

Cyril Aumaitre

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

370
citations

933447

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940533

16
g-index

19
all docs

19
docs citations

19
times ranked

767
citing authors

#	ARTICLE	IF	CITATIONS
1	Polycyclic Aromatic Hydrocarbons as Potential Building Blocks for Organic Solar Cells. <i>Chemical Record</i> , 2019, 19, 1142-1154.	5.8	71
2	Benzothiadiazole-based photosensitizers for efficient and stable dye-sensitized solar cells and 8.7% efficiency semi-transparent mini-modules. <i>Sustainable Energy and Fuels</i> , 2021, 5, 144-153.	4.9	48
3	Increasing the Efficiency of Organic Dye-Sensitized Solar Cells over 10.3% Using Locally Ordered Inverse Opal Nanostructures in the Photoelectrode. <i>Advanced Functional Materials</i> , 2018, 28, 1706291.	14.9	36
4	Activation Energy of Organic Cation Rotation in CH ₃ NH ₃ PbI ₃ and CD ₃ NH ₃ PbI ₃ : Quasi-Elastic Neutron Scattering Measurements and First-Principles Analysis Including Nuclear Quantum Effects. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 3969-3977.	4.6	34
5	Visible and near-infrared organic photosensitizers comprising isoindigo derivatives as chromophores: synthesis, optoelectronic properties and factors limiting their efficiency in dye solar cells. <i>Journal of Materials Chemistry A</i> , 2018, 6, 10074-10084.	10.3	27
6	Pyrrrole-Embedded Linear and Helical Graphene Nanoribbons. <i>Journal of the American Chemical Society</i> , 2021, 143, 11302-11308.	13.7	26
7	Revisiting doping mechanisms of n-type organic materials with N-DMBI for thermoelectric applications: Photo-activation, thermal activation, and air stability. <i>Applied Physics Letters</i> , 2021, 118, .	3.3	23
8	Pyrene Diimide Based π -Conjugated Copolymer and Single-Walled Carbon Nanotube Composites for Lithium-Ion Batteries. <i>Chemistry of Materials</i> , 2019, 31, 8764-8773.	6.7	22
9	Photochemical synthesis of π -extended ullazine derivatives as new electron donors for efficient conjugated D π A polymers. <i>Journal of Materials Chemistry C</i> , 2019, 7, 3015-3024.	5.5	18
10	Design of an adsorbent-bearing silica Schiff base ligand for the highly efficient removal of uranium and thorium in acidic solutions. <i>Separation and Purification Technology</i> , 2019, 228, 115709.	7.9	17
11	Dithienylpyrazine-based photosensitizers: Effect of swapping a connecting unit on optoelectronic properties and photovoltaic performances. <i>Dyes and Pigments</i> , 2017, 146, 352-360.	3.7	11
12	Non-Fullerene Acceptors with an Extended π -Conjugated Core: Third Components in Ternary Blends for High-Efficiency, Post-Treatment-Free Organic Solar Cells. <i>ChemSusChem</i> , 2021, 14, 3502-3510.	6.8	10
13	Functional panchromatic BODIPY dyes with near-infrared absorption: design, synthesis, characterization and use in dye-sensitized solar cells. <i>Beilstein Journal of Organic Chemistry</i> , 2019, 15, 1758-1768.	2.2	8
14	Anthanthrene-based conjugated polymers for the dispersion of single-walled carbon nanotubes. <i>Polymer Chemistry</i> , 2019, 10, 6440-6446.	3.9	7
15	Alternative Binary and Ternary Metal Oxides for Dye- and Quantum Dot-Sensitized Solar Cells. , 2018, , 85-115.		5
16	Synthesis and Properties of Conjugated Polymers Based on a Ladderized Anthanthrene Unit. <i>ACS Omega</i> , 2019, 4, 14742-14749.	3.5	4
17	Push-pull organic dyes and dye-catalyst assembly featuring a benzothiadiazole unit for photoelectrochemical hydrogen production. <i>Sustainable Energy and Fuels</i> , 2022, 6, 3565-3572.	4.9	3