

Wolter F Jager

List of Publications by Year in descending order

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papers

584
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567281

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times ranked

926
citing authors

#	ARTICLE	IF	CITATIONS
1	Overcoming the exciton binding energy in two-dimensional perovskite nanoplatelets by attachment of conjugated organic chromophores. <i>Nature Communications</i> , 2020, 11, 1901.	12.8	89
2	Synthesis of Regioisomerically Pure 1,7-Dibromoperylene-3,4,9,10-tetracarboxylic Acid Derivatives. <i>Journal of Organic Chemistry</i> , 2014, 79, 6655-6662.	3.2	78
3	Synthesis and Characterization of a Novel Liquid Crystalline Polymer Showing a Nematic Columnar to Nematic Discotic Phase Transition. <i>Macromolecules</i> , 2000, 33, 4336-4342.	4.8	48
4	Novel derivatives of 1,6,7,12-tetrachloroperylene-3,4,9,10-tetracarboxylic acid: synthesis, electrochemical and optical properties. <i>Organic Chemistry Frontiers</i> , 2016, 3, 1481-1492.	4.5	38
5	Tunable and highly efficient light-harvesting antenna systems based on 1,7-peryene-3,4,9,10-tetracarboxylic acid derivatives. <i>Chemical Science</i> , 2016, 7, 3517-3532.	7.4	36
6	Can morphological transitions in fibrils drive stiffness of gels formed by discotic liquid crystal organogelators?. <i>Soft Matter</i> , 2009, 5, 4905.	2.7	34
7	Morphology-independent Efficient Singlet Exciton Fission in Perylene Diimide Thin Films. <i>ChemPlusChem</i> , 2018, 83, 230-238.	2.8	30
8	A Wavelength-Shifting Fluorescent Probe for Investigating Physical Aging. <i>Macromolecules</i> , 2006, 39, 224-231.	4.8	29
9	Synthesis and Characterization of Rod-like Coil Poly(amide-block-aramid) Alternating Block Copolymers. <i>Macromolecules</i> , 2006, 39, 3824-3829.	4.8	26
10	Perylene Bisimide Dyes with up to Five Independently Introduced Substituents: Controlling the Functionalization Pattern and Photophysical Properties Using Regiospecific Bay Substitution. <i>Journal of Organic Chemistry</i> , 2019, 84, 9532-9547.	3.2	24
11	Facile Synthesis of Pure 1,6,7,12-Tetrachloroperylene-3,4,9,10-tetracarboxy Bisanhydride and Bisimide. <i>Organic Letters</i> , 2015, 17, 1882-1885.	4.6	23
12	Substitution Effects on the Photoinduced Charge-Transfer Properties of Novel Perylene-3,4,9,10-tetracarboxylic Acid Derivatives. <i>Journal of Physical Chemistry A</i> , 2017, 121, 4633-4644.	2.5	22
13	Fluorescent PET probes based on perylene-3,4,9,10-tetracarboxylic tetraesters. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 1564-1568.	2.8	21
14	Scalable Route to Electroactive and Light Active Perylene Diimide Dye Polymer Binder for Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2020, 3, 2271-2277.	5.1	21
15	Lyotropic Rod-like Coil Poly(amide-block-aramid) Alternating Block Copolymers: Phase Behavior and Structure. <i>Macromolecules</i> , 2006, 39, 4411-4417.	4.8	16
16	Tailoring Photophysical Processes of Perylene-Based Light Harvesting Antenna Systems with Molecular Structure and Solvent Polarity. <i>Journal of Physical Chemistry C</i> , 2019, 123, 36-47.	3.1	16
17	Fluorescent polyelectrolyte for the visualization of fingerprints. <i>Analytical Methods</i> , 2015, 7, 10121-10124.	2.7	9
18	Synthesis of Perylene-3,4,9,10-tetracarboxylic Acid Derivatives Bearing Four Different Substituents at the Perylene Core. <i>Organic Letters</i> , 2016, 18, 5648-5651.	4.6	9

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19	Novel Color-Shifting Mobility Sensitive Fluorescent Probes for Polymer Characterization. <i>Macromolecular Symposia</i> , 2005, 230, 11-19.	0.7	7
20	A columnar mesophase with high lateral order from a triphenylene-hexa(3,5-dialkoxy)benzoate. <i>Liquid Crystals</i> , 2010, 37, 579-586.	2.2	4
21	Efficacious elimination of intramolecular charge transfer in perylene imide based light-harvesting antenna molecules. <i>Chemical Communications</i> , 2020, 56, 5560-5563.	4.1	2
22	Directing charge transfer in perylene based light-harvesting antenna molecules. <i>Journal of Chemical Physics</i> , 2020, 153, 144302.	3.0	1
23	Room temperature synthesis of perylene diimides facilitated by high amic acid solubility. <i>Organic Chemistry Frontiers</i> , 2022, 9, 1090-1108.	4.5	1