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Alkylthiol surface engineering: an effective strategy toward enhanced electrocatalytic N₂-to-NH₃ fixation by a CoP nanoarray

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#	Paper	IF	Citations
69	Investigation of the interfacial behavior of organics on sulfide semiconductor surfaces by quantum chemical calculations and molecular dynamics simulations. <i>New Journal of Chemistry</i> ,	3.6	
68	MoS quantum dots for electrocatalytic N reduction. <i>Chemical Communications</i> , 2021 , 57, 9930-9933	5.8	7
67	Electrochemical nitrogen reduction: recent progress and prospects. <i>Chemical Communications</i> , 2021 , 57, 7335-7349	5.8	13
66	Enhancing electrocatalytic N ₂ -to-NH ₃ fixation by suppressing hydrogen evolution with alkylthiols modified Fe ₃ P nanoarrays. <i>Nano Research</i> , 1	10	28
65	TiO Nanoparticles with Ti Sites toward Efficient NH Electrosynthesis under Ambient Conditions. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 41715-41722	9.5	32
64	Isolation of Metalloid Boron Atoms in Intermetallic Carbide Boosts the Catalytic Selectivity for Electrocatalytic N ₂ Fixation. <i>Advanced Energy Materials</i> , 2021 , 11, 2102138	21.8	10
63	MXene Quantum Dots/Copper Heterostructure for Synergistically Enhanced N ₂ Electroreduction. <i>Energy and Environmental Materials</i> ,	13	9
62	Fe, Mo-co-doped graphene for electrocatalytic N ₂ -to-NH ₃ conversion: A DFT investigation. <i>Applied Surface Science</i> , 2021 , 569, 150921	6.7	1
61	Catalyst design strategies for aqueous N ₂ electroreduction. <i>Applied Materials Today</i> , 2021 , 25, 101184	6.6	0
60	Single, double, and triple transition metal atoms embedded in defective V ₃ C ₂ O ₂ for nitrogen reduction reaction: A DFT study. <i>Applied Surface Science</i> , 2021 , 569, 151020	6.7	3
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57	An amorphous WC thin film enabled high-efficiency N reduction electrocatalysis under ambient conditions. <i>Chemical Communications</i> , 2021 , 57, 7806-7809	5.8	19
56	Directed charge transfer in all solid state heterojunction of Fe doped MoS ₂ and C ₆₀ /TiO ₂ nanosheet for enhanced nitrogen photofixation. <i>Materials Today Physics</i> , 2021 , 21, 100563	8	1
55	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
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47	Recent advances in MoS ₂ -based materials for electrocatalysis.. <i>Chemical Communications</i> , 2022 ,	5.8	4
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25	Amorphous core/shell Ti-doped SnO2 with synergistically improved N2 adsorption/activation and electrical conductivity for electrochemical N2 reduction. <i>Chinese Chemical Letters</i> , 2021 ,	8.1	0
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16	Interfacial engineering of metallic rhodium by thiol modification approach for ambient electrosynthesis of ammonia. <i>Nano Research</i> ,	10	1
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