

Crystal Facet Engineering of Photoelectrodes for Photocatalysis

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Citation Report

#	ARTICLE	IF	CITATIONS
2	Fe_2O_3 with novel double hexagonal pyramid morphology synthesized using a dual-ion co-work system as an anode for lithium-ion batteries. <i>CrystEngComm</i> , 2019, 21, 5508-5518.	1.3	5
3	Photocatalytic synthesis of gold nanoparticles using TiO_2 nanorods: a mechanistic investigation. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 18753-18757.	1.3	9
4	The Dependence of Bi_2MoO_6 Photocatalytic Water Oxidation Capability on Crystal Facet Engineering. <i>ChemPhotoChem</i> , 2019, 3, 1246-1253.	1.5	23
5	Ni/Fe Codoped In_2S_3 Nanosheet Arrays Boost Photoelectrochemical Performance of Planar Si Photocathodes. <i>Advanced Energy Materials</i> , 2019, 9, 1902135.	10.2	47
6	Defective Fe^{3+} self-doped spinel ZnFe_2O_4 with oxygen vacancies for highly efficient photoelectrochemical water splitting. <i>Dalton Transactions</i> , 2019, 48, 11934-11940.	1.6	12
7	A hematite photoelectrode grown on porous and conductive SnO_2 ceramics for solar-driven water splitting. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 19667-19675.	3.8	16
8	Nanocatalytic Medicine. <i>Advanced Materials</i> , 2019, 31, e1901778.	11.1	396
9	Construction of CdSe@TiO_2 core-shell nanorod arrays by electrochemical deposition for efficient visible light photoelectrochemical performance. <i>International Journal of Energy Research</i> , 2019, 43, 7197.	2.2	5
10	Water Oxidation Catalysts for Artificial Photosynthesis. <i>Advanced Materials</i> , 2019, 31, e1902069.	11.1	215
11	Efficient BiVO_4 Photoanodes by Postsynthetic Treatment: Remarkable Improvements in Photoelectrochemical Performance from Facile Borate Modification. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 19027-19033.	7.2	108
12	A Single-Junction Cathodic Approach for Stable Unassisted Solar Water Splitting. <i>Joule</i> , 2019, 3, 2444-2456.	11.7	39
13	Defects Engineering in Photocatalytic Water Splitting Materials. <i>ChemCatChem</i> , 2019, 11, 6177-6189.	1.8	90
14	Unraveling the Impact of Electrochemically Created Oxygen Vacancies on the Performance of ZnO Nanowire Photoanodes. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 18165-18173.	3.2	17
15	A Hybrid Artificial Photocatalysis System Splits Atmospheric Water for Simultaneous Dehumidification and Power Generation. <i>Advanced Materials</i> , 2019, 31, e1902963.	11.1	55
16	Identifying Copper Vacancies and Their Role in the CuO Based Photocathode for Water Splitting. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17604-17609.	7.2	82
17	Boosting water oxidation performance of CuWO_4 photoanode by surface modification of nickel phosphate. <i>Electrochimica Acta</i> , 2019, 328, 135125.	2.6	22
18	Insights into the Most Suitable TiO_2 Surfaces for Photocatalytic O_2 and H_2 Evolution Reactions from DFT Calculations. <i>Journal of Physical Chemistry C</i> , 2019, 123, 28210-28218.	1.5	48
19	Facet-dependent and interfacial plane-related photocatalytic behaviors of semiconductor nanocrystals and heterostructures. <i>Nano Today</i> , 2019, 28, 100768.	6.2	81

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21	Efficient BiVO ₄ Photoanodes by Postsynthetic Treatment: Remarkable Improvements in Photoelectrochemical Performance from Facile Borate Modification. Angewandte Chemie, 2019, 131, 19203-19209.	1.6	35
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