

Peter Dunne

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2824347/publications.pdf>

Version: 2024-02-01

25
papers

757
citations

471509

17
h-index

580821

25
g-index

25
all docs

25
docs citations

25
times ranked

1267
citing authors

#	ARTICLE	IF	CITATIONS
1	Large-scale continuous hydrothermal production and activation of ZIF-8. <i>Chemical Communications</i> , 2015, 51, 12811-12814.	4.1	86
2	Towards scalable and controlled synthesis of metal-organic framework materials using continuous flow reactors. <i>Reaction Chemistry and Engineering</i> , 2016, 1, 352-360.	3.7	68
3	Continuous-flow hydrothermal synthesis for the production of inorganic nanomaterials. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2015, 373, 20150015.	3.4	66
4	Synthesis of CaCO ₃ nano- and micro-particles by dry ice carbonation. <i>Chemical Communications</i> , 2017, 53, 6657-6660.	4.1	64
5	The rapid size- and shape-controlled continuous hydrothermal synthesis of metal sulphide nanomaterials. <i>Nanoscale</i> , 2014, 6, 2406-2418.	5.6	53
6	Assessing the life cycle environmental impacts of titania nanoparticle production by continuous flow solvo/hydrothermal syntheses. <i>Green Chemistry</i> , 2017, 19, 1536-1547.	9.0	45
7	A family of double-bowl pseudo metallocalix[6]arene discs. <i>Dalton Transactions</i> , 2010, 39, 4809.	3.3	38
8	Planar [Ni ₇] discs as double-bowl, pseudometallocalix[6]arenehost cavities. <i>CrystEngComm</i> , 2010, 12, 59-63.	2.6	36
9	Thermal transformations of Cu-Mg (Zn)-Al(Fe) hydrotalcite-like materials into metal oxide systems and their catalytic activity in selective oxidation of ammonia to dinitrogen. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 114, 731-747.	3.6	35
10	The sequential continuous-flow hydrothermal synthesis of molybdenum disulphide. <i>Chemical Communications</i> , 2015, 51, 4048-4050.	4.1	33
11	Dehydration of the Uranyl Peroxide Studtite, [UO ₂ (f ² -O ₂)(H ₂ O) ₂] ² ·2H ₂ O, Affords a Drastic Change in the Electronic Structure: A Combined X-ray Spectroscopic and Theoretical Analysis. <i>Inorganic Chemistry</i> , 2018, 57, 1735-1743.	4.0	31
12	Control of chemical state of cerium in doped anatase TiO ₂ by solvothermal synthesis and its application in photocatalytic water reduction. <i>Journal of Materials Chemistry A</i> , 2015, 3, 9890-9898.	10.3	27
13	Bench- and pilot-scale continuous-flow hydrothermal production of barium strontium titanate nanopowders. <i>Chemical Engineering Journal</i> , 2016, 289, 433-441.	12.7	24
14	Continuous hydrothermal synthesis of Ca ₂ Al(NO ₃) ₆ layered double hydroxides: The impact of reactor temperature, pressure and NaOH concentration on crystal characteristics. <i>Journal of Colloid and Interface Science</i> , 2017, 504, 492-499.	9.4	24
15	Hierarchically Structured Ceria-Silica: Synthesis and Thermal Properties. <i>Journal of Physical Chemistry C</i> , 2012, 116, 13435-13445.	3.1	23
16	Continuous flow synthesis of tungsten oxide (WO ₃) nanoplates from tungsten (VI) ethoxide. <i>Chemical Engineering Journal</i> , 2013, 226, 22-29.	12.7	22
17	A review of the environmental impact of nanomaterial synthesis using continuous flow hydrothermal synthesis. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2018, 12, 57-62.	5.9	22
18	High-Performance Boron Nitride-Based Membranes for Water Purification. <i>Nanomaterials</i> , 2022, 12, 473.	4.1	16

#	ARTICLE	IF	CITATIONS
19	Continuous synthesis of dispersant-coated hydroxyapatite plates. CrystEngComm, 2015, 17, 6175-6182.	2.6	13
20	Transition metal doped anatase nanocrystals: Continuous-flow hydrothermal synthesis and photocatalytic activity. Journal of Environmental Chemical Engineering, 2016, 4, 2665-2670.	6.7	9
21	The synthesis of organo-soluble anatase nanocrystals from amorphous titania. Chemical Communications, 2012, 48, 7453.	4.1	7
22	Highly Soluble Ligand Stabilized Tin Oxide Nanocrystals: Gel Formation and Thin Film Production. Crystal Growth and Design, 2014, 14, 4819-4826.	3.0	7
23	Luminescent calcium carbonate micro "bow ties"™. Materials Today Communications, 2019, 20, 100590.	1.9	5
24	CHAPTER 14. The Engineering of Continuous Hydrothermal/Solvothermal Synthesis of Nanomaterials. RSC Green Chemistry, 2018, , 416-448.	0.1	2
25	CHAPTER 15. The Chemistry of Continuous Hydrothermal/Solvothermal Synthesis of Nanomaterials. RSC Green Chemistry, 2018, , 449-475.	0.1	1