

Silvia Collavini

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

729
citations

759233

12
h-index

794594

19
g-index

25
all docs

25
docs citations

25
times ranked

1314
citing authors

#	ARTICLE	IF	CITATIONS
1	Organic Charge Carriers for Perovskite Solar Cells. ChemSusChem, 2015, 8, 3012-3028.	6.8	109
2	Understanding the Outstanding Power Conversion Efficiency of Perovskite-Based Solar Cells. Angewandte Chemie - International Edition, 2015, 54, 9757-9759.	13.8	108
3	Fullerenes: the stars of photovoltaics. Sustainable Energy and Fuels, 2018, 2, 2480-2493.	4.9	99
4	Modified Fullerenes for Efficient Electron Transport Layer-Free Perovskite/Fullerene Blend-Based Solar Cells. ChemSusChem, 2017, 10, 2023-2029.	6.8	79
5	Poly(ethylene glycol)-[60]Fullerene-Based Materials for Perovskite Solar Cells with Improved Moisture Resistance and Reduced Hysteresis. ChemSusChem, 2018, 11, 1032-1039.	6.8	57
6	Efficient Regular Perovskite Solar Cells Based on Pristine [70]Fullerene as Electron-Selective Contact. ChemSusChem, 2016, 9, 1263-1270.	6.8	54
7	Dopant-Free Hole-Transporting Polymers for Efficient and Stable Perovskite Solar Cells. Macromolecules, 2019, 52, 2243-2254.	4.8	50
8	Organic Polymers as Additives in Perovskite Solar Cells. Macromolecules, 2021, 54, 5451-5463.	4.8	42
9	Carbon Nanoforms in Perovskite-Based Solar Cells. Advanced Energy Materials, 2017, 7, 1601000.	19.5	31
10	Fullerene-Based Materials as Hole-Transporting/Electron-Blocking Layers: Applications in Perovskite Solar Cells. Chemistry - A European Journal, 2018, 24, 8524-8529.	3.3	25
11	Unravelling fullerene-perovskite interactions introduces advanced blend films for performance-improved solar cells. Sustainable Energy and Fuels, 2019, 3, 2779-2787.	4.9	16
12	Perovskite Solar Cells Based on Oligotriarylamine Hexaarylbenzene as Hole-Transporting Materials. Organic Letters, 2019, 21, 3261-3264.	4.6	12
13	Naphthalene Diimide-Based Molecules for Efficient and Stable Perovskite Solar Cells. European Journal of Organic Chemistry, 2020, 2020, 5329-5339.	2.4	10
14	Doping strategies of organic n-type materials in perovskite solar cells: a chemical perspective. Sustainable Energy and Fuels, 2020, 4, 3264-3281.	4.9	10
15	Dendritic-Like Molecules Built on a Pillar[5]arene Core as Hole Transporting Materials for Perovskite Solar Cells. Chemistry - A European Journal, 2021, 27, 8110-8117.	3.3	9
16	A partially-planarised hole-transporting quart-phenylene for perovskite solar cells. Journal of Materials Chemistry C, 2019, 7, 4332-4335.	5.5	6
17	Efficient and Stable Perovskite Solar Cells based on Nitrogen-Doped Carbon Nanodots. Energy Technology, 2022, 10, .	3.8	4
18	Triarylamine Enriched Organostannoxane Drums: Synthesis, Optoelectrochemical Properties, Association Studies, and Gelation Behavior. Inorganic Chemistry, 2022, 61, 4046-4055.	4.0	1

#	ARTICLE	IF	CITATIONS
19	Dendritic-Like Molecules Built on a Pillar[5]arene Core as Hole Transporting Materials for Perovskite Solar Cells. Chemistry - A European Journal, 2021, 27, 8061-8061.	3.3	0