

Patrick A Julien

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,425
citations

623574

14
h-index

794469

19
g-index

24
all docs

24
docs citations

24
times ranked

1968
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal-organic frameworks meet scalable and sustainable synthesis. <i>Green Chemistry</i> , 2017, 19, 2729-2747.	4.6	327
2	In situ X-ray diffraction monitoring of a mechanochemical reaction reveals a unique topology metal-organic framework. <i>Nature Communications</i> , 2015, 6, 6662.	5.8	294
3	<i>In Situ</i> Monitoring and Mechanism of the Mechanochemical Formation of a Microporous MOF-74 Framework. <i>Journal of the American Chemical Society</i> , 2016, 138, 2929-2932.	6.6	194
4	Exploring the Effect of Temperature on a Mechanochemical Reaction by in Situ Synchrotron Powder X-ray Diffraction. <i>Crystal Growth and Design</i> , 2016, 16, 2342-2347.	1.4	93
5	Halogen-bonded cocrystallization with phosphorus, arsenic and antimony acceptors. <i>Nature Communications</i> , 2019, 10, 61.	5.8	78
6	Enthalpy vs. friction: heat flow modelling of unexpected temperature profiles in mechanochemistry of metal-organic frameworks. <i>Chemical Science</i> , 2018, 9, 2525-2532.	3.7	77
7	Quantitative in situ and real-time monitoring of mechanochemical reactions. <i>Faraday Discussions</i> , 2014, 170, 203-221.	1.6	73
8	The effect of milling frequency on a mechanochemical organic reaction monitored by in situ Raman spectroscopy. <i>Beilstein Journal of Organic Chemistry</i> , 2017, 13, 2160-2168.	1.3	58
9	Unprecedented Radiation Resistant Thorium-Binaphthol Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2020, 142, 13299-13304.	6.6	43
10	Real-Time in Situ Monitoring of Particle and Structure Evolution in the Mechanochemical Synthesis of UiO-66 Metal-Organic Frameworks. <i>Crystal Growth and Design</i> , 2020, 20, 49-54.	1.4	42
11	In situ monitoring of mechanochemical synthesis of calcium urea phosphate fertilizer cocrystal reveals highly effective water-based autocatalysis. <i>Chemical Science</i> , 2020, 11, 2350-2355.	3.7	40
12	In situ monitoring of mechanochemical covalent organic framework formation reveals templating effect of liquid additive. <i>CheM</i> , 2021, 7, 1639-1652.	5.8	36
13	Open versus Interpenetrated: Switchable Supramolecular Trajectories in Mechanosynthesis of a Halogen-Bonded Borromean Network. <i>CheM</i> , 2021, 7, 146-154.	5.8	17
14	Unusual Metal-Organic Framework Topology and Radiation Resistance through Neptunyl Coordination Chemistry. <i>Journal of the American Chemical Society</i> , 2021, 143, 17354-17359.	6.6	16
15	Environmentally-Friendly Designs and Syntheses of Metal-Organic Frameworks (MOFs). <i>ACS Symposium Series</i> , 2014, , 161-183.	0.5	12
16	<i>In situ</i> Raman spectroscopy of uranyl peroxide nanoscale cage clusters under hydrothermal conditions. <i>Dalton Transactions</i> , 2019, 48, 7755-7765.	1.6	10
17	Prediction of Solution Behavior via Calorimetric Measurements Allows for Detailed Elucidation of Polyoxometalate Transformation. <i>Inorganic Chemistry</i> , 2021, 60, 6753-6763.	1.9	6
18	Investigation of BINOL-3,3'-dicarboxylate as a ligand for the formation of extended coordination-based structures. <i>Supramolecular Chemistry</i> , 2018, 30, 488-503.	1.5	4

#	ARTICLE	IF	CITATIONS
19	Assembly of Uranyl Peroxides from Ball Milled Solids. <i>Inorganic Chemistry</i> , 2022, 61, 11319-11324.	1.9	2