

João Teuscher

List of Publications by Year in descending order

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39
papers

15,408
citations

186209

28
h-index

276775

41
g-index

41
all docs

41
docs citations

41
times ranked

17525
citing authors

#	ARTICLE	IF	CITATIONS
1	Liquid State and Zombie Dye Sensitized Solar Cells with Copper Bipyridine Complexes Functionalized with Alkoxy Groups. <i>Journal of Physical Chemistry C</i> , 2020, 124, 7071-7081.	1.5	24
2	Organic dyes containing fused acenes as building blocks: Optical, electrochemical and photovoltaic properties. <i>Chinese Chemical Letters</i> , 2018, 29, 289-292.	4.8	18
3	Effect of Coordination Sphere Geometry of Copper Redox Mediators on Regeneration and Recombination Behavior in Dye-Sensitized Solar Cell Applications. <i>ACS Applied Energy Materials</i> , 2018, 1, 4950-4962.	2.5	49
4	Patterning of perovskiteâ€“polymer films by wrinkling instabilities. <i>Soft Matter</i> , 2017, 13, 1654-1659.	1.2	12
5	Energy and charge transfer cascade in methylammonium lead bromide perovskite nanoparticle aggregates. <i>Chemical Science</i> , 2017, 8, 4371-4380.	3.7	40
6	Dye-sensitized solar cells for efficient power generation under ambient lighting. <i>Nature Photonics</i> , 2017, 11, 372-378.	15.6	871
7	11% efficiency solid-state dye-sensitized solar cells with copper(II/I) hole transport materials. <i>Nature Communications</i> , 2017, 8, 15390.	5.8	229
8	Charge migration and charge transfer in molecular systems. <i>Structural Dynamics</i> , 2017, 4, 061508.	0.9	146
9	Charge separation and carrier dynamics in donor-acceptor heterojunction photovoltaic systems. <i>Structural Dynamics</i> , 2017, 4, 061503.	0.9	13
10	Unveiling the Nature of Charge Carrier Interactions by Electroabsorption Spectroscopy: An Illustration with Lead-Halide Perovskites. <i>Chimia</i> , 2017, 71, 231.	0.3	7
11	Unraveling the Dual Character of Sulfur Atoms on Sensitizers in Dye-Sensitized Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 26827-26833.	4.0	16
12	Dynamics of Photocarrier Separation in MAPbI ₃ Perovskite Multigrain Films under a Quasistatic Electric Field. <i>Journal of Physical Chemistry C</i> , 2016, 120, 19595-19602.	1.5	22
13	Unreacted PbI ₂ as a Double-Edged Sword for Enhancing the Performance of Perovskite Solar Cells. <i>Journal of the American Chemical Society</i> , 2016, 138, 10331-10343.	6.6	696
14	Ligand Engineering for the Efficient Dye-Sensitized Solar Cells with Ruthenium Sensitizers and Cobalt Electrolytes. <i>Inorganic Chemistry</i> , 2016, 55, 6653-6659.	1.9	80
15	Control and Study of the Stoichiometry in Evaporated Perovskite Solar Cells. <i>ChemSusChem</i> , 2015, 8, 3847-3852.	3.6	59
16	Transforming Hybrid Organic Inorganic Perovskites by Rapid Halide Exchange. <i>Chemistry of Materials</i> , 2015, 27, 2181-2188.	3.2	179
17	Influence of the Donor Size in Dâ€“A Organic Dyes for Dye-Sensitized Solar Cells. <i>Journal of the American Chemical Society</i> , 2014, 136, 5722-5730.	6.6	417
18	Towards Longâ€“Term Photostability of Solidâ€“State Dye Sensitized Solar Cells. <i>Advanced Energy Materials</i> , 2014, 4, 1301667.	10.2	51

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19	Unravelling the mechanism of photoinduced charge transfer processes in lead iodide perovskite solar cells. <i>Nature Photonics</i> , 2014, 8, 250-255.	15.6	648
20	Kinetics of the Regeneration by Iodide of Dye Sensitizers Adsorbed on Mesoporous Titania. <i>Journal of Physical Chemistry C</i> , 2014, 118, 17108-17115.	1.5	26
21	Thiadiazolo[3,4-c]pyridine Acceptor Based Blue Sensitizers for High Efficiency Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2014, 118, 17090-17099.	1.5	24
22	Protic Ionic Liquids as p-Dopant for Organic Hole Transporting Materials and Their Application in High Efficiency Hybrid Solar Cells. <i>Journal of the American Chemical Society</i> , 2013, 135, 13538-13548.	6.6	167
23	Optimizing the Energy Offset between Dye and Hole-Transporting Material in Solid-State Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2013, 117, 19850-19858.	1.5	19
24	Lithium salts as redox active p-type dopants for organic semiconductors and their impact in solid-state dye-sensitized solar cells. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 2572.	1.3	557
25	Charge Density Dependent Mobility of Organic Hole Transporters and Mesoporous TiO ₂ Determined by Transient Mobility Spectroscopy: Implications to Dye-Sensitized and Organic Solar Cells. <i>Advanced Materials</i> , 2013, 25, 3227-3233.	11.1	217
26	Molecular Engineering of a Fluorene Donor for Dye-Sensitized Solar Cells. <i>Chemistry of Materials</i> , 2013, 25, 2733-2739.	3.2	154
27	Unravelling the Potential for Dithienopyrrole Sensitizers in Dye-Sensitized Solar Cells. <i>Chemistry of Materials</i> , 2013, 25, 2642-2648.	3.2	49
28	Photoinduced Interfacial Electron Injection Dynamics in Dye-Sensitized Solar Cells under Photovoltaic Operating Conditions. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 3786-3790.	2.1	52
29	Efficient Hybrid Solar Cells Based on Meso-Superstructured Organometal Halide Perovskites. <i>Science</i> , 2012, 338, 643-647.	6.0	9,249
30	A panchromatic anthracene-fused porphyrin sensitizer for dye-sensitized solar cells. <i>RSC Advances</i> , 2012, 2, 6846.	1.7	59
31	Significant Improvement of Dye-Sensitized Solar Cell Performance by Small Structural Modification in Conjugated Donor-Acceptor Dyes. <i>Advanced Functional Materials</i> , 2012, 22, 1291-1302.	7.8	404
32	Dynamics and Mechanisms of Interfacial Photoinduced Electron Transfer Processes of Third Generation Photovoltaics and Photocatalysis. <i>Chimia</i> , 2011, 65, 704.	0.3	14
33	Molecular design of metal-free D-A substituted sensitizers for dye-sensitized solar cells. <i>Energy and Environmental Science</i> , 2010, 3, 1757.	15.6	70
34	Application of Cu(ii) and Zn(ii) coproporphyrins as sensitizers for thin film dye sensitized solar cells. <i>Energy and Environmental Science</i> , 2010, 3, 956.	15.6	37
35	Efficient Electron Transfer and Sensitizer Regeneration in Stable Extended Tetrathiafulvalene-Sensitized Solar Cells. <i>Journal of the American Chemical Society</i> , 2010, 132, 5164-5169.	6.6	188
36	High Extinction Coefficient Antenna-Dye in Solid-State Dye-Sensitized Solar Cells: A Photophysical and Electronic Study. <i>Journal of Physical Chemistry C</i> , 2008, 112, 7562-7566.	1.5	52

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37	Dynamics of Photoinduced Interfacial Electron Transfer and Charge Transport in Dye-Sensitized Mesoscopic Semiconductors. <i>Chimia</i> , 2007, 61, 631.	0.3	35
38	Efavirenz-induced urolithiasis. <i>Urological Research</i> , 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. <i>Journal of the American Chemical Society</i> , 2005, 127, 6850-6856.	6.6	383