Sadig Aghazada

List of Publications by Year
in descending order

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	Cobalt Diazoâ€Compounds: From Nitrilimide to Isocyanoamide via a Diazomethanediide Fleeting Intermediate. Angewandte Chemie, 2021, 133, 11238-11242.	1.6	1
2	Cobalt Diazoâ€Compounds: From Nitrilimide to Isocyanoamide via a Diazomethanediide Fleeting Intermediate. Angewandte Chemie - International Edition, 2021, 60, 11138-11142.	7.2	10
3	A Crystalline Iron Terminal Methylidene. Journal of the American Chemical Society, 2021, 143, 17219-17225.	6.6	11
4	A Terminal Iron Nitrilimine Complex: Accessing the Terminal Nitride through Diazo Nâˆ'N Bond Cleavage. Angewandte Chemie - International Edition, 2019, 58, 18547-18551.	7.2	26
5	Ionic dipolar switching hinders charge collection in perovskite solar cells with normal and inverted hysteresis. Solar Energy Materials and Solar Cells, 2019, 195, 291-298.	3.0	29
6	Ein terminaler Nitriliminkomplex des Eisens: Zugang zum terminalen Nitrid durch Spaltung einer Diazoâ€Nâ€Nâ€Bindung. Angewandte Chemie, 2019, 131, 18719-18723.	1.6	5
7	Lead and HTM Free Stable Twoâ€Dimensional Tin Perovskites with Suitable Band Gap for Solar Cell Applications. Angewandte Chemie, 2019, 131, 1084-1088.	1.6	22
8	Lead and HTM Free Stable Twoâ€Dimensional Tin Perovskites with Suitable Band Gap for Solar Cell Applications. Angewandte Chemie - International Edition, 2019, 58, 1072-1076.	7.2	96
9	Bis(arylimidazole) Iridium Picolinate Emitters and Preferential Dipole Orientation in Films. ACS Omega, 2018, 3, 2673-2682.	1.6	6
10	Bisâ€Tridentateâ€Cyclometalated Ruthenium Complexes with Extended Anchoring Ligand and Their Performance in Dyeâ€Sensitized Solar Cells.. ChemistrySelect, 2018, 3, 1585-1592.	0.7	4
11	Discerning recombination mechanisms and ideality factors through impedance analysis of high-efficiency perovskite solar cells. Nano Energy, 2018, 48, 63-72.	8.2	103
12	Ruthenium Complexes as Sensitizers in Dye-Sensitized Solar Cells. Inorganics, 2018, 6, 52.	1.2	98
13	Dye-sensitized solar cells using cobalt electrolytes: the influence of porosity and pore size to achieve high-efficiency. Journal of Materials Chemistry C, 2017, 5, 2833-2843.	2.7	52
14	Synthesis and Photophysical Characterization of Cyclometalated Ruthenium Complexes with N-Heterocyclic Carbene Ligands. Organometallics, 2017, 36, 2397-2403.	1.1	24
15	Effect of Donor Groups on the Performance of Cyclometalated Ruthenium Sensitizers in Dye-Sensitized Solar Cells. Inorganic Chemistry, 2017, 56, 13437-13445.	1.9	14
16	Benzotrithiopheneâ€Based Holeâ€Transporting Materials for 18.2â€‰% Perovskite Solar Cells. Angewandte Chemie - International Edition, 2016, 55, 6270-6274.	7.2	188
17	Quasiâ€Solidâ€State Dyeâ€Sensitized Solar Cells Based on Ru(II) Polypyridine Sensitizers. Energy Technology, 2016, 4, 380-384.	1.8	4
18	High Open-Circuit Voltage: Fabrication of Formamidinium Lead Bromide Perovskite Solar Cells Using Fluoreneâ€"Dithiophene Derivatives as Hole-Transporting Materials. ACS Energy Letters, 2016, 1, 107-112.	8.8	105

#	Article	IF	Citations
19	Unraveling the Dual Character of Sulfur Atoms on Sensitizers in Dye-Sensitized Solar Cells. ACS Applied Materials & Interfaces, 2016, 8, 26827-26833.	4.0	16
20	Molecular Engineering of Iridium Blue Emitters Using Aryl N-Heterocyclic Carbene Ligands. European Journal of Inorganic Chemistry, 2016, 2016, 5089-5097.	1.0	19
21	A molecularly engineered hole-transporting material for efficient perovskite solar cells. Nature Energy, 2016, 1, .	19.8	816
22	Benzotrithiopheneâ€Based Holeâ€Transporting Materials for 18.2â€‰% Perovskite Solar Cells. Angewandte Chemie, 2016, 128, 6378-6382.	1.6	54
23	Ligand Engineering for the Efficient Dye-Sensitized Solar Cells with Ruthenium Sensitizers and Cobalt Electrolytes. Inorganic Chemistry, 2016, 55, 6653-6659.	1.9	80
24	Molecular Engineering of Functional Materials for Energy and Opto-Electronic Applications. Chimia, 2015, 69, 253.	0.3	8