fe doped MoS ₂ and Cu ₂ O nanosheet for enhanced nitrogen photofixation. <i>Materials Today Physics</i> , 2021 , 21, 100563	8	1
70	MoS ₂ -Based Catalysts for N Electroreduction to NH ₃ - An Overview of MoS ₂ Optimization Strategies. <i>ChemistryOpen</i> , 2021 , 10, 1041-1054	2.3	4
69	Recent Advances in MOF-based Materials for Photocatalytic Nitrogen Fixation. <i>European Journal of Inorganic Chemistry</i> ,	2.3	0
68	High-spin state Fe(III) doped TiO ₂ for electrocatalytic nitrogen fixation induced by surface F modification. <i>Applied Catalysis B: Environmental</i> , 2022 , 301, 120809	21.8	8
67	Interface hydrophobic tunnel engineering: A general strategy to boost electrochemical conversion of N ₂ to NH ₃ . <i>Nano Energy</i> , 2022 , 92, 106784	17.1	5
66	Porous FeOOH nanotube stabilizing Au single atom for high-efficiency nitrogen fixation. <i>Nano Research</i> , 1	10	4
65	Fe(III) grafted MoO ₃ nanorods for effective electrocatalytic fixation of atmospheric N ₂ to NH ₃ . <i>International Journal of Hydrogen Energy</i> , 2021 ,	6.7	1
64	Accelerated N ₂ reduction kinetics in hybrid interfaces of NbTiO ₄ and nitrogen-doped carbon nanorod via synergistic electronic coupling effect. <i>Applied Catalysis B: Environmental</i> , 2021 , 120938	21.8	1
63	Quantifying the photocatalytic role and activity at the edge and surface of Pd co-catalysts using N ₂ fixation as a case. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 26036-26044	13	1
62	Recent advances in MoS ₂ -based materials for electrocatalysis.. <i>Chemical Communications</i> , 2022 ,	5.8	4
61	High-performance NH ₃ production NO electroreduction over a NiO nanosheet array. <i>Chemical Communications</i> , 2021 ,	5.8	14
60	TiN nitride MXene evokes the Mars-van Krevelen mechanism to achieve high selectivity for nitrogen reduction reaction.. <i>Scientific Reports</i> , 2022 , 12, 657	4.9	6
59	Biomass Juncus derived carbon decorated with cobalt nanoparticles enables high-efficiency ammonia electrosynthesis by nitrite reduction. <i>Journal of Materials Chemistry A</i> , 2022 , 10, 2842-2848	13	6
58	High-efficiency ammonia electrosynthesis via selective reduction of nitrate on ZnCo ₂ O ₄ nanosheet array. <i>Materials Today Physics</i> , 2022 , 23, 100619	8	11
57	Nitrogen reduction reaction under ambient conditions by K ₃ Ti ₈ O ₁₇ nanorod electrocatalyst. <i>Sustainable Energy and Fuels</i> ,	5.8	0
56	Thermodynamic analysis of the electrochemical synthesis of ammonia in solid-state proton-conducting electrochemical reactors considering interfacial potential steps. <i>Sustainable Energy and Fuels</i> , 2022 , 6, 711-720	5.8	0
55	Boosting electrochemical nitrite-ammonia conversion properties by a Cu foam@CuO catalyst.. <i>Chemical Communications</i> , 2021 ,	5.8	5

54	Electro-reduction of N ₂ on nanostructured materials and the design strategies of advanced catalysts based on descriptors. <i>Materials Today Physics</i> , 2022 , 22, 100609	8	16
53	Dealloying layered PdBi ₂ nanoflakes to palladium hydride leads to enhanced electrocatalytic N ₂ reduction. <i>Journal of Materials Chemistry A</i> ,	13	2
52	Cobalt doping of porous graphitic carbon nitride with Co N bonds promotes electrocatalytic N ₂ fixation under ambient conditions. <i>Journal of Alloys and Compounds</i> , 2022 , 902, 163862	5.7	3
51	Enhanced electrocatalytic performance of TiO nanoparticles by Pd doping toward ammonia synthesis under ambient conditions.. <i>Chemical Communications</i> , 2022 ,	5.8	2
50	Surface Adaptable and Adhesion Controllable Dry Adhesive with Shape Memory Polymer.. <i>Macromolecular Rapid Communications</i> , 2022 , e2200012	4.8	2
49	Phase Transfer of Mo 2 C Induced by Boron Doping to Boost Nitrogen Reduction Reaction Catalytic Activity. <i>Advanced Functional Materials</i> , 2110783	15.6	7
48	High-efficiency ammonia electrosynthesis on self-supported Co ₂ AlO ₄ nanoarray in neutral media by selective reduction of nitrate. <i>Chemical Engineering Journal</i> , 2022 , 435, 135104	14.7	9
47	A 3D FeOOH nanotube array: an efficient catalyst for ammonia electrosynthesis by nitrite reduction.. <i>Chemical Communications</i> , 2022 ,	5.8	1
46	Ambient electrochemical N ₂ -to-NH ₃ conversion catalyzed by TiO ₂ decorated juncus effusus-derived carbon microtubes. <i>Inorganic Chemistry Frontiers</i> , 2022 , 9, 1514-1519	6.8	9
45	Co nanoparticle-decorated pomelo-peel-derived carbon enabled high-efficiency electrocatalytic nitrate reduction to ammonia.. <i>Chemical Communications</i> , 2022 ,	5.8	4
44	A FeCoO nanowire array enabled electrochemical nitrate conversion to ammonia.. <i>Chemical Communications</i> , 2022 ,	5.8	2
43	Coupling denitrification and ammonia synthesis via selective electrochemical reduction of nitric oxide over Fe ₂ O ₃ nanorods. <i>Journal of Materials Chemistry A</i> , 2022 , 10, 6454-6462	13	4
42	Photocatalytic Recovery of Gold from a Non-Cyanide Gold Plating Solution as Au Nanoparticle-Decorated Semiconductors.. <i>ACS Omega</i> , 2022 , 7, 7683-7695	3.9	0
41	Delicate Tuning of the Ni/Co Ratio in Bimetal Layered Double Hydroxides for Efficient N Electroreduction.. <i>ChemSusChem</i> , 2022 , e202200127	8.3	0
40	Photoelectrochemical Antibacterial Platform Based on Rationally Designed Black TiO Nanowires for Efficient Inactivation against Bacteria.. <i>ACS Applied Bio Materials</i> , 2022 ,	4.1	2
39	FeP nanorod array: A high-efficiency catalyst for electroreduction of NO to NH ₃ under ambient conditions. <i>Nano Research</i> , 1	10	4
38	W/Mo-polyoxometalate-derived electrocatalyst for high-efficiency nitrogen fixation. <i>Chinese Chemical Letters</i> , 2022 ,	8.1	2
37	High-Performance Electrochemical Nitrate Reduction to Ammonia under Ambient Conditions Using a FeOOH Nanorod Catalyst.. <i>ACS Applied Materials & Interfaces</i> , 2022 ,	9.5	4

36	Ni-Doped MoC Anchored on Graphitized Porous Carbon for Boosting Electrocatalytic N Reduction.. <i>ACS Applied Materials & Interfaces</i> , 2022 ,	9.5	0
35	Nitrogen reduction reaction to ammonia at ambient conditions: A short review analysis of the critical factors limiting electrocatalytic performance. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2022 , 35, 100604	7.9	1
34	High-efficiency NO electroreduction to NH over honeycomb carbon nanofiber at ambient conditions.. <i>Journal of Colloid and Interface Science</i> , 2022 , 616, 261-267	9.3	2
33	Synergy effect of Cu-Ru dual atoms anchored to N-doped phosphorene for nitrogen reduction reaction. <i>Fuel</i> , 2022 , 321, 124101	7.1	0
32	Amorphous core/shell Ti-doped SnO ₂ with synergistically improved N ₂ adsorption/activation and electrical conductivity for electrochemical N ₂ reduction. <i>Chinese Chemical Letters</i> , 2021 ,	8.1	0
31	Self-assembly synthesis of Ni-decorated Nb ₂ C MXene as an efficient and stable catalyst towards electrochemical nitrogen reduction. <i>Ceramics International</i> , 2022 ,	5.1	1
30	Preparation and characterization of Fe ₂ O ₃ /Fe ₃ O ₄ heteroplasmon nanoparticles via the hydrolysis-combustion-calcination process of iron nitrate. <i>Materials Research Express</i> ,	1.7	0
29	Multicomponent TiO/Ag/CuS@Se Heterostructures Constructed by an Interface Engineering Strategy for Promoting the Electrocatalytic Nitrogen Reduction Reaction Performance.. <i>Inorganic Chemistry</i> , 2022 ,	5.1	1
28	Pd/PdO Electrocatalysts Boost Their Intrinsic Nitrogen Reduction Reaction Activity and Selectivity Controllably Modulating the Oxygen Level.. <i>ACS Applied Materials & Interfaces</i> , 2022 ,	9.5	0
27	ITO@TiO ₂ nanoarray: An efficient and robust nitrite reduction reaction electrocatalyst toward NH ₃ production under ambient conditions. <i>EScience</i> , 2022 ,		9
26	Recent advances in nanostructured heterogeneous catalysts for N-cycle electrocatalysis. 2022 , null		37
25	Electrocatalytic activity on single atoms catalysts: Synthesis strategies, characterization, classification, and energy conversion applications. <i>Coordination Chemistry Reviews</i> , 2022 , 467, 214600	23.2	1
24	Cu nanoparticles decorated juncus-derived carbon for efficient electrocatalytic nitrite-to-ammonia conversion. <i>Journal of Colloid and Interface Science</i> , 2022 , 624, 394-399	9.3	2
23	Recent Progress on Titanium Sesquioxide: Fabrication, Properties, and Applications. <i>Advanced Functional Materials</i> , 2203491	15.6	3
22	Enhanced Antioxidant Ability of PEG-Coated Ce _{0.5} Zr _{0.5} O ₂ -Based Nanofluids for Scavenging Hydroxyl Radicals. <i>ACS Omega</i> ,	3.9	1
21	Plasma-etched Ti ₂ O ₃ with oxygen vacancies for enhanced NH ₃ electrosynthesis and Zn-N ₂ battery. <i>Inorganic Chemistry Frontiers</i> ,	6.8	8
20	Enhanced electrocatalytic nitrate reduction to ammonia using plasma-induced oxygen vacancies in CoTiO ₃ nanofiber. 2022 , 1, 6-13		0
19	Single Ti ³⁺ Ion Catalyzes NO Reduction on Stoichiometric Titanium Oxide Cluster Anions (TiO ₂) _n (n = 1-11). <i>ACS Catalysis</i> , 8768-8775	13.1	0

18	Recent advances in metal-organic frameworks and their derivatives for electrocatalytic nitrogen reduction to ammonia. 2022 , 471, 214761	2
17	Electroreduction of nitrate to ammonia on atomically-dispersed Cu-N4 active sites with high efficiency and stability. 2023 , 332, 126106	0
16	Microfluidic-oriented synthesis of enriched iridium nanodots/carbon architecture for robust electrocatalytic nitrogen fixation. 2022 ,	0
15	Synthesis of Cu@C nanocube based on Cu2O for electrocatalytic nitrogen reduction to ammonia. 2022 , 101181	0
14	A combinatorial descriptor for volcano relationships of electrochemical nitrogen reduction reaction. 2022 , 43, 2881-2888	0
13	Recent progress in electrocatalytic nitrogen reduction to ammonia (NRR). 2023 , 478, 214981	0
12	Atomically Fe-doped MoS2 with Fe-Mo dual sites for efficient electrocatalytic NO reduction to NH3. 2023 , 324, 122241	11
11	Boosting Electrocatalytic Ammonia Synthesis of Bio-Inspired Porous Mo-Doped Hematite via Nitrogen Activation. 2022 , 14, 55559-55567	1
10	Electrocatalytic NO Reduction to NH3 on Mo2C Nanosheets. 2023 , 62, 653-658	9
9	Coupling Cu doping and oxygen vacancies in Co3O4 for efficient electrochemical nitrate conversion to ammonia.	0
8	Modifying the electronic structure of MoS2 via interface engineering to boost intrinsic activity for nitrogen fixation. 2023 , 945, 169201	0
7	Recent developments in heterogeneous electrocatalysts for ambient nitrogen reduction to ammonia: Activity, challenges, and future perspectives. 2023 , 176, 113197	1
6	Theoretical insights into nonmetal-doped graphyne-supported noble metal electrocatalysts for NH3 synthesis via nitrogen reduction. 2023 , 617, 156550	0
5	In-situ/operando Raman techniques for in-depth understanding on electrocatalysis. 2023 , 461, 141939	0
4	Effect of pH on the Electrochemical Behavior and Nitrogen Reduction Reaction Activity of Ti2N Nitride MXene. 2023 , 10,	0
3	Achieving stable all-solid-state lithium-metal batteries by tuning the cathode-electrolyte interface and ionic/electronic transport within the cathode. 2023 ,	1
2	A Plasmon Resonance Enhanced Photo-Electrode to Promote NH3 Yield in Sustainable N2 Conversion.	0
1	Engineering defects in TiO2 for the simultaneous production of hydrogen and organic products. 2023 , 333, 122765	0

