

Valentina Belova

List of Publications by Year in descending order

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21
papers

290
citations

933447

10
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888059

17
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21
all docs

21
docs citations

21
times ranked

527
citing authors

#	ARTICLE	IF	CITATIONS
1	Thin films of electron donor-acceptor complexes: characterisation of mixed-crystalline phases and implications for electrical doping. <i>Materials Advances</i> , 2022, 3, 1017-1034.	5.4	3
2	Effect of Quencher, Geometry, and Light Outcoupling on the Determination of Exciton Diffusion Length in Nonfullerene Acceptors. <i>Solar Rrl</i> , 2022, 6, .	5.8	2
3	X-ray reflectivity from curved surfaces as illustrated by a graphene layer on molten copper. <i>Journal of Synchrotron Radiation</i> , 2022, 29, 711-720.	2.4	8
4	Identifying structure-absorption relationships and predicting absorption strength of non-fullerene acceptors for organic photovoltaics. <i>Energy and Environmental Science</i> , 2022, 15, 2958-2973.	30.8	22
5	Polymorphism and structure formation in copper phthalocyanine thin films. <i>Journal of Applied Crystallography</i> , 2021, 54, 203-210.	4.5	6
6	Thin film growth of phase-separating phthalocyanine-fullerene blends: A combined experimental and computational study. <i>Physical Review Materials</i> , 2021, 5, .	2.4	2
7	Color-tunable hybrid heterojunctions as semi-transparent photovoltaic windows for photoelectrochemical water splitting. <i>Cell Reports Physical Science</i> , 2021, 2, 100676.	5.6	3
8	Structure-Dependent Charge Transfer in Molecular Perylene-Based Donor/Acceptor Systems and Role of Side Chains. <i>Journal of Physical Chemistry C</i> , 2020, 124, 11639-11651.	3.1	10
9	Ordered Donor-Acceptor Complex Formation and Electron Transfer in Co-deposited Films of Structurally Dissimilar Molecules. <i>Journal of Physical Chemistry C</i> , 2020, 124, 11023-11031.	3.1	6
10	Ground-state charge-transfer interactions in donor:acceptor pairs of organic semiconductors - a spectroscopic study of two representative systems. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 17190-17199.	2.8	13
11	Excited-State Dynamics in Perylene-Based Organic Semiconductor Thin Films: Theory Meets Experiment. <i>Journal of Physical Chemistry C</i> , 2019, 123, 27561-27572.	3.1	18
12	Singlet exciton fission via an intermolecular charge transfer state in coevaporated pentacene-perfluoropentacene thin films. <i>Journal of Chemical Physics</i> , 2019, 151, 164706.	3.0	22
13	Real-Time Structural and Optical Study of Growth and Packing Behavior of Perylene Diimide Derivative Thin Films: Influence of Side-Chain Modification. <i>Journal of Physical Chemistry C</i> , 2018, 122, 8589-8601.	3.1	19
14	Function Follows Form: Correlation between the Growth and Local Emission of Perovskite Structures and the Performance of Solar Cells. <i>Advanced Functional Materials</i> , 2017, 27, 1701433.	14.9	26
15	Time-resolved photoluminescence spectroscopy of charge transfer states in blends of pentacene and perfluoropentacene. <i>Physica Status Solidi - Rapid Research Letters</i> , 2017, 11, 1700064.	2.4	10
16	Evidence for Anisotropic Electronic Coupling of Charge Transfer States in Weakly Interacting Organic Semiconductor Mixtures. <i>Journal of the American Chemical Society</i> , 2017, 139, 8474-8486.	13.7	40
17	Growth, Structure, and Anisotropic Optical Properties of Difluoro-anthradithiophene Thin Films. <i>Journal of Physical Chemistry C</i> , 2017, 121, 21011-21017.	3.1	11
18	Ultrafast Excited State Dynamics in Diindenoperylene Films. <i>Journal of Physical Chemistry C</i> , 2017, 121, 17900-17906.	3.1	7

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19	Epitaxial Growth of an Organic p-n Heterojunction: C ₆₀ on Single-Crystal Pentacene. ACS Applied Materials & Interfaces, 2016, 8, 13499-13505.	8.0	49
20	Growth and annealing kinetics of 1,4-sexithiophene and fullerene C ₆₀ mixed films. Journal of Applied Crystallography, 2016, 49, 1266-1275.	4.5	10
21	Peculiar dielectric properties of poly(diphenylene phthalide) at elevated temperatures. Technical Physics, 2015, 60, 588-591.	0.7	3