

Shilong Jiao

List of Publications by Year in descending order

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17
papers

1,195
citations

623734

14
h-index

888059

17
g-index

17
all docs

17
docs citations

17
times ranked

1596
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	6.3	6
2	Descriptors for the Evaluation of Electrocatalytic Reactions: dâ€BAND Theory and Beyond. <i>Advanced Functional Materials</i> , 2022, 32, 2107651.	14.9	154
3	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.	12.9	60
4	The lab-to-fab journey of copper-based electrocatalysts for multi-carbon production: Advances, challenges, and opportunities. <i>Nano Today</i> , 2021, 36, 101028.	11.9	25
5	Theory-guided construction of electron-deficient sites via removal of lattice oxygen for the boosted electrocatalytic synthesis of ammonia. <i>Nano Research</i> , 2021, 14, 1457-1464.	10.4	10
6	Perfecting electrocatalysts via imperfections: towards the large-scale deployment of water electrolysis technology. <i>Energy and Environmental Science</i> , 2021, 14, 1722-1770.	30.8	213
7	Hierarchical MoS ₂ /m-C@a-C@Ti ₃ C ₂ nanohybrids as superior electrodes for enhanced sodium storage and hydrogen evolution reaction. <i>Chemical Engineering Journal</i> , 2021, 421, 129680.	12.7	22
8	Point-defect-optimized electron distribution for enhanced electrocatalysis: Towards the perfection of the imperfections. <i>Nano Today</i> , 2020, 31, 100833.	11.9	52
9	Large-Scale Growth of Ultrathin Low-Dimensional Perovskite Nanosheets for High-Detectivity Photodetectors. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 2884-2891.	8.0	26
10	Tunable synthesis of multiply twinned intermetallic Pd ₃ Pb nanowire networks toward efficient N ₂ to NH ₃ conversion. <i>Journal of Materials Chemistry A</i> , 2019, 7, 20247-20253.	10.3	39
11	Defect-rich one-dimensional MoS ₂ hierarchical architecture for efficient hydrogen evolution: Coupling of multiple advantages into one catalyst. <i>Applied Catalysis B: Environmental</i> , 2019, 258, 117964.	20.2	77
12	Accelerating oxygen evolution electrocatalysis of two-dimensional NiFe layered double hydroxide nanosheets via space-confined amorphization. <i>Nanoscale</i> , 2019, 11, 18894-18899.	5.6	38
13	Sn-Doped Rutile TiO ₂ Hollow Nanocrystals with Enhanced Lithium-Ion Batteries Performance. <i>ACS Omega</i> , 2018, 3, 1329-1337.	3.5	28
14	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.	3.6	69
15	Ultrafast Molecular Stitching of Graphene Films at the Ethanol/Water Interface for High Volumetric Capacitance. <i>Nano Letters</i> , 2017, 17, 1365-1370.	9.1	42
16	Ultrathin TiO ₂ nanosheets synthesized using a high pressure solvothermal method and the enhanced photoresponse performance of CH ₃ NH ₃ PbI ₃ â€TiO ₂ composite films. <i>RSC Advances</i> , 2017, 7, 20845-20850.	3.6	9
17	Vertically Aligned and Interconnected Graphene Networks for High Thermal Conductivity of Epoxy Composites with Ultralow Loading. <i>Chemistry of Materials</i> , 2016, 28, 6096-6104.	6.7	325