Jinbiao Jia

List of Publications by Year
in descending order

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24 papers	714 citations	361413 20 h-index	610901 24 g-index
24 all docs	24 docs citations	24 times ranked	1222 citing authors

#	Article	IF	Citations
1	High performance perovskite solar cells based on Î²-NaYF4:Yb3+/Er3+/Sc3+@NaYF4 core-shell upconversion nanoparticles. Journal of Power Sources, 2019, 426, 178-187.	7.8	65
2	Modulated CH3NH3PbI3âˆ'xBrx film for efficient perovskite solar cells exceeding 18%. Scientific Reports, 2017, 7, 44603.	3.3	60
3	Transparent nickel selenide used as counter electrode in high efficient dye-sensitized solar cells. Journal of Alloys and Compounds, 2015, 640, 29-33.	5.5	45
4	Nickel selenide/reduced graphene oxide nanocomposite as counter electrode for high efficient dye-sensitized solar cells. Journal of Colloid and Interface Science, 2017, 498, 217-222.	9.4	41
5	Cadmium sulfide as an efficient electron transport material for inverted planar perovskite solar cells. Chemical Communications, 2018, 54, 3170-3173.	4.1	41
6	Improved photovoltaic performance of perovskite solar cells by utilizing down-conversion NaYF₄:Eu³⁺ nanophosphors. Journal of Materials Chemistry C, 2019, 7, 937-942.	5.5	40
7	Cobalt telluride/reduced graphene oxide using as high performance counter electrode for dye-sensitized solar cells. Electrochimica Acta, 2015, 185, 184-189.	5.2	38
8	High-Performance and Hysteresis-Free Perovskite Solar Cells Based on Rare-Earth-Doped SnO ₂ Mesoporous Scaffold. Research, 2019, 2019, 4049793.	5.7	35
9	Postpassivation of Cs_{0.05}(FA_{0.83}MA_{0.17})_{0.95}Pb(I_{0.83}Br_{0.17})₃ Perovskite Films with Tris(pentafluorophenyl)borane. ACS Applied Materials & Interfaces, 2021, 13, 2472-2482.	8.0	34
10	A transparent nickel selenide counter electrode for high efficient dye-sensitized solar cells. Applied Surface Science, 2017, 401, 1-6.	6.1	31
11	Hydrothermal Synthesis of Hybrid Rodâ€Like Hollow CoWO₄/Co_{1âˆ'x}S for Highâ€Performance Supercapacitors. ChemElectroChem, 2018, 5, 1047-1055.	3.4	30
12	An in situ polymerized PEDOT/Fe₃O₄ composite as a Pt-free counter electrode for highly efficient dye sensitized solar cells. RSC Advances, 2016, 6, 1637-1643.	3.6	28
13	Cobalt selenite dihydrate as an effective and stable Pt-free counter electrode in dye-sensitized solar cells. Journal of Power Sources, 2016, 336, 83-90.	7.8	27
14	Zwitterion-Stabilizing Scalable Bladed Îł-Phase Cs_{0.1}FA_{0.9}PbI₃ Films for Efficient Inverted Planar Perovskite Solar Cells. ACS Sustainable Chemistry and Engineering, 2020, 8, 7020-7030.	6.7	27
15	Influence of deposition voltage of cobalt diselenide preparation on the film quality and the performance of dye-sensitized solar cells. Solar Energy, 2017, 151, 61-67.	6.1	25
16	Plasmonic Au Nanooctahedrons Enhance Light Harvesting and Photocarrier Extraction in Perovskite Solar Cell. ACS Applied Energy Materials, 2021, 4, 3201-3209.	5.1	25
17	High-Performance Molybdenum Diselenide Electrodes Used in Dye-Sensitized Solar Cells and Supercapacitors. IEEE Journal of Photovoltaics, 2016, 6, 1196-1202.	2.5	24
18	Enhanced photocurrent of perovskite solar cells by dual-sensitized Î²-NaYF4:Nd3+/Yb3+/Er3+ up-conversion nanoparticles. Chemical Physics Letters, 2021, 763, 138253.	2.6	23

#	Article	IF	Citations
19	Annealingâ€Free Cr₂O₃ Electronâ€Selective Layer for Efficient Hybrid Perovskite Solar Cells. ChemSusChem, 2018, 11, 619-628.	6.8	22
20	Cobalt selenide/tin selenide hybrid used as a high efficient counter electrode for dye-sensitized solar cells. Journal of Materials Science: Materials in Electronics, 2015, 26, 10102-10108.	2.2	21
21	Cobalt/molybdenum ternary hybrid with hierarchical architecture used as high efficient counter electrode for dye-sensitized solar cells. Solar Energy, 2015, 122, 326-333.	6.1	16
22	Spin-coated cobalt telluride counter electrodes for highly efficient dye-sensitized solar cells. Materials Research Bulletin, 2019, 115, 65-69.	5.2	10
23	Hollow rod-like hybrid Co2CrO4/Co1â^'xS for high-performance asymmetric supercapacitor. Journal of Materials Science: Materials in Electronics, 2019, 30, 1045-1055.	2.2	4
24	Improving the Performance of a Perovskite Solar Cell by Adjusting the Dispersant for Titanium Dioxide. Energy Technology, 2018, 6, 677-682.	3.8	2