Cyril Aumaitre

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9402840/publications.pdf

Version: 2024-02-01

17	370	933447 10	940533 16
papers	citations	h-index	g-index

19	19	19	767
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Pushâ€“pull organic dyes and dye-catalyst assembly featuring a benzothiadiazole unit for photoelectrochemical hydrogen production. Sustainable Energy and Fuels, 2022, 6, 3565-3572.	4.9	3
2	Benzothiadiazole-based photosensitizers for efficient and stable dye-sensitized solar cells and 8.7% efficiency semi-transparent mini-modules. Sustainable Energy and Fuels, 2021, 5, 144-153.	4.9	48
3	Revisiting doping mechanisms of n-type organic materials with N-DMBI for thermoelectric applications: Photo-activation, thermal activation, and air stability. Applied Physics Letters, 2021, 118, .	3.3	23
4	Nonâ€Fullerene Acceptors with an Extended Ï€â€Conjugated Core: Third Components in Ternary Blends for Highâ€Efficiency, Postâ€Treatmentâ€Free Organic Solar Cells. ChemSusChem, 2021, 14, 3502-3510.	6.8	10
5	Pyrrole-Embedded Linear and Helical Graphene Nanoribbons. Journal of the American Chemical Society, 2021, 143, 11302-11308.	13.7	26
6	Pyrene Diimide Based Ï€-Conjugated Copolymer and Single-Walled Carbon Nanotube Composites for Lithium-Ion Batteries. Chemistry of Materials, 2019, 31, 8764-8773.	6.7	22
7	Functional panchromatic BODIPY dyes with near-infrared absorption: design, synthesis, characterization and use in dye-sensitized solar cells. Beilstein Journal of Organic Chemistry, 2019, 15, 1758-1768.	2.2	8
8	Synthesis and Properties of Conjugated Polymers Based on a Ladderized Anthanthrene Unit. ACS Omega, 2019, 4, 14742-14749.	3.5	4
9	Design of an adsorbent-bearing silica Schiff base ligand for the highly efficient removal of uranium and thorium in acidic solutions. Separation and Purification Technology, 2019, 228, 115709.	7.9	17
10	Polycyclic Aromatic Hydrocarbons as Potential Building Blocks for Organic Solar Cells. Chemical Record, 2019, 19, 1142-1154.	5.8	71
11	Photochemical synthesis of Ï€-extended ullazine derivatives as new electron donors for efficient conjugated Dâ€“A polymers. Journal of Materials Chemistry C, 2019, 7, 3015-3024.	5.5	18
12	Anthanthrene-based conjugated polymers for the dispersion of single-walled carbon nanotubes. Polymer Chemistry, 2019, 10, 6440-6446.	3.9	7
13	Increasing the Efficiency of Organic Dyeâ€Sensitized Solar Cells over 10.3% Using Locally Ordered Inverse Opal Nanostructures in the Photoelectrode. Advanced Functional Materials, 2018, 28, 1706291.	14.9	36
14	Visible and near-infrared organic photosensitizers comprising isoindigo derivatives as chromophores: synthesis, optoelectronic properties and factors limiting their efficiency in dye solar cells. Journal of Materials Chemistry A, 2018, 6, 10074-10084.	10.3	27
15	Activation Energy of Organic Cation Rotation in CH₃NH₃PbI₃ and CD₃NH₃PbI₃: Quasi-Elastic Neutron Scattering Measurements and First-Principles Analysis Including Nuclear Quantum Effects. Journal of Physical Chemistry Letters, 2018, 9, 3969-3977.	4.6	34
16	Alternative Binary and Ternary Metal Oxides for Dye- and Quantum Dot-Sensitized Solar Cells. , 2018, , 85-115.		5
17	Dithienylpyrazine-based photosensitizers: Effect of swapping a connecting unit on optoelectronic properties and photovoltaic performances. Dyes and Pigments, 2017, 146, 352-360.	3.7	11