Vladimir Bruevich

List of Publications by Year
in descending order

30	612	567281 15	610901 24
papers	citations	h-index	g-index

31	31	31	962
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Photoâ€Hall Effect in Highâ€Mobility Organic Semiconductors. Advanced Functional Materials, 2021, 31, 2006178.	14.9	15
2	Spectral technique for accurate efficiency measurements of emerging solar cells. Solar Energy, 2020, 206, 770-777.	6.1	6
3	Impact of Lowâ€Frequency Vibrations on Charge Transport in Highâ€Mobility Organic Semiconductors. Physica Status Solidi - Rapid Research Letters, 2019, 13, 1800485.	2.4	11
4	Surface-Enhanced Raman Spectroscopy of 2D Organic Semiconductor Crystals. Journal of Physical Chemistry C, 2019, 123, 27242-27250.	3.1	7
5	Long-range exciton transport in brightly fluorescent furan/phenylene co-oligomer crystals. Journal of Materials Chemistry C, 2019, 7, 60-68.	5.5	18
6	Large-Size Single-Crystal Oligothiophene-Based Monolayers for Field-Effect Transistors. ACS Applied Materials & Interfaces, 2019, 11, 6315-6324.	8.0	23
7	Effect of space charge limited current on performance of organic field-effect transistors. Synthetic Metals, 2018, 246, 254-259.	3.9	4
8	Relationship between electronâ€“phonon interaction and low-frequency Raman anisotropy in high-mobility organic semiconductors. Physical Chemistry Chemical Physics, 2018, 20, 18912-18918.	2.8	23
9	Real-Time Tracking of Polymer Crystallization Dynamics in Organic Bulk Heterojunctions by Raman Microscopy. Journal of Physical Chemistry C, 2018, 122, 19289-19297.	3.1	6
10	Luminescent Organic Semiconducting Langmuir Monolayers. ACS Applied Materials & Interfaces, 2017, 9, 18078-18086.	8.0	30
11	Highly bendable luminescent semiconducting organic single crystal. Synthetic Metals, 2017, 232, 60-65.	3.9	21
12	Ultrathin solution-processed single crystals of thiophene-phenylene co-oligomers for organic field-effect devices. , 2017, , .		2
13	Monolayer organic field effect phototransistors: photophysical characterization and modeling. , 2016, , .		1
14	Highly Luminescent Solution-Grown Thiophene-Phenylene Co-Oligomer Single Crystals. ACS Applied Materials & Interfaces, 2016, 8, 10088-10092.	8.0	36
15	Fill factor in organic solar cells can exceed the Shockley-Queisser limit. Scientific Reports, 2015, 5, 11478.	3.3	16
16	Easily Processable Highly Ordered Langmuir-Blodgett Films of Quaterthiophene Disiloxane Dimer for Monolayer Organic Field-Effect Transistors. Langmuir, 2014, 30, 15327-15334.	3.5	45
17	Molecularly Smooth Single-Crystalline Films of Thiopheneâ€“Phenylene Co-Oligomers Grown at the Gasâ€“Liquid Interface. Crystal Growth and Design, 2014, 14, 1726-1737.	3.0	49
18	Oligothiophene-based monolayer field-effect transistors prepared by Langmuir-Blodgett technique. Applied Physics Letters, 2013, 103, 043310.	3.3	36

#	Article	IF	Citations
19	Acceptor-Enhanced Local Order in Conjugated Polymer Films. Journal of Physical Chemistry Letters, 2013, 4, 1298-1303.	4.6	15
20	Indolinone-substituted methanofullereneâ€"A new acceptor for organic solar cells. Solar Energy Materials and Solar Cells, 2012, 103, 48-52.	6.2	16
21	Effect of doping on performance of organic solar cells. Physical Review B, 2011, 84, .	3.2	91
22	Measurement of the photobleaching kinetics of semiconducting polymer films by the pump â€" probe method. Quantum Electronics, 2011, 41, 1069-1072.	1.0	1
23	Threshold formation of an intermolecular charge transfer complex of a semiconducting polymer. JETP Letters, 2010, 91, 351-356.	1.4	4
24	Enhanced Photostability and Redâ€NIR Photosensitivity of Conjugated Polymer Chargeâ€Transfer Complexes. Macromolecular Symposia, 2010, 296, 138-143.	0.7	9
25	Association function of conjugated polymer charge-transfer complex. Physical Chemistry Chemical Physics, 2010, 12, 6021.	2.8	25
26	Thermal vibrational disorder of a conjugated polymer in charge-transfer complex. Journal of Chemical Physics, 2009, 131, 094906.	3.0	14
27	Raman spectroscopy of intermolecular charge transfer complex between a conjugated polymer and an organic acceptor molecule. Journal of Chemical Physics, 2007, 127, 104905.	3.0	63
28	Ground state of Ï€-conjugated polymer chains forming an intermolecular charge-transfer complex as probed by Raman spectroscopy. Journal of Experimental and Theoretical Physics, 2007, 105, 469-478.	0.9	10
29	Low-frequency power and pointing noises of a spectrally-selective external-cavity diode laser. Quantum Electronics, 2006, 36, 399-402.	1.0	3
30	Singlet fission dynamics in high quality rubrene single crystals. , 0, , .		0