

Oleksandr V Mikhnenko

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

1,610
citations

566801

15
h-index

887659

17
g-index

18
all docs

18
docs citations

18
times ranked

2919
citing authors

#	ARTICLE	IF	CITATIONS
1	Exciton diffusion in organic semiconductors. <i>Energy and Environmental Science</i> , 2015, 8, 1867-1888.	15.6	670
2	Exciton diffusion length in narrow bandgap polymers. <i>Energy and Environmental Science</i> , 2012, 5, 6960.	15.6	207
3	Systematic study of exciton diffusion length in organic semiconductors by six experimental methods. <i>Materials Horizons</i> , 2014, 1, 280-285.	6.4	144
4	Trap-Limited Exciton Diffusion in Organic Semiconductors. <i>Advanced Materials</i> , 2014, 26, 1912-1917.	11.1	127
5	Solution-Processable Near-IR Photodetectors Based on Electron Transfer from PbS Nanocrystals to Fullerene Derivatives. <i>Advanced Materials</i> , 2009, 21, 683-687.	11.1	121
6	Exploring the Origin of the Temperature-Dependent Behavior of PbS Nanocrystal Thin Films and Solar Cells. <i>Advanced Functional Materials</i> , 2012, 22, 1598-1605.	7.8	71
7	Effect of thermal annealing on exciton diffusion in a diketopyrrolopyrrole derivative. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 14196.	1.3	47
8	Direct Measurement of the Triplet Exciton Diffusion Length in Organic Semiconductors. <i>Physical Review Letters</i> , 2012, 108, 137401.	2.9	44
9	Temperature Dependence of Exciton Diffusion in a Small-Molecule Organic Semiconductor Processed With and Without Additive. <i>Advanced Materials</i> , 2015, 27, 2528-2532.	11.1	39
10	Cyclometalated red iridium(III) complexes containing carbazolyl-acetylacetonate ligands: efficiency enhancement in polymer LED devices. <i>Dalton Transactions</i> , 2010, 39, 8613.	1.6	33
11	Influence of Energetic Disorder on Exciton Lifetime and Photoluminescence Efficiency in Conjugated Polymers. <i>Journal of Physical Chemistry B</i> , 2017, 121, 1405-1412.	1.2	22
12	Rectifying Electrical Noise with an Ionic-Organic Ratchet. <i>Advanced Materials</i> , 2015, 27, 2007-2012.	11.1	20
13	Observing Ion Motion in Conjugated Polyelectrolytes with Kelvin Probe Force Microscopy. <i>Advanced Electronic Materials</i> , 2017, 3, 1700005.	2.6	19
14	Exciton Quenching Close to Polymer-Vacuum Interface of Spin-Coated Films of Poly(p-phenylenevinylene) Derivative. <i>Journal of Physical Chemistry B</i> , 2009, 113, 9104-9109.	1.2	18
15	Fabricating Low-Cost Ionic-Organic Electronic Ratchets with Graphite Pencil and Adhesive Tape. <i>Advanced Electronic Materials</i> , 2016, 2, 1500344.	2.6	16
16	Sensitive triplet exciton detection in polyfluorene using Pd-coordinated porphyrin. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 14453.	1.3	9
17	n-Type Ionic-Organic Electronic Ratchets for Energy Harvesting. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 1081-1087.	4.0	3
18	Organic Semiconductors: Rectifying Electrical Noise with an Ionic-Organic Ratchet (Adv. Mater.) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	11.1	0