

Xianwei Fu

List of Publications by Year in descending order

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docs citations

17
times ranked

1046
citing authors

#	ARTICLE	IF	CITATIONS
1	Perfecting electrocatalysts via imperfections: towards the large-scale deployment of water electrolysis technology. <i>Energy and Environmental Science</i> , 2021, 14, 1722-1770.	15.6	213
2	Descriptors for the Evaluation of Electrocatalytic Reactions: Band Theory and Beyond. <i>Advanced Functional Materials</i> , 2022, 32, 2107651.	7.8	154
3	Highly stable lead-free Cs ₃ Bi ₂ I ₉ perovskite nanoplates for photodetection applications. <i>Nano Research</i> , 2019, 12, 1894-1899.	5.8	96
4	A CH ₃ NH ₃ PbI ₃ film for a room-temperature NO ₂ gas sensor with quick response and high selectivity. <i>RSC Advances</i> , 2018, 8, 390-395.	1.7	69
5	Structural design for electrocatalytic water splitting to realize industrial-scale deployment: Strategies, advances, and perspectives. <i>Journal of Energy Chemistry</i> , 2022, 70, 129-153.	7.1	60
6	Point-defect-optimized electron distribution for enhanced electrocatalysis: Towards the perfection of the imperfections. <i>Nano Today</i> , 2020, 31, 100833.	6.2	52
7	High-Quality CH ₃ NH ₃ PbI ₃ Films Obtained via a Pressure-Assisted Space-Confining Solvent-Engineering Strategy for Ultrasensitive Photodetectors. <i>Nano Letters</i> , 2018, 18, 1213-1220.	4.5	35
8	Wavelength-Tunable Interlayer Exciton Emission at the Near-Infrared Region in van der Waals Semiconductor Heterostructures. <i>Nano Letters</i> , 2020, 20, 3361-3368.	4.5	35
9	Large-Scale Growth of Ultrathin Low-Dimensional Perovskite Nanosheets for High-Detectivity Photodetectors. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 2884-2891.	4.0	26
10	The lab-to-fab journey of copper-based electrocatalysts for multi-carbon production: Advances, challenges, and opportunities. <i>Nano Today</i> , 2021, 36, 101028.	6.2	25
11	Solvent-Assisted Thermal-Pressure Strategy for Constructing High-Quality CH ₃ NH ₃ PbI ₃ Cl Films as High-Performance Perovskite Photodetectors. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 8393-8398.	4.0	16
12	An in-situ surface modification route for realizing the synergetic effect in P3HT-SnO ₂ composite sensor and strikingly improving its sensing performance. <i>Sensors and Actuators B: Chemical</i> , 2017, 241, 1210-1217.	4.0	10
13	Ultrathin TiO ₂ nanosheets synthesized using a high pressure solvothermal method and the enhanced photoresponse performance of CH ₃ NH ₃ PbI ₃ TiO ₂ composite films. <i>RSC Advances</i> , 2017, 7, 20845-20850.	1.7	9
14	Room temperature exciton-polaritons in high-quality 2D Ruddlesden-Popper perovskites (BA) ₂ (MA) _{n-1} PbI _{3n+1} (n = 3, 4). <i>Applied Physics Letters</i> , 2020, 117, .	1.5	7
15	Breaking the periodic arrangement of atoms for the enhanced electrochemical reduction of nitrogen and water oxidation. <i>Science China Materials</i> , 2022, 65, 147-154.	3.5	6
16	Pressure-sensitive transistor fabricated from an organic semiconductor 1,1'-dibutyl-4,4'-bipyridinium diiodide. <i>Chemical Research in Chinese Universities</i> , 2018, 34, 95-100.	1.3	1
17	Photoluminescence Enhancement in Thin Two-Dimensional Ruddlesden-Popper Perovskites by Spiro-OMeTAD. <i>Journal of Physical Chemistry C</i> , 0, .	1.5	1