Abdelhak Belaidi

List of Publications by Year
in descending order

25 papers	1,061 citations	567281 15 h-index	713466 21 g-index
25 all docs	25 docs citations	25 times ranked	1962 citing authors

#	Article	IF	Citations
1	Implications of the Negative Capacitance Observed at Forward Bias in Nanocomposite and Polycrystalline Solar Cells. Nano Letters, 2006, 6, 640-650.	9.1	217
2	Charge Separation in Type II Tunneling Multilayered Structures of CdTe and CdSe Nanocrystals Directly Proven by Surface Photovoltage Spectroscopy. Journal of the American Chemical Society, 2010, 132, 5981-5983.	13.7	133
3	Copper Thiocyanate Inorganic Hole-Transporting Material for High-Efficiency Perovskite Solar Cells. ACS Energy Letters, 2016, 1, 1112-1117.	17.4	115
4	CuSCN as Hole Transport Material with 3D/2D Perovskite Solar Cells. ACS Applied Energy Materials, 2020, 3, 114-121.	5.1	83
5	Controlled growth of Cu2O thin films by electrodeposition approach. Materials Science in Semiconductor Processing, 2017, 63, 203-211.	4.0	74
6	Observation of Diffusion and Tunneling Recombination of Dye-Photoinjected Electrons in Ultrathin TiO2Layers by Surface Photovoltage Transients. Journal of Physical Chemistry B, 2005, 109, 14932-14938.	2.6	62
7	Nanoscale Interaction Between CdSe or CdTe Nanocrystals and Molecular Dyes Fostering or Hindering Directional Charge Separation. Small, 2010, 6, 221-225.	10.0	59
8	Improving stability of organometallic-halide perovskite solar cells using exfoliation two-dimensional molybdenum chalcogenides. Npj 2D Materials and Applications, 2020, 4, .	7.9	49
9	Solution-processed perovskite-colloidal quantum dot tandem solar cells for photon collection beyond 1000 nm. Journal of Materials Chemistry A, 2019, 7, 26020-26028.	10.3	44
10	Machine Learning Accelerated Recovery of the Cubic Structure in Mixed-Cation Perovskite Thin Films. Chemistry of Materials, 2020, 32, 2998-3006.	6.7	42
11	Transparent and conductive Ti3C2Tx (MXene) thin film fabrication by electrohydrodynamic atomization technique. Journal of Materials Science: Materials in Electronics, 2016, 27, 5440-5445.	2.2	41
12	Inorganic solid state solar cell with ultra-thin nanocomposite absorber based on nanoporous TiO2 and In2S3. Energy and Environmental Science, 2009, 2, 962.	30.8	35
13	Femtosecond Chargeâ€Injection Dynamics at Hybrid Perovskite Interfaces. ChemPhysChem, 2017, 18, 2381-2389.	2.1	24
14	Intrinsic stability enhancement and ionic migration reduction by fluorinated cations incorporated in hybrid lead halide perovskites. Journal of Materials Chemistry C, 2019, 7, 5299-5306.	5.5	17
15	Highly structured TiO2/In(OH)xSy/PbS/PEDOT:PSS to be used in photovoltaic applications. Comptes Rendus Chimie, 2006, 9, 730-734.	0.5	15
16	Record-Efficiency n-Type and High-Efficiency p-Type Monolike Silicon Heterojunction Solar Cells with a High-Temperature Gettering Process. ACS Applied Energy Materials, 2019, 2, 4900-4906.	5.1	13
17	Inkjetâ€Printed Compact TiO₂ Electron Transport Layer for Perovskite Solar Cells. Energy Technology, 2020, 8, 2000330.	3.8	12
18	Consequence of aging at Au/HTM/perovskite interface in triple cation 3D and 2D/3D hybrid perovskite solar cells. Scientific Reports, 2021, 11, 33.	3.3	12

#	Article	IF	Citations
19	Observation of Structural Phase Transitions and PbI₂ Formation During the Degradation of Triple-Cation Double-Halide Perovskites. ACS Applied Energy Materials, 2020, 3, 6302-6309.	5.1	11
20	Unusual Bimodal Photovoltaic Performance of Perovskite Solar Cells at Real-World Operating Temperatures. Journal of Physical Chemistry C, 2020, 124, 9118-9125.	3.1	2
21	Photoluminescence quenching, structures, and photovoltaic properties of ZnO nanostructures decorated plasma grown single walled carbon nanotubes. Journal of Nanoparticle Research, 2017, 19, 1.	1.9	1
22	Growth of Hybrid Perovskites (HP) Light Harvesting Layer and TiO 2 Electron Transport Material for Solar Cells Application. , 2016, , .		0
23	CuI and CuSCN as Hole Transport Materials for Perovskite Solar Cells. , 2018, , .		0
24	Heterojunction Solar Cells Exceeding 20% Efficiency Using Gettered Monolike Silicon Wafers. , 2018, , .		0
25	Solution-processed Perovskite-colloidal Quantum Dot Tandem Solar Cells for Photon Collection Beyond 1000 nm. , 0, , .		0