

# Joydeep Munshi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8132/publications.pdf>

Version: 2024-02-01

16  
papers

188  
citations

1163065

8  
h-index

1058452

14  
g-index

16  
all docs

16  
docs citations

16  
times ranked

172  
citing authors

#	ARTICLE	IF	CITATIONS
1	Solution Processing Dependent Bulk Heterojunction Nanomorphology of P3HT/PCBM Thin Films. ACS Applied Materials & Interfaces, 2019, 11, 17056-17067.	8.0	25
2	Low energy atomic traps sluggishize the diffusion in compositionally complex refractory alloys. Intermetallics, 2021, 131, 107106.	3.9	25
3	Transfer Learned Designer Polymers For Organic Solar Cells. Journal of Chemical Information and Modeling, 2021, 61, 134-142.	5.4	22
4	Composition and processing dependent miscibility of P3HT and PCBM in organic solar cells by coarse-grained molecular simulations. Computational Materials Science, 2018, 155, 112-115.	3.0	21
5	A Spectral Density Function Approach for Active Layer Design of Organic Photovoltaic Cells. Journal of Mechanical Design, Transactions of the ASME, 2018, 140, .	2.9	20
6	Effect of polydispersity on the bulk heterojunction morphology of P3HT:PCBM solar cells. Journal of Polymer Science, Part B: Polymer Physics, 2019, 57, 895-903.	2.1	20
7	Elasto-morphology of P3HT:PCBM bulk heterojunction organic solar cells. Soft Matter, 2020, 16, 6743-6751.	2.7	14
8	Investigating blend morphology of P3HT:PCBM bulk heterojunction solar cells by classical atomistic simulations – Progress and prospects. Soft Materials, 2020, 18, 163-176.	1.7	9
9	Machine learned metaheuristic optimization of the bulk heterojunction morphology in P3HT:PCBM thin films. Computational Materials Science, 2021, 187, 110119.	3.0	7
10	Scalable Adaptive Batch Sampling in Simulation-Based Design With Heteroscedastic Noise. Journal of Mechanical Design, Transactions of the ASME, 2021, 143, .	2.9	7
11	A Spectral Density Function Approach for Design of Organic Photovoltaic Cells. , 2018, , .		5
12	Designing active layer of organic solar cells using multi-fidelity molecular simulations and spectral density function. Computational Materials Science, 2022, 211, 111491.	3.0	4
13	Elongated Nanodomains and Molecular Intermixing Induced Doping in Organic Photovoltaic Active Layers with Electric Field Treatment. ACS Applied Polymer Materials, 2020, 2, 335-341.	4.4	3
14	Effect of vacancy defects on the thermal transport of $\text{In}^{2-}\text{Ga}_{2-}\text{O}_{3-}$ . Molecular Simulation, 2021, 47, 1017-1021.	2.0	3
15	4D &gt;Crystal: Deep Learning Crystallographic Information From Electron Diffraction Images. Microscopy and Microanalysis, 2021, 27, 2774-2776.	0.4	2
16	Open-Source Tools and Containers for the Production of Large-Scale S/TEM Datasets. Microscopy and Microanalysis, 2021, 27, 62-63.	0.4	1