

Sadig Aghazada

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,792
citations

566801

15
h-index

610482

24
g-index

25
all docs

25
docs citations

25
times ranked

3323
citing authors

#	ARTICLE	IF	CITATIONS
1	A molecularly engineered hole-transporting material for efficient perovskite solar cells. <i>Nature Energy</i> , 2016, 1, .	19.8	816
2	Benzotrithiophene-Based Hole-Transporting Materials for 18.2% Perovskite Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 6270-6274.	7.2	188
3	High Open-Circuit Voltage: Fabrication of Formamidinium Lead Bromide Perovskite Solar Cells Using Fluorene-Dithiophene Derivatives as Hole-Transporting Materials. <i>ACS Energy Letters</i> , 2016, 1, 107-112.	8.8	105
4	Discerning recombination mechanisms and ideality factors through impedance analysis of high-efficiency perovskite solar cells. <i>Nano Energy</i> , 2018, 48, 63-72.	8.2	103
5	Ruthenium Complexes as Sensitizers in Dye-Sensitized Solar Cells. <i>Inorganics</i> , 2018, 6, 52.	1.2	98
6	Lead and HTM Free Stable Two-Dimensional Tin Perovskites with Suitable Band Gap for Solar Cell Applications. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1072-1076.	7.2	96
7	Ligand Engineering for the Efficient Dye-Sensitized Solar Cells with Ruthenium Sensitizers and Cobalt Electrolytes. <i>Inorganic Chemistry</i> , 2016, 55, 6653-6659.	1.9	80
8	Benzotrithiophene-Based Hole-Transporting Materials for 18.2% Perovskite Solar Cells. <i>Angewandte Chemie</i> , 2016, 128, 6378-6382.	1.6	54
9	Dye-sensitized solar cells using cobalt electrolytes: the influence of porosity and pore size to achieve high-efficiency. <i>Journal of Materials Chemistry C</i> , 2017, 5, 2833-2843.	2.7	52
10	Ionic dipolar switching hinders charge collection in perovskite solar cells with normal and inverted hysteresis. <i>Solar Energy Materials and Solar Cells</i> , 2019, 195, 291-298.	3.0	29
11	A Terminal Iron Nitrilimine Complex: Accessing the Terminal Nitride through Diazo N=N Bond Cleavage. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18547-18551.	7.2	26
12	Synthesis and Photophysical Characterization of Cyclometalated Ruthenium Complexes with N-Heterocyclic Carbene Ligands. <i>Organometallics</i> , 2017, 36, 2397-2403.	1.1	24
13	Lead and HTM Free Stable Two-Dimensional Tin Perovskites with Suitable Band Gap for Solar Cell Applications. <i>Angewandte Chemie</i> , 2019, 131, 1084-1088.	1.6	22
14	Molecular Engineering of Iridium Blue Emitters Using Aryl N-Heterocyclic Carbene Ligands. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 5089-5097.	1.0	19
15	Unraveling the Dual Character of Sulfur Atoms on Sensitizers in Dye-Sensitized Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 26827-26833.	4.0	16
16	Effect of Donor Groups on the Performance of Cyclometalated Ruthenium Sensitizers in Dye-Sensitized Solar Cells. <i>Inorganic Chemistry</i> , 2017, 56, 13437-13445.	1.9	14
17	A Crystalline Iron Terminal Methylidene. <i>Journal of the American Chemical Society</i> , 2021, 143, 17219-17225.	6.6	11
18	Cobalt Diazo-Compounds: From Nitrilimide to Isocyanamide via a Diazomethanediide Fleeting Intermediate. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 11138-11142.	7.2	10

#	ARTICLE	IF	CITATIONS
19	Molecular Engineering of Functional Materials for Energy and Opto-Electronic Applications. <i>Chimia</i> , 2015, 69, 253.	0.3	8
20	Bis(arylimidazole) Iridium Picolinate Emitters and Preferential Dipole Orientation in Films. <i>ACS Omega</i> , 2018, 3, 2673-2682.	1.6	6
21	Ein terminaler Nitriliminkomplex des Eisens: Zugang zum terminalen Nitrid durch Spaltung einer Diazo-Bindung. <i>Angewandte Chemie</i> , 2019, 131, 18719-18723.	1.6	5
22	Quasi-Solid-State Dye-Sensitized Solar Cells Based on Ru(II) Polypyridine Sensitizers. <i>Energy Technology</i> , 2016, 4, 380-384.	1.8	4
23	Bis-Tridentate-Cyclometalated Ruthenium Complexes with Extended Anchoring Ligand and Their Performance in Dye-Sensitized Solar Cells.. <i>ChemistrySelect</i> , 2018, 3, 1585-1592.	0.7	4
24	Cobalt Diazo-Compounds: From Nitrilimide to Isocynoamide via a Diazomethanediide Fleeting Intermediate. <i>Angewandte Chemie</i> , 2021, 133, 11238-11242.	1.6	1