

Evgeny O Danilov

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5053374/publications.pdf>

Version: 2024-02-01

33
papers

792
citations

471509

17
h-index

501196

28
g-index

34
all docs

34
docs citations

34
times ranked

1442
citing authors

#	ARTICLE	IF	CITATIONS
1	Transient Absorption Dynamics of Sterically Congested Cu(I) MLCT Excited States. <i>Journal of Physical Chemistry A</i> , 2015, 119, 3181-3193.	2.5	102
2	A Unified Approach to Decarboxylative Halogenation of (Hetero)aryl Carboxylic Acids. <i>Journal of the American Chemical Society</i> , 2022, 144, 8296-8305.	13.7	67
3	Analysis of Recombination Mechanisms in RbF-Treated CIGS Solar Cells. <i>IEEE Journal of Photovoltaics</i> , 2019, 9, 313-318.	2.5	58
4	Visible-Light-Initiated Free-Radical Polymerization by Homomolecular Triplet-Triplet Annihilation. <i>CheM</i> , 2020, 6, 3071-3085.	11.7	54
5	Broadband transient absorption study of photoexcitations in lead halide perovskites: Towards a multiband picture. <i>Physical Review B</i> , 2016, 93, .	3.2	47
6	Light harvesting and energy transfer in a porphyrin-based metal organic framework. <i>Faraday Discussions</i> , 2019, 216, 174-190.	3.2	46
7	Direct Evidence of Visible Light-Induced Homolysis in Chlorobis(2,9-dimethyl-1,10-phenanthroline)copper(II). <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 5345-5349.	4.6	43
8	Critical Role of Polymer Aggregation and Miscibility in Nonfullerene-Based Organic Photovoltaics. <i>Advanced Energy Materials</i> , 2020, 10, 1902430.	19.5	41
9	Sensing of 2,4,6-Trinitrotoluene (TNT) and 2,4-Dinitrotoluene (2,4-DNT) in the Solid State with Photoluminescent Ru ^{II} and Ir ^{III} Complexes. <i>Chemistry - A European Journal</i> , 2015, 21, 4056-4064.	3.3	33
10	Commercial quantities of ultrasmall fluorescent nanodiamonds containing color centers. <i>Proceedings of SPIE</i> , 2017, , .	0.8	32
11	Towards radiation detection using Cs ₂ AgBiBr ₆ double perovskite single crystals. <i>Materials Letters</i> , 2020, 269, 127667.	2.6	29
12	Gamma-Ray Detection Using Bi-Poor Cs ₂ AgBiBr ₆ Double Perovskite Single Crystals. <i>Advanced Optical Materials</i> , 2021, 9, 2001575.	7.3	25
13	Photophysical Processes in Rhenium(I) Diiminetricarbonyl Arylisocyanides Featuring Three Interacting Triplet Excited States. <i>Inorganic Chemistry</i> , 2019, 58, 8750-8762.	4.0	24
14	Charge Generation Dynamics in Efficient All-Polymer Solar Cells: Influence of Polymer Packing and Morphology. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 27586-27591.	8.0	22
15	Fluence-Dependent Evolution of Paramagnetic Triplet Centers in e-Beam Irradiated Microcrystalline Ib Type HPHT Diamond. <i>Journal of Physical Chemistry C</i> , 2017, 121, 22335-22346.	3.1	22
16	Low temperature cathodoluminescence study of Fe-doped $\hat{\Gamma}^2$ -Ga ₂ O ₃ . <i>Materials Letters</i> , 2019, 257, 126744.	2.6	20
17	Wave Function Control of Charge-Separated Excited-State Lifetimes. <i>Journal of the American Chemical Society</i> , 2019, 141, 3986-3992.	13.7	20
18	Degradation Mechanism in Cu(In,Ga)Se ₂ Material and Solar Cells Due to Moisture and Heat Treatment of the Absorber Layer. <i>IEEE Journal of Photovoltaics</i> , 2019, 9, 1138-1143.	2.5	17

#	ARTICLE	IF	CITATIONS
19	Charge Photogeneration in Organic Photovoltaics: Role of Hot versus Cold Charge Transfer Excitons. <i>Advanced Energy Materials</i> , 2016, 6, 1301032.	19.5	16
20	Observation of Triplet Intraligand Excited States through Nanosecond Step-Scan Fourier Transform Infrared Spectroscopy. <i>Inorganic Chemistry</i> , 2006, 45, 2370-2372.	4.0	14
21	High Temperature Treatment of Diamond Particles Toward Enhancement of Their Quantum Properties. <i>Frontiers in Physics</i> , 2020, 8, .	2.1	11
22	Ligand-triplet migration in iridium(III) cyclometalates featuring π -conjugated isocyanide ligands. <i>Dalton Transactions</i> , 2020, 49, 9995-10002.	3.3	9
23	Photodriven Elimination of Chlorine From Germanium and Platinum in a Dinuclear Pt(II)-Ge(IV) Complex. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 22352-22358.	13.8	9
24	Ultrafast Dynamics of the Metal-to-Ligand Charge Transfer Excited States of Ir(III) Proteo and Deutero Dihydrides. <i>Journal of Physical Chemistry A</i> , 2018, 122, 4430-4436.	2.5	7
25	Aggregation Controlled Charge Generation in Fullerene Based Bulk Heterojunction Polymer Solar Cells: Effect of Additive. <i>Polymers</i> , 2021, 13, 115.	4.5	6
26	Characterization of the photophysics of a mixed system of red disperse dyes using experimental and theoretical methods. <i>Dyes and Pigments</i> , 2021, 184, 108745.	3.7	4
27	Charge generation dynamics in polymer nonfullerene solar cells with low energy loss. <i>Journal of Photonics for Energy</i> , 2018, 8, 1.	1.3	4
28	Photodriven Elimination of Chlorine From Germanium and Platinum in a Dinuclear Pt(II)-Ge(IV) Complex. <i>Angewandte Chemie</i> , 2021, 133, 22526-22532.	2.0	3
29	Direct Optical Observation of Stimulated Emission from Hot Charge Transfer Excitons in Bulk Heterojunction Polymer Solar Cells. <i>Journal of Physical Chemistry C</i> , 2015, 119, 19697-19702.	3.1	2
30	Delayed photoacidity produced through the triplet-triplet annihilation of a neutral pyranine derivative. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 16353-16358.	2.8	2
31	Organic Photovoltaics: Charge Photogeneration in Organic Photovoltaics: Role of Hot versus Cold Charge Transfer Excitons (<i>Adv. Energy Mater.</i> 1/2016). <i>Advanced Energy Materials</i> , 2016, 6, .	19.5	1
32	Impact of Dimensionality on Optoelectronic Properties of Hybrid Perovskites. <i>International Journal of Photoenergy</i> , 2021, 2021, 1-7.	2.5	0
33	Gamma-Ray Detection Using Bi-Poor Cs ₂ AgBiBr ₆ Double Perovskite Single Crystals (<i>Advanced Optical Materials</i> 8/2021). <i>Advanced Optical Materials</i> , 2021, 9, 2170030.	7.3	0