

# Sax A Mason

## List of Publications by Year in descending order

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35  
papers

1,577  
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279798

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37  
docs citations

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times ranked

1893  
citing authors

#	ARTICLE	IF	CITATIONS
1	Macromolecular structure phasing by neutron anomalous diffraction. <i>Scientific Reports</i> , 2016, 6, 31487.	3.3	14
2	L-Arabinose Binding, Isomerization, and Epimerization by D-Xylose Isomerase: X-Ray/Neutron Crystallographic and Molecular Simulation Study. <i>Structure</i> , 2014, 22, 1287-1300.	3.3	22
3	Nature of Si-H Interactions in a Series of Ruthenium Silazane Complexes Using Multinuclear Solid-State NMR and Neutron Diffraction. <i>Inorganic Chemistry</i> , 2014, 53, 1156-1165.	4.0	35
4	Binding site asymmetry in human transthyretin: insights from a joint neutron and X-ray crystallographic analysis using perdeuterated protein. <i>IUCr</i> , 2014, 1, 429-438.	2.2	28
5	Step-by-Step Introduction of Silazane Moieties at Ruthenium: Different Extents of Ru-H-Si Bond Activation. <i>Inorganic Chemistry</i> , 2013, 52, 2654-2661.	4.0	23
6	Probing Highly Selective H/D Exchange Processes with a Ruthenium Complex through Neutron Diffraction and Multinuclear NMR Studies.. <i>Inorganic Chemistry</i> , 2013, 52, 7329-7337.	4.0	28
7	A highly hydrated $\beta$ -cyclodextrin/1-undecanol inclusion complex: crystal structure and hydrogen-bond network from high-resolution neutron diffraction at 20 K. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2013, 69, 214-227.	1.1	13
8	Inhibition of D-xylose isomerase by polyols: atomic details by joint X-ray/neutron crystallography. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2012, 68, 1201-1206.	2.5	18
9	(+)-syn-Benzotriborneol an enantiopure C <sub>3</sub> -symmetric receptor for water. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 2464.	2.8	9
10	Dominance of Charge-Assisted Hydrogen Bonding on Short Contacts and Structures that Crystallize with $Z^2 > 1$ . <i>Crystal Growth and Design</i> , 2011, 11, 4904-4919.	3.0	16
11	Molecular heterometallic hydride clusters composed of rare-earth and d-transition metals. <i>Nature Chemistry</i> , 2011, 3, 814-820.	13.6	66
12	High-resolution neutron crystallographic studies of the hydration of the coenzyme cob(II)alamin. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2011, 67, 584-591.	2.5	30
13	Preliminary neutron crystallographic study of human transthyretin. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2011, 67, 1428-1431.	0.7	4
14	The Structure of Water in <i>p</i> -Sulfonatocalix[4]arene. <i>Chemistry - A European Journal</i> , 2011, 17, 10259-10271.	3.3	46
15	Metal Ion Roles and the Movement of Hydrogen during Reaction Catalyzed by D-Xylose Isomerase: A Joint X-Ray and Neutron Diffraction Study. <i>Structure</i> , 2010, 18, 688-699.	3.3	139
16	Dispersion-Driven Hydrogen Bonding: Predicted Hydrogen Bond between Water and Platinum(II) Identified by Neutron Diffraction. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 7440-7443.	13.8	93
17	Neutron Diffraction Studies on a 4-Coordinate Hydrogen Atom in an Yttrium Cluster. <i>Journal of the American Chemical Society</i> , 2008, 130, 3888-3891.	13.7	47
18	A Neutron Diffraction Study of [OsClH <sub>3</sub> (PPh <sub>3</sub> ) <sub>3</sub> ]: A Complex Containing a Highly Stretched Dihydrogen Ligand. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 7227-7230.	13.8	25

#	ARTICLE	IF	CITATIONS
19	Nonclassical vs Classical Metal-H3C $\pi$ C Interactions: Accurate Characterization of a 14-Electron Ruthenium(II) System by Neutron Diffraction, Database Analysis, Solution Dynamics, and DFT Studies. <i>Journal of the American Chemical Society</i> , 2004, 126, 5549-5562.	13.7	97
20	Variable Temperature Neutron Diffraction Analysis of a Very Short O-H $\cdots$ O Hydrogen Bond in 2,3,5,6-Pyrazinetetracarboxylic Acid Dihydrate: Synthon-Assisted Short O-H $\cdots$ O Hydrogen Bonds in a Multicenter Array. <i>Journal of Physical Chemistry A</i> , 2004, 108, 9406-9416.	2.5	77
21	Neutron diffraction study of the highly distorted octahedral complex FeH <sub>2</sub> (CO) <sub>2</sub> [P(OPh) <sub>3</sub> ] <sub>2</sub> . <i>Journal of Organometallic Chemistry</i> , 2003, 676, 85-88.	1.8	15
22	Anisotropic thermal expansion in 18-crown-6 $\cdot$ 2 H <sub>2</sub> O $\cdot$ 2 HNO <sub>3</sub> . <i>New Journal of Chemistry</i> , 2003, 27, 28-31.	2.8	27
23	On the Reliability of C-H $\cdots$ O Interactions in Crystal Engineering: Synthesis and Structure of Two Hydrogen Bonded Phosphonium Bis(aryloxide) Salts. <i>Crystal Growth and Design</i> , 2002, 2, 163-169.	3.0	37
24	Synthesis, X-ray and Neutron Diffraction Characterization, and Ionic Conduction Properties of a New Oxothiomolybdate Li <sub>3</sub> [Mo <sub>8</sub> S <sub>8</sub> O <sub>8</sub> (OH) <sub>8</sub> {HWO <sub>5</sub> (H <sub>2</sub> O)}] $\cdot$ 18 H <sub>2</sub> O. <i>Chemistry - A European Journal</i> , 2002, 8, 349-356.	3.3	31
25	Valence-Shell Charge Concentrations and Electron Delocalization in Alkyl lithium Complexes: Negative Hyperconjugation and Agostic Bonding. <i>Chemistry - A European Journal</i> , 2002, 8, 2324-2334.	3.3	97
26	Agostic deformations based on electron delocalization in the alkyl lithium-complex [2-(Me <sub>3</sub> Si) <sub>2</sub> CHC <sub>5</sub> H <sub>4</sub> N] <sub>2</sub> Electronic supplementary information (ESI) available: experimental and theoretical details of multipole refinements and model systems. See <a href="http://www.rsc.org/suppdata/cc/b1/b105452/j/">http://www.rsc.org/suppdata/cc/b1/b105452/j/</a> . <i>Chemical Communications</i> , 2001, , 2072-2073.	4.1	52
27	$\eta^5$ -Agostic Interactions in Cp*W(NO)(CH <sub>2</sub> Me) <sub>3</sub> and Related Nitrosyl Complexes. <i>Organometallics</i> , 2001, 20, 4492-4501.	2.3	29
28	A fast new diffractometer for chemical crystallography, small proteins and fiber diffraction. <i>Neutron News</i> , 2001, 12, 20-25.	0.2	12
29	Short N-H $\cdots$ Ph hydrogen bonds in ammonium tetraphenylborate characterized by neutron diffraction. <i>Acta Crystallographica Section B: Structural Science</i> , 2000, 56, 254-260.	1.8	32
30	The shortest C-H $\cdots$ O hydrogen bonds yet determined by single crystal neutron diffraction: a structural study of two phosphonium aryloxides. <i>New Journal of Chemistry</i> , 2000, 24, 477-479.	2.8	22
31	Neutron Diffraction Analysis of H <sub>2</sub> O <sub>6</sub> (CO) <sub>18</sub> . <i>Journal of the American Chemical Society</i> , 1997, 119, 11992-11993.	13.7	11
32	Topography of cyclodextrin inclusion complexes. 28. Neutron diffraction study of the hydrogen bonding in partially deuterated $\gamma$ -cyclodextrin $\cdot$ 15 $\cdot$ 7D <sub>2</sub> O at T = 110 K. <i>Journal of the American Chemical Society</i> , 1991, 113, 8081-8089.	13.7	51
33	Topography of cyclodextrin inclusion complexes. Part 25. Cooperative O-H $\cdots$ O hydrogen bonds in $\beta$ -cyclodextrin-ethanol-octahydrate at 15 K: a neutron diffraction study. <i>Journal of the American Chemical Society</i> , 1990, 112, 6184-6190.	13.7	57
34	Topography of cyclodextrin inclusion complexes. Part 23. Neutron diffraction study of the hydrogen bonding in $\beta$ -cyclodextrin undecahydrate at 120 K: from dynamic flip-flops to static homodromic chains. <i>Journal of the American Chemical Society</i> , 1986, 108, 3664-3673.	13.7	222
35	Direct location of the interstitial hydride ligand in [HRu <sub>6</sub> (CO) <sub>18</sub> ] by both X-ray and neutron analyses of [Ph <sub>4</sub> As][HRu <sub>6</sub> (CO) <sub>18</sub> ]. <i>Journal of the Chemical Society Chemical Communications</i> , 1980, , 295.	2.0	51