JoÃ«l Teuscher

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2687457/publications.pdf

Version: 2024-02-01

39	15,408	186265	276875
papers	citations	28	41
		h-index	g-index

41	41	41	17525
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Liquid State and Zombie Dye Sensitized Solar Cells with Copper Bipyridine Complexes Functionalized with Alkoxy Groups. Journal of Physical Chemistry C, 2020, 124, 7071-7081.	3.1	24
2	Organic dyes containing fused acenes as building blocks: Optical, electrochemical and photovoltaic properties. Chinese Chemical Letters, 2018, 29, 289-292.	9.0	18
3	Effect of Coordination Sphere Geometry of Copper Redox Mediators on Regeneration and Recombination Behavior in Dye-Sensitized Solar Cell Applications. ACS Applied Energy Materials, 2018, 1, 4950-4962.	5.1	49
4	Patterning of perovskiteâ€“polymer films by wrinkling instabilities. Soft Matter, 2017, 13, 1654-1659.	2.7	12
5	Energy and charge transfer cascade in methylammonium lead bromide perovskite nanoparticle aggregates. Chemical Science, 2017, 8, 4371-4380.	7.4	40
6	Dye-sensitized solar cells for efficient power generation under ambient lighting. Nature Photonics, 2017, 11, 372-378.	31.4	871
7	11% efficiency solid-state dye-sensitized solar cells with copper(II/I) hole transport materials. Nature Communications, 2017, 8, 15390.	12.8	229
8	Charge migration and charge transfer in molecular systems. Structural Dynamics, 2017, 4, 061508.	2.3	146
9	Charge separation and carrier dynamics in donor-acceptor heterojunction photovoltaic systems. Structural Dynamics, 2017, 4, 061503.	2.3	13
10	Unveiling the Nature of Charge Carrier Interactions by Electroabsorption Spectroscopy: An Illustration with Lead-Halide Perovskites. Chimia, 2017, 71, 231.	0.6	7
11	Unraveling the Dual Character of Sulfur Atoms on Sensitizers in Dye-Sensitized Solar Cells. ACS Applied Materials & Interfaces, 2016, 8, 26827-26833.	8.0	16
12	Dynamics of Photocarrier Separation in MAPbI₃ Perovskite Multigrain Films under a Quasistatic Electric Field. Journal of Physical Chemistry C, 2016, 120, 19595-19602.	3.1	22
13	Unreacted PbI₂ as a Double-Edged Sword for Enhancing the Performance of Perovskite Solar Cells. Journal of the American Chemical Society, 2016, 138, 10331-10343.	13.7	696
14	Ligand Engineering for the Efficient Dye-Sensitized Solar Cells with Ruthenium Sensitizers and Cobalt Electrolytes. Inorganic Chemistry, 2016, 55, 6653-6659.	4.0	80
15	Control and Study of the Stoichiometry in Evaporated Perovskite Solar Cells. ChemSusChem, 2015, 8, 3847-3852.	6.8	59
16	Transforming Hybrid Organic Inorganic Perovskites by Rapid Halide Exchange. Chemistry of Materials, 2015, 27, 2181-2188.	6.7	179
17	Influence of the Donor Size in Dâ^'Ï€â€“A Organic Dyes for Dye-Sensitized Solar Cells. Journal of the American Chemical Society, 2014, 136, 5722-5730.	13.7	417
18	Towards Longâ€Term Photostability of Solidâ€State Dye Sensitized Solar Cells. Advanced Energy Materials, 2014, 4, 1301667.	19.5	51

#	Article	IF	Citations
19	Unravelling the mechanism of photoinduced charge transfer processes in lead iodide perovskite solar cells. Nature Photonics, 2014, 8, 250-255.	31.4	648
20	Kinetics of the Regeneration by Iodide of Dye Sensitizers Adsorbed on Mesoporous Titania. Journal of Physical Chemistry C, 2014, 118, 17108-17115.	3.1	26
21	Thiadiazolo[3,4-c]pyridine Acceptor Based Blue Sensitizers for High Efficiency Dye-Sensitized Solar Cells. Journal of Physical Chemistry C, 2014, 118, 17090-17099.	3.1	24
22	Protic Ionic Liquids as p-Dopant for Organic Hole Transporting Materials and Their Application in High Efficiency Hybrid Solar Cells. Journal of the American Chemical Society, 2013, 135, 13538-13548.	13.7	167
23	Optimizing the Energy Offset between Dye and Hole-Transporting Material in Solid-State Dye-Sensitized Solar Cells. Journal of Physical Chemistry C, 2013, 117, 19850-19858.	3.1	19
24	Lithium salts as â€œredox activeâ€•p-type dopants for organic semiconductors and their impact in solid-state dye-sensitized solar cells. Physical Chemistry Chemical Physics, 2013, 15, 2572.	2.8	557
25	Charge Density Dependent Mobility of Organic Holeâ€Transporters and Mesoporous TiO₂ Determined by Transient Mobility Spectroscopy: Implications to Dyeâ€Sensitized and Organic Solar Cells. Advanced Materials, 2013, 25, 3227-3233.	21.0	217
26	Molecular Engineering of a Fluorene Donor for Dye-Sensitized Solar Cells. Chemistry of Materials, 2013, 25, 2733-2739.	6.7	154
27	Unravelling the Potential for Dithienopyrrole Sensitizers in Dye-Sensitized Solar Cells. Chemistry of Materials, 2013, 25, 2642-2648.	6.7	49
28	Photoinduced Interfacial Electron Injection Dynamics in Dye-Sensitized Solar Cells under Photovoltaic Operating Conditions. Journal of Physical Chemistry Letters, 2012, 3, 3786-3790.	4.6	52
29	Efficient Hybrid Solar Cells Based on Meso-Superstructured Organometal Halide Perovskites. Science, 2012, 338, 643-647.	12.6	9,249
30	A panchromatic anthracene-fused porphyrin sensitizer for dye-sensitized solar cells. RSC Advances, 2012, 2, 6846.	3.6	59
31	Significant Improvement of Dyeâ€Sensitized Solar Cell Performance by Small Structural Modification in Ï€â€Conjugated Donorâ€“Acceptor Dyes. Advanced Functional Materials, 2012, 22, 1291-1302.	14.9	404
32	Dynamics and Mechanisms of Interfacial Photoinduced Electron Transfer Processes of Third Generation Photovoltaics and Photocatalysis. Chimia, 2011, 65, 704.	0.6	14
33	Molecular design of metal-free Dâ€“Ï€-A substituted sensitizers for dye-sensitized solar cells. Energy and Environmental Science, 2010, 3, 1757.	30.8	70
34	Application of Cu(ii) and Zn(ii) coproporphyrins as sensitizers for thin film dye sensitized solar cells. Energy and Environmental Science, 2010, 3, 956.	30.8	37
35	Efficient Electron Transfer and Sensitizer Regeneration in Stable Ï€-Extended Tetrathiafulvalene-Sensitized Solar Cells. Journal of the American Chemical Society, 2010, 132, 5164-5169.	13.7	188
36	High Extinction Coefficient â€œAntennaâ€•Dye in Solid-State Dye-Sensitized Solar Cells: A Photophysical and Electronic Study. Journal of Physical Chemistry C, 2008, 112, 7562-7566.	3.1	52

#	Article	IF	Citations
37	Dynamics of Photoinduced Interfacial Electron Transfer and Charge Transport in Dye-Sensitized Mesoscopic Semiconductors. Chimia, 2007, 61, 631.	0.6	35
38	Efavirenz-induced urolithiasis. Urological Research, 2006, 34, 288-289.	1.5	38
39	Charge Separation and Efficient Light Energy Conversion in Sensitized Mesoscopic Solar Cells Based on Binary Ionic Liquids. Journal of the American Chemical Society, 2005, 127, 6850-6856.	13.7	383