

Vincent J Smith

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

52
papers

906
citations

18
h-index

28
g-index

62
ext. papers

1,028
ext. citations

5.2
avg, IF

4.6
L-index

#	Paper	IF	Citations
52	Tunable anisotropic thermal expansion of a porous zinc(II) metal-organic framework. <i>Journal of the American Chemical Society</i> , 2013 , 135, 6411-4	16.4	112
51	Giant Negative Area Compressibility Tunable in a Soft Porous Framework Material. <i>Journal of the American Chemical Society</i> , 2015 , 137, 9296-301	16.4	83
50	Pore Wall-Functionalized Luminescent Cd(II) Framework for Selective CO ₂ Adsorption, Highly Specific 2,4,6-Trinitrophenol Detection, and Colorimetric Sensing of Cu ²⁺ Ions. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 10295-10306	8.3	73
49	A combined stretching-tilting mechanism produces negative, zero and positive linear thermal expansion in a semi-flexible Cd(II)-MOF. <i>Chemical Communications</i> , 2014 , 50, 6464-7	5.8	52
48	Uniaxial negative thermal expansion facilitated by weak host-guest interactions. <i>Chemical Communications</i> , 2014 , 50, 4238-41	5.8	44
47	Hand-twistable plastically deformable crystals of a rigid small organic molecule. <i>Chemical Communications</i> , 2018 , 54, 2994-2997	5.8	43
46	Extreme carbon dioxide sorption hysteresis in open-channel rigid metal-organic frameworks. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 2079-83	16.4	40
45	Solvent- and Pressure-Induced Phase Changes in Two 3D Copper Glutarate-Based Metal-Organic Frameworks via Glutarate (+gauche ? -gauche) Conformational Isomerism. <i>Journal of the American Chemical Society</i> , 2017 , 139, 5923-5929	16.4	29
44	Solid-State Conformational Flexibility at Work: Zipping and Unzipping within a Cyclic Peptoid Single Crystal. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 4679-82	16.4	28
43	Syntheses, structures and luminescence behaviours of Group 12 metal(II) thiocyanate complexes with a tetradentate Schiff base: Variation in molecular and crystalline architectures with the change of congeneric metal ions. <i>Polyhedron</i> , 2012 , 38, 26-35	2.7	22
42	Cocrystals: Solution, Mechanochemistry, and Sublimation. <i>Crystal Growth and Design</i> , 2020 , 20, 1139-1149	9.5	22
41	Large volumetric thermal expansion of a novel organic cocrystal over a wide temperature range. <i>CrystEngComm</i> , 2018 , 20, 631-635	3.3	21
40	Inclusion complexes of 2-methoxyestradiol with dimethylated and permethylated β -cyclodextrins: models for cyclodextrin-steroid interaction. <i>Beilstein Journal of Organic Chemistry</i> , 2015 , 11, 2616-30	2.5	21
39	Creation of new guest accessible space under gas pressure in a flexible MOF: multidimensional insight through combination of in situ techniques. <i>Chemical Communications</i> , 2016 , 52, 11374-11377	5.8	20
38	Thermoresponsive Organic Inclusion Compounds: Modification of Thermal Expansion Behavior by Simple Guest Replacement. <i>Chemistry of Materials</i> , 2016 , 28, 5073-5079	9.6	19
37	Reversible thermosalience of 4-aminobenzonitrile. <i>Chemical Communications</i> , 2018 , 54, 6208-6211	5.8	19
36	Cyclodextrin inclusion of four phenylurea herbicides: determination of complex stoichiometries and stability constants using solution ¹ H NMR spectroscopy. <i>Supramolecular Chemistry</i> , 2010 , 22, 172-177	1.8	18

35	Investigation of the inclusion of the herbicide metobromuron in native cyclodextrins by powder X-ray diffraction and isothermal titration calorimetry. <i>Carbohydrate Research</i> , 2009 , 344, 2388-93	2.9	18
34	Carbon dioxide entrapment in an organic molecular host. <i>Chemical Communications</i> , 2014 , 50, 85-7	5.8	17
33	Single-crystal to single-crystal guest exchange and phase transformations in a porous metallocycle. <i>CrystEngComm</i> , 2014 , 16, 4126-4132	3.3	14
32	Molecular recognition and solvatomorphism of a cyclic peptoid: formation of a stable 1D porous framework. <i>CrystEngComm</i> , 2017 , 19, 4704-4708	3.3	14
31	Preparation, Thermal Behaviour and Solid-state Structures of Inclusion Complexes of Permethylated- β -cyclodextrin with the Garlic-derived Antithrombotics (E)- and (Z)-Ajoene. <i>Supramolecular Chemistry</i> , 2004 , 16, 395-403	1.8	14
30	New thiazolidine-2,4-dione derivatives combined with organometallic ferrocene: Synthesis, structure and antiparasitic activity. <i>Applied Organometallic Chemistry</i> , 2018 , 32, e4385	3.1	13
29	Reactivity of Bis(pyridyl)-N-alkylamino Methylpalladium Complexes toward Ethylene: Insights from Experiment and Theory. <i>Organometallics</i> , 2014 , 33, 2247-2256	3.8	12
28	Ring size effect on the solid state assembly of propargyl substituted hexa- and octacyclic peptoids. <i>CrystEngComm</i> , 2016 , 18, 8838-8848	3.3	12
27	Quality by Design Optimization of Cold Sonochemical Synthesis of Zidovudine-Lamivudine Nanosuspensions. <i>Pharmaceutics</i> , 2020 , 12,	6.4	10
26	Extreme Carbon Dioxide Sorption Hysteresis in Open-Channel Rigid Metal-Organic Frameworks. <i>Angewandte Chemie</i> , 2015 , 127, 2107-2111	3.6	10
25	A Comparative Study of the Effect of Different Stabilizers on the Critical Quality Attributes of Self-Assembling Nano Co-Crystals. <i>Pharmaceutics</i> , 2020 , 12,	6.4	8
24	Concomitant polymorphs of p-iso-propylcalix[4]arene. <i>CrystEngComm</i> , 2015 , 17, 5129-5133	3.3	8
23	Nano Co-Crystal Embedded Stimuli-Responsive Hydrogels: A Potential Approach to Treat HIV/AIDS. <i>Pharmaceutics</i> , 2021 , 13,	6.4	8
22	A ring-closing metathesis approach to eight-membered benzannelated scaffolds and subsequent internal alkene isomerizations. <i>Tetrahedron</i> , 2013 , 69, 2038-2047	2.4	7
21	Rare, hypodentate L- β coordination mode of N,N-dialkyl-N'-aroylthioureas leads to unprecedented mixed-ligand [Pt(phen)(L- β) ₂] complexes. <i>New Journal of Chemistry</i> , 2017 , 41, 14995-15002	3.6	7
20	18-Crown-6 templates offset-linked pyrogallol[4]arene dimers. <i>Supramolecular Chemistry</i> , 2013 , 25, 591-595	5.85	6
19	Concepts and Nomenclature in Chemical Crystallography 2012 ,		6
18	Direct Determination of Enthalpies of Sorption Using Pressure-Gradient Differential Scanning Calorimetry: CO ₂ Sorption by Cu-HKUST. <i>ChemSusChem</i> , 2020 , 13, 102-105	8.3	6

17	Crystallisation of organic salts by sublimation: salt formation from the gas phase. <i>CrystEngComm</i> , 2020 , 22, 7826-7831	3.3	6
16	High Pressure In Situ Single-Crystal X-Ray Diffraction Reveals Turnstile Linker Rotation Upon Room-Temperature Stepped Uptake of Alkanes. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 13430-13435	16.4	6
15	Synthesis, Structure and In Vitro Anti-Trypanosomal Activity of Non-Toxic Arylpyrrole-Based Chalcone Derivatives. <i>Molecules</i> , 2020 , 25,	4.8	6
14	Solid-State Conformational Flexibility at Work: Zipping and Unzipping within a Cyclic Peptoid Single Crystal. <i>Angewandte Chemie</i> , 2016 , 128, 4757-4760	3.6	5
13	Design, Synthesis, and Evaluation of Novel Ferroquine and Phenylequine Analogues as Potential Antiplasmodial Agents. <i>ChemMedChem</i> , 2015 , 10, 2099-110	3.7	5
12	Top-Down Synthesis of a Lamivudine-Zidovudine Nano Co-Crystal. <i>Crystals</i> , 2021 , 11, 33	2.3	5
11	A Bidentate Resorcinarene-Based Palladium Carbene Complex. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 1923-1929	2.3	4
10	Characterization of (E)- and (Z)-ajoene inclusion complexes with β -CD and permethylated- β -cyclodextrin using PXRD, single-crystal X-ray diffraction and thermal analysis. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2004 , 60, s217-s217		4
9	N-(2-Amino-pyridin-3-yl)-4-methyl-N-(4-methyl-phenyl-sulfon-yl)benzene-sulfonamide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012 , 68, o1136		2
8	5-Chloro-1-(4-methyl-phenyl-sulfon-yl)-1H-indole. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012 , 68, o3357		2
7	1-tert-Butyl 2-ethyl 5-bromo-3-(thio-phen-2-ylcarbon-yl)-1H-indole-1,2-dicarboxyl-ate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013 , 69, o237		2
6	Solid state structures of p-cresol revisited. <i>CrystEngComm</i> , 2015 , 17, 5134-5138	3.3	1
5	In-Situ Diffraction Studies of Gas Storage Materials on a Laboratory X-Ray System. <i>Materials Research Society Symposia Proceedings</i> , 2013 , 1544, 1		
4	N-(4-Amino-pyrimidin-5-yl)-4-methyl-N-(4-methyl-phenyl-sulfon-yl)benzene-sulfonamide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012 , 68, o3362		
3	1-[(1-Methyl-1H-imidazol-5-yl)meth-yl]-1H-indole-5-carbonitrile. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012 , 68, o3486		
2	1-tert-Butyl 2-ethyl 5-chloro-3-(2-furo-yl)-1H-indole-1,2-dicarboxyl-ate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013 , 69, o446		
1	High Pressure In Situ Single-Crystal X-Ray Diffraction Reveals Turnstile Linker Rotation Upon Room-Temperature Stepped Uptake of Alkanes. <i>Angewandte Chemie</i> , 2021 , 133, 13542-13547	3.6	