

# Abdelhak Belaidi

## List of Publications by Year in descending order

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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	Consequence of aging at Au/HTM/perovskite interface in triple cation 3D and 2D/3D hybrid perovskite solar cells. <i>Scientific Reports</i> , 2021, 11, 33.	3.3	12
2	CuSCN as Hole Transport Material with 3D/2D Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2020, 3, 114-121.	5.1	83
3	Improving stability of organometallic-halide perovskite solar cells using exfoliation two-dimensional molybdenum chalcogenides. <i>Npj 2D Materials and Applications</i> , 2020, 4, .	7.9	49
4	Inkjet-Printed Compact TiO <sub>2</sub> Electron Transport Layer for Perovskite Solar Cells. <i>Energy Technology</i> , 2020, 8, 2000330.	3.8	12
5	Observation of Structural Phase Transitions and PbI <sub>2</sub> Formation During the Degradation of Triple-Cation Double-Halide Perovskites. <i>ACS Applied Energy Materials</i> , 2020, 3, 6302-6309.	5.1	11
6	Machine Learning Accelerated Recovery of the Cubic Structure in Mixed-Cation Perovskite Thin Films. <i>Chemistry of Materials</i> , 2020, 32, 2998-3006.	6.7	42
7	Unusual Bimodal Photovoltaic Performance of Perovskite Solar Cells at Real-World Operating Temperatures. <i>Journal of Physical Chemistry C</i> , 2020, 124, 9118-9125.	3.1	2
8	Record-Efficiency n-Type and High-Efficiency p-Type Monolike Silicon Heterojunction Solar Cells with a High-Temperature Gettering Process. <i>ACS Applied Energy Materials</i> , 2019, 2, 4900-4906.	5.1	13
9	Intrinsic stability enhancement and ionic migration reduction by fluorinated cations incorporated in hybrid lead halide perovskites. <i>Journal of Materials Chemistry C</i> , 2019, 7, 5299-5306.	5.5	17
10	Solution-processed perovskite-colloidal quantum dot tandem solar cells for photon collection beyond 1000 nm. <i>Journal of Materials Chemistry A</i> , 2019, 7, 26020-26028.	10.3	44
11	CuI and CuSCN as Hole Transport Materials for Perovskite Solar Cells. , 2018, , .		0
12	Heterojunction Solar Cells Exceeding 20% Efficiency Using Gettered Monolike Silicon Wafers. , 2018, , .		0
13	Controlled growth of Cu <sub>2</sub> O thin films by electrodeposition approach. <i>Materials Science in Semiconductor Processing</i> , 2017, 63, 203-211.	4.0	74
14	Photoluminescence quenching, structures, and photovoltaic properties of ZnO nanostructures decorated plasma grown single walled carbon nanotubes. <i>Journal of Nanoparticle Research</i> , 2017, 19, 1.	1.9	1
15	Femtosecond Charge Injection Dynamics at Hybrid Perovskite Interfaces. <i>ChemPhysChem</i> , 2017, 18, 2381-2389.	2.1	24
16	Growth of Hybrid Perovskites (HP) Light Harvesting Layer and TiO <sub>2</sub> Electron Transport Material for Solar Cells Application. , 2016, , .		0
17	Copper Thiocyanate Inorganic Hole-Transporting Material for High-Efficiency Perovskite Solar Cells. <i>ACS Energy Letters</i> , 2016, 1, 1112-1117.	17.4	115
18	Transparent and conductive Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> (MXene) thin film fabrication by electrohydrodynamic atomization technique. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 5440-5445.	2.2	41

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19	Nanoscale Interaction Between CdSe or CdTe Nanocrystals and Molecular Dyes Fostering or Hindering Directional Charge Separation. <i>Small</i> , 2010, 6, 221-225.	10.0	59
20	Charge Separation in Type II Tunneling Multilayered Structures of CdTe and CdSe Nanocrystals Directly Proven by Surface Photovoltage Spectroscopy. <i>Journal of the American Chemical Society</i> , 2010, 132, 5981-5983.	13.7	133
21	Inorganic solid state solar cell with ultra-thin nanocomposite absorber based on nanoporous TiO <sub>2</sub> and In <sub>2</sub> S <sub>3</sub> . <i>Energy and Environmental Science</i> , 2009, 2, 962.	30.8	35
22	Implications of the Negative Capacitance Observed at Forward Bias in Nanocomposite and Polycrystalline Solar Cells. <i>Nano Letters</i> , 2006, 6, 640-650.	9.1	217
23	Highly structured TiO <sub>2</sub> /In(OH) <sub>x</sub> S <sub>y</sub> /PbS/PEDOT:PSS to be used in photovoltaic applications. <i>Comptes Rendus Chimie</i> , 2006, 9, 730-734.	0.5	15
24	Observation of Diffusion and Tunneling Recombination of Dye-Photoinjected Electrons in Ultrathin TiO <sub>2</sub> Layers by Surface Photovoltage Transients. <i>Journal of Physical Chemistry B</i> , 2005, 109, 14932-14938.	2.6	62
25	Solution-processed Perovskite-colloidal Quantum Dot Tandem Solar Cells for Photon Collection Beyond 1000 nm. , 0, , .		0