InÃ©s GarcÃa-Benito

List of Publications by Year
in descending order

29 papers	1,730 citations	430874 18 h-index	501196 28 g-index
29 all docs	29 docs citations	29 times ranked	2777 citing authors

#	Article	IF	Citations
1	Revealing Weak Dimensional Confinement Effects in Excitonic Silver/Bismuth Double Perovskites. Jacs Au, 2022, 2, 136-149.	7.9	12
2	Surfaceâ€Assisted Synthesis of N<i>â€‹</i>Containing <i>Ï€</i>â€Conjugated Polymers. Advanced Science, 2022, 9, .	11.2	7
3	Chalcogen-Containing Hole Transporting Materials. Bulletin of the Chemical Society of Japan, 2021, 94, 1311-1323.	3.2	1
4	Hole-Transporting Materials for Perovskite Solar Cells Employing an Anthradithiophene Core. ACS Applied Materials & Interfaces, 2021, 13, 28214-28221.	8.0	30
5	2D/3D perovskite engineering eliminates interfacial recombination losses in hybrid perovskite solar cells. CheM, 2021, 7, 1903-1916.	11.7	108
6	Improving the Longâ€Term Stability of Doped Spiroâ€Type Holeâ€Transporting Materials in Planar Perovskite Solar Cells. Solar Rrl, 2021, 5, 2100650.	5.8	6
7	Tetrasubstituted Thieno[3,2-<i>b</i>]thiophenes as Hole-Transporting Materials for Perovskite Solar Cells. Journal of Organic Chemistry, 2020, 85, 224-233.	3.2	20
8	Dynamical evolution of the 2D/3D interface: a hidden driver behind perovskite solar cell instability. Journal of Materials Chemistry A, 2020, 8, 2343-2348.	10.3	112
9	Optoelectronic and Energy Level Exploration of Bismuth and Antimony-Based Materials for Lead-Free Solar Cells. Chemistry of Materials, 2020, 32, 6416-6424.	6.7	40
10	Spatial Charge Separation as the Origin of Anomalous Stark Effect in Fluorous 2D Hybrid Perovskites. Advanced Functional Materials, 2020, 30, 2000228.	14.9	12
11	Azatruxeneâ€Based, Dumbbellâ€Shaped, Donorâ€"Ï€â€Bridgeâ€"Donor Holeâ€Transporting Materials for Perovskite Solar Cells. Chemistry - A European Journal, 2020, 26, 11039-11047.	3.3	15
12	Vacuum-Induced Degradation of 2D Perovskites. Frontiers in Chemistry, 2020, 8, 66.	3.6	19
13	Inkjetâ€Printed TiO₂/Fullerene Composite Films for Planar Perovskite Solar Cells. Helvetica Chimica Acta, 2020, 103, e2000044.	1.6	6
14	Saddle-like, Ï€-conjugated, cyclooctatetrathiophene-based, hole-transporting material for perovskite solar cells. Journal of Materials Chemistry C, 2019, 7, 6656-6663.	5.5	27
15	Nonâ€Planar and Flexible Holeâ€Transporting Materials from Bisâ€Xanthene and Bisâ€Thioxanthene Units for Perovskite Solar Cells. Helvetica Chimica Acta, 2019, 102, e1900056.	1.6	3
16	Energy alignment and recombination in perovskite solar cells: weighted influence on the open circuit voltage. Energy and Environmental Science, 2019, 12, 1309-1316.	30.8	106
17	Pushing the limit of Cs incorporation into FAPbBr3 perovskite to enhance solar cells performances. APL Materials, 2019, 7, .	5.1	33
18	Fluorination of Organic Spacer Impacts on the Structural and Optical Response of 2D Perovskites. Frontiers in Chemistry, 2019, 7, 946.	3.6	14

#	Article	IF	Citations
19	Hole transporting materials for perovskite solar cells: a chemical approach. Chemical Society Reviews, 2018, 47, 8541-8571.	38.1	344
20	Fashioning Fluorous Organic Spacers for Tunable and Stable Layered Hybrid Perovskites. Chemistry of Materials, 2018, 30, 8211-8220.	6.7	35
21	Hysteresis-Free Lead-Free Double-Perovskite Solar Cells by Interface Engineering. ACS Energy Letters, 2018, 3, 1781-1786.	17.4	182
22	Perovskite Solar Cells: Heteroatom Effect on Starâ€Shaped Holeâ€Transporting Materials for Perovskite Solar Cells (Adv. Funct. Mater. 31/2018). Advanced Functional Materials, 2018, 28, 1870217.	14.9	0
23	Heteroatom Effect on Starâ€Shaped Holeâ€Transporting Materials for Perovskite Solar Cells. Advanced Functional Materials, 2018, 28, 1801734.	14.9	62
24	Isomerism effect on the photovoltaic properties of benzotrithiophene-based hole-transporting materials. Journal of Materials Chemistry A, 2017, 5, 8317-8324.	10.3	86
25	Modified Fullerenes for Efficient Electron Transport Layerâ€Free Perovskite/Fullerene Blendâ€Based Solar Cells. ChemSusChem, 2017, 10, 2023-2029.	6.8	79
26	Benzotrithiopheneâ€Based Holeâ€Transporting Materials for 18.2â€‰% Perovskite Solar Cells. Angewandte Chemie - International Edition, 2016, 55, 6270-6274.	13.8	188
27	Analysis of the Hysteresis Behavior of Perovskite Solar Cells with Interfacial Fullerene Self-Assembled Monolayers. Journal of Physical Chemistry Letters, 2016, 7, 4622-4628.	4.6	68
28	Benzotrithiopheneâ€Based Holeâ€Transporting Materials for 18.2â€‰% Perovskite Solar Cells. Angewandte Chemie, 2016, 128, 6378-6382.	2.0	54
29	Diarylamino-substituted tetraarylethene (TAE) as an efficient and robust hole transport material for 11% methyl ammonium lead iodide perovskite solar cells. Chemical Communications, 2015, 51, 13980-13982.	4.1	61