

Peter D Southon

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1484229/publications.pdf>

Version: 2024-02-01

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 β -Aminopropyltriethoxysilane. <i>Journal of Physical Chemistry C</i> , 2008, 112, 15742-15751.	1.5	827
2	Dynamic Interplay between Spin-Crossover and Hostâ€”Guest Function in a Nanoporous Metalâ€”Organic Framework Material. <i>Journal of the American Chemical Society</i> , 2009, 131, 10998-11009.	6.6	416
3	Dynamic Photoâ€“Switching in Metalâ€“Organic Frameworks as a Route to Lowâ€“Energy Carbon Dioxide Capture and Release. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3695-3698.	7.2	309
4	Negative Thermal Expansion in the Metalâ€“Organic Framework Material $\text{Cu}_{3}(1,3,5\text{-benzenetricarboxylate})_2$. <i>Angewandte Chemie - International Edition</i> , 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. <i>Journal of the American Chemical Society</i> , 2008, 130, 2869-2876.	6.6	228
6	Metalâ€“Organic Frameworks with Exceptionally High Methane Uptake: Where and How is Methane Stored?. <i>Chemistry - A European Journal</i> , 2010, 16, 5205-5214.	1.7	227
7	Guest Programmable Multistep Spin Crossover in a Porous 2-D Hofmann-Type Material. <i>Journal of the American Chemical Society</i> , 2017, 139, 1330-1335.	6.6	169
8	Nanoporosity and Exceptional Negative Thermal Expansion in Singleâ€“Network Cadmium Cyanide. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 1396-1399.	7.2	167
9	Reversible hydrogen gas uptake in nanoporous Prussian Blue analogues. <i>Chemical Communications</i> , 2005, , 3322.	2.2	155
10	Organosilane functionalization of halloysite nanotubes for enhanced loading and controlled release. <i>Nanotechnology</i> , 2012, 23, 375705.	1.3	123
11	Photoresponsive spiropyran-functionalised MOF-808: postsynthetic incorporation and light dependent gas adsorption properties. <i>Journal of Materials Chemistry A</i> , 2016, 4, 10816-10819.	5.2	114
12	Hierarchical Selfâ€“Assembly of a Chiral Metalâ€“Organic Framework Displaying Pronounced Porosity. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 1075-1078.	7.2	90
13	Tuning pore size in a zirconiumâ€“tricarboxylate metalâ€“organic framework. <i>CrystEngComm</i> , 2014, 16, 6530-6533.	1.3	84
14	Formation and Characterization of an Aqueous Zirconium Hydroxide Colloid. <i>Chemistry of Materials</i> , 2002, 14, 4313-4319.	3.2	81
15	Reversible and Selective O ₂ Chemisorption in a Porous Metalâ€“Organic Host Material. <i>Journal of the American Chemical Society</i> , 2011, 133, 10885-10891.	6.6	75
16	Spectroscopic Studies of Disorder in the Microporous Titanosilicate ETS-10. <i>Chemistry of Materials</i> , 2002, 14, 4209-4218.	3.2	70
17	Enhancing gas permeability in mixed matrix membranes through tuning the nanoparticle properties. <i>Journal of Membrane Science</i> , 2015, 482, 49-55.	4.1	65
18	Application of the piperazine-grafted CuBTTri metal-organic framework in postcombustion carbon dioxide capture. <i>Microporous and Mesoporous Materials</i> , 2013, 174, 74-80.	2.2	41

#	ARTICLE	IF	CITATIONS
19	Reversible Guest Binding in a Non-porous Fe ^{II} Coordination Polymer Host Toggles Spin Crossover. <i>Chemistry - A European Journal</i> , 2015, 21, 16066-16072.	1.7	41
20	Exploiting Pressure To Induce a "Guest-Blocked" Spin Transition in a Framework Material. <i>Inorganic Chemistry</i> , 2016, 55, 10490-10498.	1.9	41
21	Solvent-modified dynamic porosity in chiral 3D kagome frameworks. <i>Dalton Transactions</i> , 2013, 42, 7871.	1.6	33
22	Exploiting stable radical states for multifunctional properties in triarylamine-based porous organic polymers. <i>Journal of Materials Chemistry A</i> , 2014, 2, 12466-12474.	5.2	33
23	Oxygen chemisorption/desorption in a reversible single-crystal-to-single-crystal transformation. <i>Chemical Science</i> , 2014, 5, 4017-4025.	3.7	32
24	ETS-10 as a photocatalyst. <i>International Journal of Photoenergy</i> , 2003, 5, 131-140.	1.4	31
25	Carbon dioxide adsorption by physisorption and chemisorption interactions in piperazine-grafted Ni2(dobdc) (dobdc = 1,4-dioxido-2,5-benzenedicarboxylate). <i>Dalton Transactions</i> , 2012, 41, 11739.	1.6	30
26	Selective Gas Adsorption in a Pair of Robust Isostructural MOFs Differing in Framework Charge and Anion Loading. <i>Inorganic Chemistry</i> , 2014, 53, 12076-12083.	1.9	29
27	Guest Adsorption in the Nanoporous Metal-Organic Framework Cu3(1,3,5-Benzenetricarboxylate)2: Combined In Situ X-ray Diffraction and Vapor Sorption. <i>Chemistry of Materials</i> , 2014, 26, 4712-4723.	3.2	26
28	A nanoporous chiral metal-organic framework material that exhibits reversible guest adsorption. <i>Dalton Transactions</i> , 2008, , 6103.	1.6	24
29	Topotactic structural conversion and hydration-dependent thermal expansion in robust LnM ^{III} (CN) ₆ ·nH ₂ O and flexible ALnFe ^{II} (CN) ₆ ·nH ₂ O frameworks (A = Li, Na, K; Ln = La-Lu, Y; M = Co,) T _j = 78431.4 K	3.7	23
30	Multifunctional MOFs through CO ₂ fixation: a metamagnetic kagome lattice with uniaxial zero thermal expansion and reversible guest sorption. <i>Dalton Transactions</i> , 2014, 43, 14766-14771.	1.6	21
31	AM-6: a microporous one-dimensional ferromagnet. <i>Dalton Transactions</i> , 2009, , 8025.	1.6	20
32	Identification of bridged CO ₂ binding in a Prussian blue analogue using neutron powder diffraction. <i>Chemical Communications</i> , 2013, 49, 9404.	2.2	20
33	Tunable Porous Coordination Polymers for the Capture, Recovery and Storage of Inhalation Anesthetics. <i>Chemistry - A European Journal</i> , 2017, 23, 7871-7875.	1.7	19
34	Commensurate CO ₂ Capture, and Shape Selectivity for HCCH over H ₂ CCH ₂ in Zigzag Channels of a Robust Cu ^I (CN)(L) Metal-Organic Framework. <i>Inorganic Chemistry</i> , 2016, 55, 6195-6200.	1.9	18
35	Mixed-Component Sulfone-Sulfoxide Tagged Zinc IRMOFs: <i>In Situ</i> Ligand Oxidation, Carbon Dioxide, and Water Sorption Studies. <i>Crystal Growth and Design</i> , 2017, 17, 2016-2023.	1.4	18
36	Syntheses, Crystal Structures, and the Phase Transformation of Octacyanometallate-Based Ln ^{III} W ^V Bimetallic Assemblies with Two-Dimensional Corrugated Layers. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 3610-3614.	1.0	14

#	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. International Journal of Hydrogen Energy, 2014, 39, 884-889.	3.8	12
38	Phase diagram, chemical stability and physical properties of the solid-solution Ba ₄ Nb ₂ Ta O ₉ . Journal of Solid State Chemistry, 2011, 184, 2648-2654.	1.4	11
39	Strong Interplay between the Electron Spin Lifetime in Chemically Synthesized Graphene Multilayers and Surface-bound Oxygen. Chemistry - A European Journal, 2015, 21, 770-777.	1.7	11
40	Photoactive and Physical Properties of an Azobenzene-Containing Coordination Framework. Australian Journal of Chemistry, 2017, 70, 1171.	0.5	8
41	Homochiral Metal Organic Frameworks and Their Usage for the Enantio-purification of Racemic Drugs. ChemistrySelect, 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. Powder Diffraction, 2014, 29, S96-S101.	0.4	4
43	Salen-Based Metal Complexes and the Physical Properties of their Porous Organic Polymers. Australian Journal of Chemistry, 2019, 72, 916.	0.5	1
44	Rücktitelbild: Dynamic Photo-Switching in Metal-Organic Frameworks as a Route to Low-Energy Carbon Dioxide Capture and Release (Angew. Chem. 13/2013). Angewandte Chemie, 2013, 125, 3864-3864.	1.6	0
45	Flexible Yttrium Coordination Geometry Inhibits Bare-Metal-Guest Interactions in the Metal-Organic Framework Y(btC). Energies, 2016, 9, 836.	1.6	0