

Natalie Flores-DÃ-az

List of Publications by Year in descending order

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15
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times ranked

1662
citing authors

#	ARTICLE	IF	CITATIONS
1	How the Nature of Triphenylamine-Polyene Dyes in Dye-Sensitized Solar Cells Affects the Open-Circuit Voltage and Electron Lifetimes. <i>Langmuir</i> , 2010, 26, 2592-2598.	1.6	359
2	Facile route to freestanding CH ₃ NH ₃ PbI ₃ crystals using inverse solubility. <i>Scientific Reports</i> , 2015, 5, 11654.	1.6	112
3	Passivation Mechanism Exploiting Surface Dipoles Affords High-Performance Perovskite Solar Cells. <i>Journal of the American Chemical Society</i> , 2020, 142, 11428-11433.	6.6	107
4	Metal Coordination Complexes as Redox Mediators in Regenerative Dye-Sensitized Solar Cells. <i>Inorganics</i> , 2019, 7, 30.	1.2	79
5	Direct light-induced polymerization of cobalt-based redox shuttles: an ultrafast way towards stable dye-sensitized solar cells. <i>Chemical Communications</i> , 2015, 51, 16308-16311.	2.2	73
6	Novel Blue Organic Dye for Dye-Sensitized Solar Cells Achieving High Efficiency in Cobalt-Based Electrolytes and by Co-Sensitization. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 32797-32804.	4.0	67
7	Blue Photosensitizer with Copper(II/I) Redox Mediator for Efficient and Stable Dye-Sensitized Solar Cells. <i>Advanced Functional Materials</i> , 2020, 30, 2004804.	7.8	30
8	Zinc Phthalocyanine Conjugated Dimers as Efficient Dopant-Free Hole Transporting Materials in Perovskite Solar Cells. <i>ChemPhotoChem</i> , 2020, 4, 307-314.	1.5	19
9	The Rise of Dye-Sensitized Solar Cells: From Molecular Photovoltaics to Emerging Solid-State Photovoltaic Technologies. <i>Helvetica Chimica Acta</i> , 2021, 104, e2000230.	1.0	18
10	3,4-Ethylenedioxythiophene-based cobalt complex: an efficient co-mediator in dye-sensitized solar cells with poly(3,4-ethylenedioxythiophene) counter-electrode. <i>Electrochimica Acta</i> , 2015, 179, 237-240.	2.6	13
11	Toward an alternative approach for the preparation of low-temperature titanium dioxide blocking underlayers for perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2019, 7, 10729-10738.	5.2	13
12	Neutral organic redox pairs based on sterically hindered hydroquinone/benzoquinone derivatives for dye-sensitized solar cells. <i>Solar Energy</i> , 2018, 167, 76-83.	2.9	9
13	A tandem redox system with a cobalt complex and 2-azaadamantane-N-oxyl for fast dye regeneration and open circuit voltages exceeding 1 V. <i>Journal of Materials Chemistry A</i> , 2019, 7, 10998-11006.	5.2	8
14	Thermodynamic stability screening of IR-photon processed multication halide perovskite thin films. <i>Journal of Materials Chemistry A</i> , 2021, 9, 26885-26895.	5.2	4
15	Dopant-Free Hole-Transport Materials with Germanium Compounds Bearing Pseudohalide and Chalcogenide Moieties for Perovskite Solar Cells. <i>Inorganic Chemistry</i> , 2020, 59, 15154-15166.	1.9	2