Paul S Wheatley

List of Publications by Year
in descending order

47 papers	5,185 citations	159585 30 h-index	197818 49 g-index
49 all docs	49 docs citations	49 times ranked	5908 citing authors

#	Article	IF	Citations
1	How Reproducible are Surface Areas Calculated from the BET Equation?. Advanced Materials, 2022, 34, .	21.0	82
2	Controlled Synthesis of Large Single Crystals of Metalâ€Organic Framework CPOâ€27â€Ni Prepared by a Modulation Approach: <i>In situ</i> Singleâ€Crystal Xâ€ray Diffraction Studies. Chemistry - A European Journal, 2021, 27, 8537-8546.	3.3	8
3	Solvothermal Synthesis of a Novel Calcium Metal-Organic Framework: High Temperature and Electrochemical Behaviour. Molecules, 2021, 26, 7048.	3.8	7
4	Synthetic and Crystallographic Investigation of the Layered Coordination Framework Copper-1,3-bis(4-carboxyphenyl)-5-ethoxybenzene. Crystal Growth and Design, 2020, 20, 39-42.	3.0	1
5	Antibacterial efficacy from NO-releasing MOFâ€"polymer films. Materials Advances, 2020, 1, 2509-2519.	5.4	18
6	Synthesis and structural characterisation of the copper MOF: STAM-NMe2. CrystEngComm, 2019, 21, 5387-5391.	2.6	4
7	Multitechnique Analysis of the Hydration in Three Different Copper Paddle-Wheel Metalâ€"Organic Frameworks. Journal of Physical Chemistry C, 2019, 123, 28219-28232.	3.1	10
8	A procedure for identifying possible products in the assemblyâ€"disassemblyâ€"organizationâ€"reassembly (ADOR) synthesis of zeolites. Nature Protocols, 2019, 14, 781-794.	12.0	22
9	Metalâ€"Organic Frameworkâ€Activated Carbon Composite Materials for the Removal of Ammonia from Contaminated Airstreams. Angewandte Chemie - International Edition, 2019, 58, 11747-11751.	13.8	40
10	Metalâ€"Organic Frameworkâ€Activated Carbon Composite Materials for the Removal of Ammonia from Contaminated Airstreams. Angewandte Chemie, 2019, 131, 11873-11877.	2.0	8
11	Kinetics and Mechanism of the Hydrolysis and Rearrangement Processes within the Assemblyâ€"Disassemblyâ€"Organizationâ€"Reassembly Synthesis of Zeolites. Journal of the American Chemical Society, 2019, 141, 4453-4459.	13.7	21
12	A single crystal study of CPO-27 and UTSA-74 for nitric oxide storage and release. CrystEngComm, 2019, 21, 1857-1861.	2.6	34
13	Proton-Coupled Electron Transfer Enhances the Electrocatalytic Reduction of Nitrite to NO in a Bioinspired Copper Complex. ACS Catalysis, 2018, 8, 5070-5084.	11.2	46
14	Pressure-induced chemistry for the 2D to 3D transformation of zeolites. Journal of Materials Chemistry A, 2018, 6, 5255-5259.	10.3	21
15	Insight into the ADOR zeolite-to-zeolite transformation: the UOV case. Dalton Transactions, 2018, 47, 3084-3092.	3.3	14
16	Monitoring the assemblyâ€"disassemblyâ€"organisationâ€"reassembly process of germanosilicate UTL through<i>in situ</i>pair distribution function analysis. Journal of Materials Chemistry A, 2018, 6, 17011-17018.	10.3	17
17	Hydrolytic stability in hemilabile metalâ€"organic frameworks. Nature Chemistry, 2018, 10, 1096-1102.	13.6	134
18	A Multinuclear NMR Study of Six Forms of AlPO-34: Structure and Motional Broadening. Journal of Physical Chemistry C, 2017, 121, 1781-1793.	3.1	25

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19	In situ solid-state NMR and XRD studies of the ADOR process and the unusual structure of zeolite IPC-6. Nature Chemistry, 2017, 9, 1012-1018.	13.6	63
20	Assemblyâ€“Disassemblyâ€“Organizationâ€“Reassembly Synthesis of Zeolites Based on <i>cfi</i>-Type Layers. Chemistry of Materials, 2017, 29, 5605-5611.	6.7	60
21	Expansion of the ADOR Strategy for the Synthesis of Zeolites: The Synthesis of IPCâ€12 from Zeolite UOV. Angewandte Chemie - International Edition, 2017, 56, 4324-4327.	13.8	70
22	Expansion of the ADOR Strategy for the Synthesis of Zeolites: The Synthesis of IPCâ€12 from Zeolite UOV. Angewandte Chemie, 2017, 129, 4388-4391.	2.0	12
23	Synthesis, Isotopic Enrichment, and Solid-State NMR Characterization of Zeolites Derived from the Assembly, Disassembly, Organization, Reassembly Process. Journal of the American Chemical Society, 2017, 139, 5140-5148.	13.7	42
24	Combined PDF and Rietveld studies of ADORable zeolites and the disordered intermediate IPC-1P. Dalton Transactions, 2016, 45, 14124-14130.	3.3	9
25	Synthesis of Zeolites Using the ADOR (Assembly-Disassembly-Organization-Reassembly) Route. Journal of Visualized Experiments, 2016, , e53463.	0.3	3
26	Synthesis of â€˜unfeasibleâ€™ zeolites. Nature Chemistry, 2016, 8, 58-62.	13.6	186
27	Gradual Release of Strongly Bound Nitric Oxide from Fe₂(NO)₂(dobdc). Journal of the American Chemical Society, 2015, 137, 3466-3469.	13.7	81
28	The ADOR mechanism for the synthesis of new zeolites. Chemical Society Reviews, 2015, 44, 7177-7206.	38.1	275
29	Porous, rigid metal(III)-carboxylate metal-organic frameworks for the delivery of nitric oxide. APL Materials, 2014, 2, .	5.1	66
30	Ionic Liquid assisted Synthesis of Zeoliteâ€TON. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 1177-1181.	1.2	15
31	Zeolites with Continuously Tuneable Porosity. Angewandte Chemie - International Edition, 2014, 53, 13210-13214.	13.8	104
32	Multirate delivery of multiple therapeutic agents from metal-organic frameworks. APL Materials, 2014, 2, .	5.1	58
33	Metalâ€“organic frameworks as potential multi-carriers of drugs. CrystEngComm, 2013, 15, 9364.	2.6	70
34	A rare example of a porous Ca-MOF for the controlled release of biologically active NO. Chemical Communications, 2013, 49, 7773.	4.1	138
35	A family of zeolites with controlled pore size prepared using a top-down method. Nature Chemistry, 2013, 5, 628-633.	13.6	355
36	Metalâ€“organic frameworks for the storage and delivery of biologically active hydrogen sulfide. Dalton Transactions, 2012, 41, 4060.	3.3	128

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37	Protecting group and switchable pore-discriminating adsorption properties of a hydrophilicâ€"hydrophobic metalâ€"organic framework. Nature Chemistry, 2011, 3, 304-310.	13.6	141
38	Metal organic frameworks as NO delivery materials for biological applications. Microporous and Mesoporous Materials, 2010, 129, 330-334.	4.4	209
39	Task specific ionic liquids for the ionothermal synthesis of siliceous zeolites. Chemical Science, 2010, 1, 483.	7.4	81
40	Chemically blockable transformation and ultraselective low-pressure gas adsorption in a non-porous metal organic framework. Nature Chemistry, 2009, 1, 289-294.	13.6	190
41	Gas Storage in Nanoporous Materials. Angewandte Chemie - International Edition, 2008, 47, 4966-4981.	13.8	1,453
42	Exceptional Behavior over the Whole Adsorptionâ˘'Storageâ˘'Delivery Cycle for NO in Porous Metal Organic Frameworks. Journal of the American Chemical Society, 2008, 130, 10440-10444.	13.7	391
43	Calcination of a layered aluminofluorophosphate precursor to form the zeolitic AFO framework. Journal of Materials Chemistry, 2006, 16, 1035.	6.7	40
44	NO-Releasing Zeolites and Their Antithrombotic Properties. Journal of the American Chemical Society, 2006, 128, 502-509.	13.7	230
45	The location of fluoride and organic guests in â€˜as-madeâ€™ pure silica zeolites FER and CHA. Journal of Materials Chemistry, 2003, 13, 1978-1982.	6.7	57
46	Synthesis of two new aluminophosphate based layered materials using Tet-A as a structure-directing agent. Journal of Materials Chemistry, 2002, 12, 477-482.	6.7	21
47	Synthesis and structure of an aluminium 3-aminopropylphosphonate sulfate hydrate. Dalton Transactions RSC, 2001, , 2899-2902.	2.3	9