

Vladimir Bruevich

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

612
citations

567281

15
h-index

610901

24
g-index

31
all docs

31
docs citations

31
times ranked

962
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of doping on performance of organic solar cells. <i>Physical Review B</i> , 2011, 84, .	3.2	91
2	Raman spectroscopy of intermolecular charge transfer complex between a conjugated polymer and an organic acceptor molecule. <i>Journal of Chemical Physics</i> , 2007, 127, 104905.	3.0	63
3	Molecularly Smooth Single-Crystalline Films of Thiophene-Phenylene Co-Oligomers Grown at the Gas-Liquid Interface. <i>Crystal Growth and Design</i> , 2014, 14, 1726-1737.	3.0	49
4	Easily Processable Highly Ordered Langmuir-Blodgett Films of Quaterthiophene Disiloxane Dimer for Monolayer Organic Field-Effect Transistors. <i>Langmuir</i> , 2014, 30, 15327-15334.	3.5	45
5	Oligothiophene-based monolayer field-effect transistors prepared by Langmuir-Blodgett technique. <i>Applied Physics Letters</i> , 2013, 103, 043310.	3.3	36
6	Highly Luminescent Solution-Grown Thiophene-Phenylene Co-Oligomer Single Crystals. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 10088-10092.	8.0	36
7	Luminescent Organic Semiconducting Langmuir Monolayers. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 18078-18086.	8.0	30
8	Association function of conjugated polymer charge-transfer complex. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 6021.	2.8	25
9	Relationship between electron-phonon interaction and low-frequency Raman anisotropy in high-mobility organic semiconductors. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 18912-18918.	2.8	23
10	Large-Size Single-Crystal Oligothiophene-Based Monolayers for Field-Effect Transistors. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 6315-6324.	8.0	23
11	Highly bendable luminescent semiconducting organic single crystal. <i>Synthetic Metals</i> , 2017, 232, 60-65.	3.9	21
12	Long-range exciton transport in brightly fluorescent furan/phenylene co-oligomer crystals. <i>Journal of Materials Chemistry C</i> , 2019, 7, 60-68.	5.5	18
13	Indolinone-substituted methanofullerene: A new acceptor for organic solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2012, 103, 48-52.	6.2	16
14	Fill factor in organic solar cells can exceed the Shockley-Queisser limit. <i>Scientific Reports</i> , 2015, 5, 11478.	3.3	16
15	Acceptor-Enhanced Local Order in Conjugated Polymer Films. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 1298-1303.	4.6	15
16	The Photo-Hall Effect in High-Mobility Organic Semiconductors. <i>Advanced Functional Materials</i> , 2021, 31, 2006178.	14.9	15
17	Thermal vibrational disorder of a conjugated polymer in charge-transfer complex. <i>Journal of Chemical Physics</i> , 2009, 131, 094906.	3.0	14
18	Impact of Low-Frequency Vibrations on Charge Transport in High-Mobility Organic Semiconductors. <i>Physica Status Solidi - Rapid Research Letters</i> , 2019, 13, 1800485.	2.4	11

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19	Ground state of π -conjugated polymer chains forming an intermolecular charge-transfer complex as probed by Raman spectroscopy. <i>Journal of Experimental and Theoretical Physics</i> , 2007, 105, 469-478.	0.9	10
20	Enhanced Photostability and Red-NIR Photosensitivity of Conjugated Polymer Charge-Transfer Complexes. <i>Macromolecular Symposia</i> , 2010, 296, 138-143.	0.7	9
21	Surface-Enhanced Raman Spectroscopy of 2D Organic Semiconductor Crystals. <i>Journal of Physical Chemistry C</i> , 2019, 123, 27242-27250.	3.1	7
22	Real-Time Tracking of Polymer Crystallization Dynamics in Organic Bulk Heterojunctions by Raman Microscopy. <i>Journal of Physical Chemistry C</i> , 2018, 122, 19289-19297.	3.1	6
23	Spectral technique for accurate efficiency measurements of emerging solar cells. <i>Solar Energy</i> , 2020, 206, 770-777.	6.1	6
24	Threshold formation of an intermolecular charge transfer complex of a semiconducting polymer. <i>JETP Letters</i> , 2010, 91, 351-356.	1.4	4
25	Effect of space charge limited current on performance of organic field-effect transistors. <i>Synthetic Metals</i> , 2018, 246, 254-259.	3.9	4
26	Low-frequency power and pointing noises of a spectrally-selective external-cavity diode laser. <i>Quantum Electronics</i> , 2006, 36, 399-402.	1.0	3
27	Ultrathin solution-processed single crystals of thiophene-phenylene co-oligomers for organic field-effect devices. , 2017, , .		2
28	Measurement of the photobleaching kinetics of semiconducting polymer films by the pump-probe method. <i>Quantum Electronics</i> , 2011, 41, 1069-1072.	1.0	1
29	Monolayer organic field effect phototransistors: photophysical characterization and modeling. , 2016, , .		1
30	Singlet fission dynamics in high quality rubrene single crystals. , 0, , .		0