

Valentina Belova

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

290
citations

933447

10
h-index

888059

17
g-index

21
all docs

21
docs citations

21
times ranked

527
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Evidence for Anisotropic Electronic Coupling of Charge Transfer States in Weakly Interacting Organic Semiconductor Mixtures. Journal of the American Chemical Society, 2017, 139, 8474-8486.	13.7	40
3	Function Follows Form: Correlation between the Growth and Local Emission of Perovskite Structures and the Performance of Solar Cells. Advanced Functional Materials, 2017, 27, 1701433.	14.9	26
4	Singlet exciton fission via an intermolecular charge transfer state in coevaporated pentacene-perfluoropentacene thin films. Journal of Chemical Physics, 2019, 151, 164706.	3.0	22
5	Identifying structure-absorption relationships and predicting absorption strength of non-fullerene acceptors for organic photovoltaics. Energy and Environmental Science, 2022, 15, 2958-2973.	30.8	22
6	Real-Time Structural and Optical Study of Growth and Packing Behavior of Perylene Diimide Derivative Thin Films: Influence of Side-Chain Modification. Journal of Physical Chemistry C, 2018, 122, 8589-8601.	3.1	19
7	Excited-State Dynamics in Perylene-Based Organic Semiconductor Thin Films: Theory Meets Experiment. Journal of Physical Chemistry C, 2019, 123, 27561-27572.	3.1	18
8	Ground-state charge-transfer interactions in donor:acceptor pairs of organic semiconductors – a spectroscopic study of two representative systems. Physical Chemistry Chemical Physics, 2019, 21, 17190-17199.	2.8	13
9	Growth, Structure, and Anisotropic Optical Properties of Difluoro-anthradithiophene Thin Films. Journal of Physical Chemistry C, 2017, 121, 21011-21017.	3.1	11
10	Growth and annealing kinetics of 1,6-sextiophene and fullerene C ₆₀ mixed films. Journal of Applied Crystallography, 2016, 49, 1266-1275.	4.5	10
11	Time-resolved photoluminescence spectroscopy of charge transfer states in blends of pentacene and perfluoropentacene. Physica Status Solidi - Rapid Research Letters, 2017, 11, 1700064.	2.4	10
12	Structure-Dependent Charge Transfer in Molecular Perylene-Based Donor/Acceptor Systems and Role of Side Chains. Journal of Physical Chemistry C, 2020, 124, 11639-11651.	3.1	10
13	X-ray reflectivity from curved surfaces as illustrated by a graphene layer on molten copper. Journal of Synchrotron Radiation, 2022, 29, 711-720.	2.4	8
14	Ultrafast Excited State Dynamics in Diindenoperylene Films. Journal of Physical Chemistry C, 2017, 121, 17900-17906.	3.1	7
15	Ordered Donor-Acceptor Complex Formation and Electron Transfer in Co-deposited Films of Structurally Dissimilar Molecules. Journal of Physical Chemistry C, 2020, 124, 11023-11031.	3.1	6
16	Polymorphism and structure formation in copper phthalocyanine thin films. Journal of Applied Crystallography, 2021, 54, 203-210.	4.5	6
17	Peculiar dielectric properties of poly(diphenylene phthalide) at elevated temperatures. Technical Physics, 2015, 60, 588-591.	0.7	3
18	Thin films of electron donor-acceptor complexes: characterisation of mixed-crystalline phases and implications for electrical doping. Materials Advances, 2022, 3, 1017-1034.	5.4	3

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	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