

# Mejd Alsari

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/481035/mejd-alsari-publications-by-citations.pdf>

**Version:** 2024-04-29

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

40  
papers

3,632  
citations

21  
h-index

45  
g-index

45  
ext. papers

4,153  
ext. citations

13.3  
avg, IF

4.91  
L-index

#	Paper	IF	Citations
40	Maximizing and stabilizing luminescence from halide perovskites with potassium passivation. <i>Nature</i> , <b>2018</b> , 555, 497-501	50.4	975
39	High-efficiency perovskite/polymer bulk heterostructure light-emitting diodes. <i>Nature Photonics</i> , <b>2018</b> , 12, 783-789	33.9	511
38	Photon recycling in lead iodide perovskite solar cells. <i>Science</i> , <b>2016</b> , 351, 1430-3	33.3	501
37	Lattice strain causes non-radiative losses in halide perovskites. <i>Energy and Environmental Science</i> , <b>2019</b> , 12, 596-606	35.4	211
36	Real-Time Investigation of Crystallization and Phase-Segregation Dynamics in P3HT:PCBM Solar Cells During Thermal Annealing. <i>Advanced Functional Materials</i> , <b>2011</b> , 21, 1701-1708	15.6	197
35	X-ray imaging with scintillator-sensitized hybrid organic photodetectors. <i>Nature Photonics</i> , <b>2015</b> , 9, 843-848	33.9	184
34	Dynamics of Crystallization and Disorder during Annealing of P3HT/PCBM Bulk Heterojunctions. <i>Macromolecules</i> , <b>2011</b> , 44, 2725-2734	5.5	171
33	The development of nanoscale morphology in polymer:fullerene photovoltaic blends during solvent casting. <i>Soft Matter</i> , <b>2010</b> , 6, 4128	3.6	115
32	Dependence of Charge Separation Efficiency on Film Microstructure in Poly(3-hexylthiophene-2,5-diyl):[6,6]-Phenyl-C61 Butyric Acid Methyl Ester Blend Films. <i>Journal of Physical Chemistry Letters</i> , <b>2010</b> , 1, 734-738	6.4	98
31	Surface and Bulk Structural Characterization of a High-Mobility Electron-Transporting Polymer. <i>Macromolecules</i> , <b>2011</b> , 44, 1530-1539	5.5	96
30	Dedoping of Lead Halide Perovskites Incorporating Monovalent Cations. <i>ACS Nano</i> , <b>2018</b> , 12, 7301-7311	16.7	73
29	The role of alkane dithiols in controlling polymer crystallization in small band gap polymer:Fullerene solar cells. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2011</b> , 49, 717-724	2.6	71
28	In situ simultaneous photovoltaic and structural evolution of perovskite solar cells during film formation. <i>Energy and Environmental Science</i> , <b>2018</b> , 11, 383-393	35.4	67
27	Monitoring the Formation of a CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3-x</sub> Cl <sub>x</sub> Perovskite during Thermal Annealing Using X-Ray Scattering. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 4934-4942	15.6	52
26	Influence of Bridging Atom and Side Chains on the Structure and Crystallinity of Cyclopentadithiophene/Benzothiadiazole Polymers. <i>Chemistry of Materials</i> , <b>2014</b> , 26, 1226-1233	9.6	48
25	Degradation Kinetics of Inverted Perovskite Solar Cells. <i>Scientific Reports</i> , <b>2018</b> , 8, 5977	4.9	39
24	Localized effect of PbI <sub>2</sub> excess in perovskite solar cells probed by high-resolution chemical/optoelectronic mapping. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 23010-23018	13	33

23	Inkjet-printed organic photodiodes. <i>Thin Solid Films</i> , <b>2011</b> , 520, 610-615	2.2	29
22	Grain rotation and lattice deformation during perovskite spray coating and annealing probed in situ by GI-WAXS. <i>CrystEngComm</i> , <b>2016</b> , 18, 5448-5455	3.3	24
21	Mapping Morphological and Structural Properties of Lead Halide Perovskites by Scanning Nanofocus XRD. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 8221-8230	15.6	22
20	Oligo(aniline) nanofilms: from molecular architecture to microstructure. <i>Soft Matter</i> , <b>2013</b> , 9, 10501	3.6	21
19	Bimodal crystallization at polymer-fullerene interfaces. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 2216-27	3.6	18
18	Effects of thermal annealing upon the nanomorphology of poly(3-hexylselenophene)-PCBM blends. <i>Macromolecular Rapid Communications</i> , <b>2011</b> , 32, 1454-60	4.8	15
17	MATLAB modeling and simulation of photovoltaic modules <b>2012</b> ,		13
16	The Path to Perovskite on Silicon PV <b>2018</b> , 1, 1-8		13
15	Absence of Structural Impact of Noble Nanoparticles on P3HT:PCBM Blends for Plasmon-Enhanced Bulk-Heterojunction Organic Solar Cells Probed by Synchrotron GI-XRD. <i>Scientific Reports</i> , <b>2015</b> , 5, 10633	4.9	12
14	The Influence of Substrate and Top Electrode on the Crystallization Dynamics of P3HT: PCBM Blends. <i>Energy Procedia</i> , <b>2012</b> , 31, 60-68	2.3	7
13	Detrimental Effect of Silicon Nanoparticles on P3HT:PCBM-Based OPV Devices. <i>Macromolecular Chemistry and Physics</i> , <b>2015</b> , 216, 1155-1160	2.6	5
12	Back-Contact Perovskite Solar Cells <b>2019</b> , 1, 1-10		4
11	Perovskite LEDs <b>2019</b> , 1, 1-5		3
10	Why Governments Should Invest More in Fundamental Research <b>2019</b> , 1, 1-3		1
9	MATLAB Modeling and Simulation of Photovoltaic Modules. <i>Advanced Materials Research</i> , <b>2012</b> , 512-515, 246-249	0.5	
8	The Discovery of the First Exoplanet Orbiting a Solar-Type Star <b>2020</b> , 1, 1-3		
7	Are we going to Alpha Centauri? <b>2020</b> , 1, 1-4		
6	The Ribosome Under Synchrotron Light <b>2018</b> , 1, 1-5		

5 Breakthrough Discoveries vs Incremental Science **2020**, 1, 1-3

4 The Nobel Prize Factory **2020**, 1, 1-3

3 History of Cryo-EM **2020**, 1, 1-4

2 Radiation Sources in Structural Biology **2020**, 1, 1-3

1 Perovskite Films: Mapping Morphological and Structural Properties of Lead Halide Perovskites by Scanning Nanofocus XRD (Adv. Funct. Mater. 45/2016). *Advanced Functional Materials*, **2016**, 26, 8220-8220<sup>156</sup>