Liuqing Pang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7099337/publications.pdf

Version: 2024-02-01

28 papers	4,880 citations	279778 23 h-index	501174 28 g-index
28 all docs	28 docs citations	28 times ranked	7570 citing authors

#	Article	IF	Citations
1	Twoâ€Inchâ€Sized Perovskite CH₃NH₃PbX₃ (X = Cl, Br, I) Crystals: Growth and Characterization. Advanced Materials, 2015, 27, 5176-5183.	21.0	914
2	Surface optimization to eliminate hysteresis for record efficiency planar perovskite solar cells. Energy and Environmental Science, 2016, 9, 3071-3078.	30.8	870
3	High efficiency flexible perovskite solar cells using superior low temperature TiO₂. Energy and Environmental Science, 2015, 8, 3208-3214.	30.8	519
4	Hysteresisâ€Suppressed Highâ€Efficiency Flexible Perovskite Solar Cells Using Solidâ€State Ionicâ€Liquids for Effective Electron Transport. Advanced Materials, 2016, 28, 5206-5213.	21.0	387
5	One-step hydrothermal synthesis of monolayer MoS₂ quantum dots for highly efficient electrocatalytic hydrogen evolution. Journal of Materials Chemistry A, 2015, 3, 10693-10697.	10.3	320
6	Thinnessâ€•and Shapeâ€Controlled Growth for Ultrathin Singleâ€Crystalline Perovskite Wafers for Mass Production of Superior Photoelectronic Devices. Advanced Materials, 2016, 28, 9204-9209.	21.0	296
7	Superior stability for perovskite solar cells with 20% efficiency using vacuum co-evaporation. Nanoscale, 2017, 9, 12316-12323.	5.6	169
8	A Se-doped MoS₂ nanosheet for improved hydrogen evolution reaction. Chemical Communications, 2015, 51, 15997-16000.	4.1	167
9	Efficient planar CsPbBr3 perovskite solar cells by dual-source vacuum evaporation. Solar Energy Materials and Solar Cells, 2018, 187, 1-8.	6.2	139
10	Fe(<scp>iii</scp>) doped NiS₂ nanosheet: a highly efficient and low-cost hydrogen evolution catalyst. Journal of Materials Chemistry A, 2017, 5, 10173-10181.	10.3	137
11	Graphdiyne-WS2 2D-Nanohybrid electrocatalysts for high-performance hydrogen evolution reaction. Carbon, 2018, 129, 228-235.	10.3	124
12	Agx@WO3 core-shell nanostructure for LSP enhanced chemical sensors. Scientific Reports, 2014, 4, 6745.	3.3	116
13	Pt monolayer coating on complex network substrate with high catalytic activity for the hydrogen evolution reaction. Science Advances, 2015, 1, e1400268.	10.3	97
14	27%â€Efficiency Fourâ€Terminal Perovskite/Silicon Tandem Solar Cells by Sandwiched Gold Nanomesh. Advanced Functional Materials, 2020, 30, 1908298.	14.9	91
15	In Situ Synthesis of Fewâ€Layered gâ€C₃N₄ with Vertically Aligned MoS₂ Loading for Boosting Solarâ€toâ€Hydrogen Generation. Small, 2018, 14, 1703003.	10.0	90
16	Graphene-oxide doped PEDOT:PSS as a superior hole transport material for high-efficiency perovskite solar cell. Organic Electronics, 2017, 48, 165-171.	2.6	87
17	Interfaces and Interfacial Layers in Inorganic Perovskite Solar Cells. Angewandte Chemie - International Edition, 2021, 60, 26440-26453.	13.8	69
18	One-pot fabrication of NiFe 2 O 4 nanoparticles on Î±-Ni(OH) 2 nanosheet for enhanced water oxidation. Journal of Power Sources, 2016, 324, 499-508.	7.8	57

#	Article	IF	Citations
19	Earth-abundant elements doping for robust and stable solar-driven water splitting by FeOOH. Journal of Materials Chemistry A, 2017, 5, 21478-21485.	10.3	54
20	Facile synthesis of an iron doped rutile TiO₂ photocatalyst for enhanced visible-light-driven water oxidation. Journal of Materials Chemistry A, 2015, 3, 21434-21438.	10.3	50
21	Realizing efficient red thermally activated delayed fluorescence organic light-emitting diodes using phenoxazine/phenothiazine-phenanthrene hybrids. Organic Electronics, 2018, 59, 32-38.	2.6	35
22	Interfacial TiO2 atomic layer deposition triggers simultaneous crystallization control and band alignment for efficient CsPbIBr2 perovskite solar cell. Organic Electronics, 2019, 74, 103-109.	2.6	27
23	In Situ Grain Boundary Modification via Two-Dimensional Nanoplates to Remarkably Improve Stability and Efficiency of Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2018, 10, 39802-39808.	8.0	24
24	Interfaces and Interfacial Layers in Inorganic Perovskite Solar Cells. Angewandte Chemie, 2021, 133, 26644-26657.	2.0	14
25	Superior texture-controlled ZnO thin film using electrochemical deposition. Solar Energy, 2016, 125, 192-197.	6.1	12
26	Exposed the mechanism of lead chloride dopant for high efficiency planar-structure perovskite solar cells. Organic Electronics, 2018, 62, 499-504.	2.6	6
27	Effective electron extraction from active layer for enhanced photodetection of photoconductive type detector with structure of Au/CH3NH3PbI3/Au. Organic Electronics, 2019, 74, 197-203.	2.6	6
28	Controlled electrodeposition of Au monolayer film on ionic liquid. Applied Surface Science, 2016, 371, 258-261.	6.1	3