Vladimir I Chukharev

List of Publications by Year
in descending order

31 papers	782 citations	516710 16 h-index	501196 28 g-index
31 all docs	31 docs citations	31 times ranked	1092 citing authors

#	Article	IF	Citations
1	Structural photoactivation of a full-length bacterial phytochrome. Science Advances, 2016, 2, e1600920.	10.3	94
2	Tuning the Ground-State and Excited-State Interchromophore Interactions in Porphyrinâˆ'Fullerene Ï€-Stacks. Journal of Physical Chemistry B, 2004, 108, 16377-16385.	2.6	91
3	Influence of Alq3/Au cathode on stability and efficiency of a layered organic solar cell in air. Solar Energy Materials and Solar Cells, 2008, 92, 1416-1420.	6.2	74
4	Photophysics and photoelectrochemical properties of nanohybrids consisting of fullerene-encapsulated single-walled carbon nanotubes and poly(3-hexylthiophene). Energy and Environmental Science, 2011, 4, 741-750.	30.8	60
5	Photoinduced Electron Transfer in Self-Assembled Monolayers of Porphyrinâˆ'Fullerene Dyads on ITO. Langmuir, 2005, 21, 6385-6391.	3.5	59
6	Preparation and Photophysical and Photoelectrochemical Properties of a Covalently Fixed Porphyrinâ€"Chemically Converted Graphene Composite. Chemistry - A European Journal, 2012, 18, 4250-4257.	3.3	55
7	Effects of Carbonâ€"Metalâ€"Carbon Linkages on the Optical, Photophysical, and Electrochemical Properties of Phosphametallacycle-Linked Coplanar Porphyrin Dimers. Journal of the American Chemical Society, 2012, 134, 1825-1839.	13.7	50
8	Langmuirâˆ'Schaeffer Films from a Ï€âˆ'Ï€ Stacking Perylenediimide Dye: Organization and Charge Transfer Properties. Langmuir, 2010, 26, 6630-6637.	3.5	36
9	Effects of fullerene encapsulation on structure and photophysical properties of porphyrin-linked single-walled carbon nanotubes. Chemical Communications, 2011, 47, 11781.	4.1	28
10	Energy and Electron Transfer in Multilayer Films Containing Porphyrinâˆ'Fullerene Dyad. Journal of Physical Chemistry C, 2009, 113, 3819-3825.	3.1	24
11	Photoinduced Electron Transfer and Photocurrent in Multicomponent Organic Molecular Films Containing Oriented Porphyrin-Fullerene Dyad. Journal of Physical Chemistry C, 2008, 112, 10256-10265.	3.1	23
12	Multicomponent Molecularly Controlled Langmuirâˆ'Blodgett Systems for Organic Photovoltaic Applications. Journal of Physical Chemistry C, 2010, 114, 8559-8567.	3.1	20
13	Quantum yield and extinction measurements in strongly overlapping reactant and photoproduct absorption bands. Journal of Photochemistry and Photobiology B: Biology, 1989, 3, 397-410.	3.8	19
14	Photoinduced charge transfer through films containing poly(hexylthiophene), phthalocyanine, and porphyrinâ€"fullerene layers. Thin Solid Films, 2009, 517, 2988-2993.	1.8	19
15	Role of a phthalocyanineâ€"fullerene dyad in multilayered organic solar cells. Journal of Photochemistry and Photobiology A: Chemistry, 2009, 203, 125-130.	3.9	19
16	Kinetics of Photoinduced Electron Transfer in Polythiopheneâˆ'Porphyrinâˆ'Fullerene Molecular Films. Journal of Physical Chemistry B, 2006, 110, 19515-19520.	2.6	17
17	Long-lived charge separated state in molecular films containing porphyrinâ€"fullerene dyad. Chemical Physics Letters, 2008, 460, 241-244.	2.6	16
18	Photoconductivity of thin organic films. Applied Surface Science, 2010, 256, 3900-3905.	6.1	16

#	Article	IF	Citations
19	Spectroscopy of a terthiopheneâ€“vinylbenzoate. Photochemical and Photobiological Sciences, 2003, 2, 1044-1049.	2.9	10
20	Photoinduced electron transfer in thin films of porphyrinâ€“fullerene dyad and perylenetetracarboxidiimide. Physical Chemistry Chemical Physics, 2010, 12, 12525.	2.8	10
21	Charge-Transfer Dynamics in Poly(3-hexylthiophene):Perylenediimide-C₆₀ Blend Films Studied by Ultrafast Transient Absorption. Journal of Physical Chemistry C, 2014, 118, 10625-10630.	3.1	8
22	The effect of thiophene substituents of fulleropyrrolidine acceptors on the performance of inverted organic solar cells. Synthetic Metals, 2014, 195, 193-200.	3.9	7
23	Vectorial photoinduced electron transfer in multicomponent film systems of poly(3-hexylthiophene), porphyrinâ€“fullerene dyad, and perylenetetracarboxidiimide. Photochemical and Photobiological Sciences, 2010, 9, 1212.	2.9	6
24	Photophysical properties of Sn(IV)tetraphenylporphyrin-pyrene dyad with a Î^2-vinyl linker. Journal of Porphyrins and Phthalocyanines, 2015, 19, 288-300.	0.8	6
25	Photochemical properties of porphyrin films covering curved surfaces of optical fibers. Chemical Physics Letters, 2009, 471, 290-294.	2.6	5
26	Quantum yield and extinction measurements in strongly overlapping reactant and photoproduct absorption bands. Journal of Photochemistry and Photobiology B: Biology, 1989, 3, 385-395.	3.8	4
27	Photochemical Behavior and Photolysis of Protonated Forms of Levofloxacin. Photochemistry and Photobiology, 2014, 90, 79-84.	2.5	4
28	Directed photocurrent in Langmuir-Schaefer organic molecular films. Bulletin of the Lebedev Physics Institute, 2010, 37, 136-140.	0.6	1
29	Electron transfer in oriented donorâ€“acceptor dyads, intralayer charge migration, and formation of interlayer charge separated states in multi-layered Langmuirâ€“SchÃfer films. Physical Chemistry Chemical Physics, 2020, 22, 25195-25205.	2.8	1
30	Photochemical properties of porphyrin films covering surfaces of tapered optical fibers. Proceedings of SPIE, 2009, , .	0.8	0
31	Photolysis and quantum-chemical calculations of the nalidixic acid radical states. Russian Journal of General Chemistry, 2012, 82, 323-328.	0.8	0