

Xinyu Du

List of Publications by Year in descending order

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14
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818
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840776

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#	ARTICLE	IF	CITATIONS
1	Surface Reconstruction and Phase Transition on Vanadiumâ€“Cobaltâ€“Iron Trimetal Nitrides to Form Active Oxyhydroxide for Enhanced Electrocatalytic Water Oxidation. <i>Advanced Energy Materials</i> , 2020, 10, 2002464.	19.5	155
2	Development of Electrocatalysts for Efficient Nitrogen Reduction Reaction under Ambient Condition. <i>Advanced Functional Materials</i> , 2021, 31, 2008983.	14.9	124
3	Facile Formation of a Solid Electrolyte Interface as a Smart Blocking Layer for Highâ€“Stability Sulfur Cathode. <i>Advanced Materials</i> , 2017, 29, 1700273.	21.0	83
4	Multiâ€“Phase Heterostructure of CoNiP/Co_x</i>P for Enhanced Hydrogen Evolution Under Alkaline and Seawater Conditions by Promoting H₂O Dissociation. <i>Small</i> , 2021, 17, e2007557.	10.0	83
5	Remarkable synergistic effect in cobalt-iron nitride/alloy nanosheets for robust electrochemical water splitting. <i>Journal of Energy Chemistry</i> , 2022, 65, 405-414.	12.9	81
6	Development of Perovskite Oxideâ€“Based Electrocatalysts for Oxygen Evolution Reaction. <i>Small</i> , 2021, 17, e2101605.	10.0	71
7	2D materials: Excellent substrates for surface-enhanced Raman scattering (SERS) in chemical sensing and biosensing. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 130, 115983.	11.4	66
8	A Mn₃O₄ nano-wall array based binder-free cathode for high performance lithiumâ€“sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 6447-6454.	10.3	55
9	Vertically-aligned 1T/2H-MS2 (M=Mo, W) nanosheets for surface-enhanced Raman scattering with long-term stability and large-scale uniformity. <i>Applied Surface Science</i> , 2020, 527, 146769.	6.1	33
10	PLD-fabricated perovskite oxide nanofilm as efficient electrocatalyst with highly enhanced water oxidation performance. <i>Applied Catalysis B: Environmental</i> , 2020, 272, 119046.	20.2	29
11	Surface reconstruction on silver nanoparticles decorated trimetallic hydroxide nanosheets to generate highly active oxygen-deficient (oxy)hydroxide layer for high-efficient water oxidation. <i>Chemical Engineering Journal</i> , 2021, 425, 131662.	12.7	19
12	Development of Perovskite Oxideâ€“Based Electrocatalysts for Oxygen Evolution Reaction (Small) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	10.0	10
13	Toward enhanced oxygen evolution on NaBH4 treated Ba0.5Sr0.5Co0.8Fe0.2O3â€“Î nanofilm: Insights into the facilitated surface reconstruction. <i>Materials Today Energy</i> , 2022, 27, 101046.	4.7	5
14	Oxygen Evolution Reaction: Surface Reconstruction and Phase Transition on Vanadiumâ€“Cobaltâ€“Iron Trimetal Nitrides to Form Active Oxyhydroxide for Enhanced Electrocatalytic Water Oxidation (Adv.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	8.5	10