

Hamish Cavaye

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

773
citations

687363

13
h-index

642732

23
g-index

27
all docs

27
docs citations

27
times ranked

1276
citing authors

#	ARTICLE	IF	CITATIONS
1	Morphology of Allâ€Solutionâ€Processed â€Bilayerâ€Organic Solar Cells. <i>Advanced Materials</i> , 2011, 23, 766-770.	21.0	228
2	Effect of Dimensionality in Dendrimeric and Polymeric Fluorescent Materials for Detecting Explosives. <i>Macromolecules</i> , 2010, 43, 10253-10261.	4.8	70
3	Solid-State Dendrimer Sensors: Probing the Diffusion of an Explosive Analogue Using Neutron Reflectometry. <i>Langmuir</i> , 2009, 25, 12800-12805.	3.5	68
4	Controlling Hierarchy in Solutionâ€Processed Polymer Solar Cells Based on Crosslinked P3HT. <i>Advanced Energy Materials</i> , 2013, 3, 105-112.	19.5	58
5	Understanding the ZIF-L to ZIF-8 transformation from fundamentals to fully costed kilogram-scale production. <i>Communications Chemistry</i> , 2022, 5, .	4.5	45
6	Investigating Morphology and Stability of Facâ€tris (2â€phenylpyridyl)iridium(III) Films for OLEDs. <i>Advanced Functional Materials</i> , 2011, 21, 2225-2231.	14.9	44
7	The binding and fluorescence quenching efficiency of nitroaromatic (explosive) vapors in fluorescent carbazole dendrimer thin films. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 9845.	2.8	36
8	Solid State Dendrimer Sensors: Effect of Dendrimer Dimensionality on Detection and Sequestration of 2,4-Dinitrotoluene. <i>Journal of Physical Chemistry C</i> , 2011, 115, 18366-18371.	3.1	28
9	Photophysical Properties of 9,10-Disubstituted Anthracene Derivatives in Solution and Films. <i>Journal of Physical Chemistry A</i> , 2011, 115, 7401-7405.	2.5	27
10	Primary Alkylphosphineâ€Borane Polymers: Synthesis, Low Glass Transition Temperature, and a Predictive Capability Thereof. <i>Macromolecules</i> , 2017, 50, 9239-9248.	4.8	27
11	Diffusion of nitroaromatic vapours into fluorescent dendrimer films for explosives detection. <i>Sensors and Actuators B: Chemical</i> , 2015, 210, 550-557.	7.8	24
12	Control of zeolite microenvironment for propene synthesis from methanol. <i>Nature Communications</i> , 2021, 12, 822.	12.8	23
13	Sensing nitroaromatic analytes with a bifluorene-cored dendrimer. , 2009, , .		16
14	Molecular versus exciton diffusion in fluorescence-based explosive vapour sensors. <i>Chemical Communications</i> , 2015, 51, 17406-17409.	4.1	15
15	Assessing the sensing limits of fluorescent dendrimer thin films for the detection of explosive vapors. <i>Sensors and Actuators B: Chemical</i> , 2017, 239, 727-733.	7.8	14
16	Neutron Spectroscopy: An Underâ€Utilised Tool for Organic Electronics Research?. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9338-9346.	13.8	11
17	Understanding and controlling the glass transition of HTPB oligomers. <i>Polymer Chemistry</i> , 2021, 12, 2606-2617.	3.9	11
18	Nitrated Cross-linked Î²-Cyclodextrin Binders Exhibiting Low Glass Transition Temperatures. <i>Propellants, Explosives, Pyrotechnics</i> , 2018, 43, 1023-1031.	1.6	10

#	ARTICLE	IF	CITATIONS
19	Interfacial water morphology in hydrated melanin. <i>Soft Matter</i> , 2021, 17, 7940-7952.	2.7	6
20	Structure and Dynamics of the Superprotonic Conductor Caesium Hydrogen Sulfate, CsHSO ₄ . <i>Molecules</i> , 2020, 25, 1271.	3.8	4
21	Quantitative real time sensing reveals enhanced sensitivity of polar dendrimer thin films for plastic explosive taggants. <i>Journal of Materials Chemistry C</i> , 2015, 3, 9412-9424.	5.5	2
22	<i>In situ</i> illumination with inelastic neutron scattering: a study of the photochromic material <i>cis</i> -1,2-dicyano-1,2-bis(2,4,5-trimethyl-3-thienyl)ethene (CMTE). <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 22324-22329.	2.8	2
23	The low energy phonon modes of the hydrogenated and deuterated π -conjugated system 7,7,8,8-tetracyanoquinodimethane: an inelastic neutron scattering study. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 2899-2905.	2.8	1
24	Vertical morphology in solution-processed organic solar cells. , 2011, , .		0
25	Neutron Spectroscopy: An Underutilised Tool for Organic Electronics Research?. <i>Angewandte Chemie</i> , 2019, 131, 9439-9447.	2.0	0