

Peter D Southon

List of Publications by Year in descending order

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45
papers

4,070
citations

201575

27
h-index

233338

45
g-index

47
all docs

47
docs citations

47
times ranked

5467
citing authors

#	ARTICLE	IF	CITATIONS
1	Functionalization of Halloysite Clay Nanotubes by Grafting with $\hat{3}$ -Aminopropyltriethoxysilane. Journal of Physical Chemistry C, 2008, 112, 15742-15751.	1.5	827
2	Dynamic Interplay between Spin-Crossover and Host $\hat{2}$ Guest Function in a Nanoporous Metal $\hat{2}$ Organic Framework Material. Journal of the American Chemical Society, 2009, 131, 10998-11009.	6.6	416
3	Dynamic Photo $\hat{5}$ Switching in Metal $\hat{4}$ Organic Frameworks as a Route to Low $\hat{4}$ Energy Carbon Dioxide Capture and Release. Angewandte Chemie - International Edition, 2013, 52, 3695-3698.	7.2	309
4	Negative Thermal Expansion in the Metal $\hat{4}$ Organic Framework Material Cu ₃ (1,3,5 $\hat{4}$ benzenetricarboxylate) ₂ . Angewandte Chemie - International Edition, 2008, 47, 8929-8932.	7.2	251
5	Single-Crystal to Single-Crystal Structural Transformation and Photomagnetic Properties of a Porous Iron(II) Spin-Crossover Framework. Journal of the American Chemical Society, 2008, 130, 2869-2876.	6.6	228
6	Metal $\hat{4}$ Organic Frameworks with Exceptionally High Methane Uptake: Where and How is Methane Stored?. Chemistry - A European Journal, 2010, 16, 5205-5214.	1.7	227
7	Guest Programmable Multistep Spin Crossover in a Porous 2-D Hofmann-Type Material. Journal of the American Chemical Society, 2017, 139, 1330-1335.	6.6	169
8	Nanoporosity and Exceptional Negative Thermal Expansion in Single $\hat{4}$ Network Cadmium Cyanide. Angewandte Chemie - International Edition, 2008, 47, 1396-1399.	7.2	167
9	Reversible hydrogen gas uptake in nanoporous Prussian Blue analogues. Chemical Communications, 2005, , 3322.	2.2	155
10	Organosilane functionalization of halloysite nanotubes for enhanced loading and controlled release. Nanotechnology, 2012, 23, 375705.	1.3	123
11	Photoresponsive spiropyran-functionalised MOF-808: postsynthetic incorporation and light dependent gas adsorption properties. Journal of Materials Chemistry A, 2016, 4, 10816-10819.	5.2	114
12	Hierarchical Self $\hat{4}$ Assembly of a Chiral Metal $\hat{4}$ Organic Framework Displaying Pronounced Porosity. Angewandte Chemie - International Edition, 2010, 49, 1075-1078.	7.2	90
13	Tuning pore size in a zirconium $\hat{4}$ tricarboxylate metal $\hat{4}$ organic framework. CrystEngComm, 2014, 16, 6530-6533.	1.3	84
14	Formation and Characterization of an Aqueous Zirconium Hydroxide Colloid. Chemistry of Materials, 2002, 14, 4313-4319.	3.2	81
15	Reversible and Selective O ₂ Chemisorption in a Porous Metal $\hat{4}$ Organic Host Material. Journal of the American Chemical Society, 2011, 133, 10885-10891.	6.6	75
16	Spectroscopic Studies of Disorder in the Microporous Titanosilicate ETS-10. Chemistry of Materials, 2002, 14, 4209-4218.	3.2	70
17	Enhancing gas permeability in mixed matrix membranes through tuning the nanoparticle properties. Journal of Membrane Science, 2015, 482, 49-55.	4.1	65
18	Application of the piperazine-grafted CuBTTri metal-organic framework in postcombustion carbon dioxide capture. Microporous and Mesoporous Materials, 2013, 174, 74-80.	2.2	41

#	ARTICLE	IF	CITATIONS
37	Gas and vapor adsorption in octacyanometallate-based frameworks $Mn_2[M(CN)_8]$ ($M = W, Mo$) with exposed Mn^{2+} sites. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 884-889.	3.8	12
38	Phase diagram, chemical stability and physical properties of the solid-solution $Ba_4Nb_2TaO_9$. <i>Journal of Solid State Chemistry</i> , 2011, 184, 2648-2654.	1.4	11
39	Strong Interplay between the Electron Spin Lifetime in Chemically Synthesized Graphene Multilayers and Surface-Bound Oxygen. <i>Chemistry - A European Journal</i> , 2015, 21, 770-777.	1.7	11
40	Photoactive and Physical Properties of an Azobenzene-Containing Coordination Framework. <i>Australian Journal of Chemistry</i> , 2017, 70, 1171.	0.5	8
41	Homochiral Metal Organic Frameworks and Their Usage for the Enantio-Purification of Racemic Drugs. <i>ChemistrySelect</i> , 2018, 3, 10434-10438.	0.7	6
42	Host-guest adsorption behavior of deuterated methane and molecular oxygen in a porous rare-earth metal-organic framework. <i>Powder Diffraction</i> , 2014, 29, S96-S101.	0.4	4
43	Salen-Based Metal Complexes and the Physical Properties of their Porous Organic Polymers. <i>Australian Journal of Chemistry</i> , 2019, 72, 916.	0.5	1
44	Dynamic Photo-Switching in Metal-Organic Frameworks as a Route to Low-Energy Carbon Dioxide Capture and Release (<i>Angew. Chem.</i> 13/2013). <i>Angewandte Chemie</i> , 2013, 125, 3864-3864.	1.6	0
45	Flexible Yttrium Coordination Geometry Inhibits Bare-Metal-Guest Interactions in the Metal-Organic Framework $Y(btc)$. <i>Energies</i> , 2016, 9, 836.	1.6	0