

Neil Feeder

List of Publications by Year in descending order

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113
docs citations

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4003
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#	ARTICLE	IF	CITATIONS
1	A Highly π -Stacked Organic Semiconductor for Thin Film Transistors Based on Fused Thiophenes. <i>Journal of the American Chemical Society</i> , 1998, 120, 2206-2207.	6.6	403
2	Hydration in Molecular Crystals A Cambridge Structural Database Analysis. <i>Crystal Growth and Design</i> , 2003, 3, 663-673.	1.4	176
3	The Most Twisted Amide: Structure and Reactions. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 785-786.	7.2	150
4	Knowledge-based model of hydrogen-bonding propensity in organic crystals. <i>Acta Crystallographica Section B: Structural Science</i> , 2007, 63, 768-782.	1.8	143
5	Macrocyclization and Molecular Interlocking via Mitsunobu Alkylation: Highlighting the Role of C ⁺ H ⁺ ...O Interactions in Templating. <i>Organic Letters</i> , 2000, 2, 449-452.	2.4	123
6	Synthesis, crystal structures, electronic structure and magnetic behaviour of the trithiatriazapentalenyl radical, C ₂ S ₃ N ₃ . <i>Journal of Materials Chemistry</i> , 2001, 11, 1992-2003.	6.7	123
7	Knowledge-based approaches to co-crystal design. <i>CrystEngComm</i> , 2014, 16, 5839.	1.3	117
8	Knowledge-based H-bond prediction to aid experimental polymorph screening. <i>CrystEngComm</i> , 2009, 11, 2634.	1.3	116
9	Reversible synthesis of π -associated [2]catenanes by ring-closing metathesis: towards dynamic combinatorial libraries of catenanes. <i>New Journal of Chemistry</i> , 1998, 22, 1019-1021.	1.4	111
10	Evaluation of molecular crystal structures using Full Interaction Maps. <i>CrystEngComm</i> , 2013, 15, 65-72.	1.3	109
11	Synthesis, characterisation and optical spectroscopy of platinum(ii) di-ynes and poly-ynes incorporating condensed aromatic spacers in the backbone. <i>Dalton Transactions</i> , 2004, , 2377-2385.	1.6	101
12	Tandem Hetero-Catenation: Templating and Self-Assembly in the Mutual Closure of Two Different Interlocking Rings. <i>Journal of the American Chemical Society</i> , 1998, 120, 1096-1097.	6.6	96
13	Spontaneous, Millisecond Formation of a Twisted Amide from the Amino Acid, and the Crystal Structure of a Tetrahedral Intermediate. <i>Journal of the American Chemical Society</i> , 1998, 120, 7101-7102.	6.6	75
14	Rh(III) Porphyrins as Building Blocks for Porphyrin Coordination Arrays: From Dimers to Heterometallic Undecamers. <i>Inorganic Chemistry</i> , 2001, 40, 2486-2499.	1.9	72
15	Inhalation by Design: Novel Ultra-Long-Acting β_2 -Adrenoreceptor Agonists for Inhaled Once-Daily Treatment of Asthma and Chronic Obstructive Pulmonary Disease That Utilize a Sulfonamide Agonist Headgroup. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 6640-6652.	2.9	72
16	A Concise Synthesis of the Octalactins. <i>Journal of the American Chemical Society</i> , 2004, 126, 2194-2207.	6.6	71
17	Product-Induced Distortion of a Metalloporphyrin Host: Implications for Acceleration of Diels-Alder Reactions. <i>Journal of the American Chemical Society</i> , 2000, 122, 5286-5293.	6.6	64
18	A supramolecular array assembled via the complementary binding properties of ruthenium(II) and tin(IV) porphyrins. <i>New Journal of Chemistry</i> , 2001, 25, 797-800.	1.4	61

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19	Steric Control of the Electronic Ground State in Six-Coordinate Copper(II) Complexes. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 2221-2223.	7.2	60
20	A combined covalent and coordination approach to dendritic multiporphyrin arrays based on ruthenium(II) porphyrins. <i>New Journal of Chemistry</i> , 1999, 23, 359-364.	1.4	58
21	The Challenges of Developing an API Crystallization Process for a Complex Polymorphic and Highly Solvating System. Part I. <i>Organic Process Research and Development</i> , 2009, 13, 1327-1337.	1.3	57
22	Kinetic and Mechanistic Study on Single-Crystal-to-Single-Crystal Photodimerization of 2-Benzyl-5-benzylidenecyclopentanone Utilizing X-ray Diffraction. <i>Journal of the American Chemical Society</i> , 1999, 121, 8246-8250.	6.6	51
23	Luminescent digold ethynyl thienothiophene and dithienothiophene complexes; their synthesis and structural characterisation. <i>Dalton Transactions</i> , 2005, , 874.	1.6	51
24	Synthesis, characterisation and electronic properties of a series of platinum(ii) poly-yne containing novel thienyl-pyridine linker groups. <i>Dalton Transactions RSC</i> , 2002, , 2441-2448.	2.3	50
25	Synthesis and optical characterisation of platinum(ii) poly-yne polymers incorporating substituted 1,4-diethynylbenzene derivatives and an investigation of the intermolecular interactions in the diethynylbenzene molecular precursors. Electronic supplementary information (ESI) available: atomic coordinates for 6 and 7. See http://www.rsc.org/suppdata/nj/b2/b206946f . <i>New Journal of Chemistry</i> , 2002, 27, 149-149.	1.4	49
26	Construction of Multiporphyrin Arrays Using Ruthenium and Rhodium Coordination to Phosphines. <i>Inorganic Chemistry</i> , 2003, 42, 6564-6574.	1.9	46
27	Phosphine-substituted porphyrins as supramolecular building blocks. <i>New Journal of Chemistry</i> , 2000, 24, 261-264.	1.4	40
28	Morphological evaluation of the \hat{I}^3 -polymorph of indomethacin. <i>Journal of Crystal Growth</i> , 2002, 237-239, 300-305.	0.7	40
29	The integration of solid-form informatics into solid-form selection. <i>Journal of Pharmacy and Pharmacology</i> , 2015, 67, 857-868.	1.2	38
30	Synthesis and post-assembly modification of some functionalised, neutral \hat{I}^{ϵ} -associated [2]catenanes. <i>New Journal of Chemistry</i> , 1999, 23, 897-903.	1.4	37
31	Discovery of Potent & Selective Inhibitors of Activated Thrombin-Activatable Fibrinolysis Inhibitor for the Treatment of Thrombosis. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 6095-6103.	2.9	37
32	Structural variety in nitrate complexes of the heavy lanthanides with 2,2,6,6-tetramethyl-2,2'-terpyridine, and stereoselective replacement of nitrate. <i>Dalton Transactions RSC</i> , 2002, , 2027-2030.	2.3	36
33	Synthesis, Structure, and Modeling of a Cyclic Rhodium(III) Porphyrin Dimer with an Encapsulated 4,4'-Bipyridine Ligand. <i>Inorganic Chemistry</i> , 1999, 38, 5178-5183.	1.9	35
34	Phosphine and Phosponite Complexes of a Ruthenium(II) Porphyrin. 1. Synthesis, Structure, and Solution State Studies. <i>Inorganic Chemistry</i> , 2002, 41, 5255-5268.	1.9	34
35	Discovery of a Selective Small-Molecule Melanocortin-4 Receptor Agonist with Efficacy in a Pilot Study of Sexual Dysfunction in Humans. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 3183-3197.	2.9	34
36	Inhalation by Design: Novel Tertiary Amine Muscarinic M ₃ Receptor Antagonists with Slow Off-Rate Binding Kinetics for Inhaled Once-Daily Treatment of Chronic Obstructive Pulmonary Disease. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 6888-6904.	2.9	31

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37	Luminescent supramolecular assemblies based on hydrogen-bonded complexes of stilbenecarboxylic acids and dithieno[3,2-b:2',3'-d]thiophene-2-carboxylic acids with a tris(imidazoline) base. <i>Journal of Materials Chemistry</i> , 2001, 11, 1625-1633.	6.7	30
38	Cyclopolymerisation of an oriented 4,6-bis(4-vinylbenzyl)-myo-inositol orthoformate. <i>Chemical Communications</i> , 2000, , 2419-2420.	2.2	29
39	Structure and magnetic properties of a sulfur-nitrogen radical, methylbenzodithiazolyl. <i>Journal of Materials Chemistry</i> , 2000, 10, 2001-2003.	6.7	29
40	The X-ray crystal structure of linear [3]phenylene. <i>Tetrahedron Letters</i> , 2001, 42, 7329-7332.	0.7	29
41	A Li ₁₀ Cage Containing the [C ₆ H ₁₁ Pâ€¦â€¦â€¦C(Ph)â€¦â€¦â€¦N] ₂ Ion: Umpolung in the Oligomerization of a Nitrile. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 4145-4148.	7.2	27
42	Molecular Conformation and Intermolecular Interactions in the Crystal Structures of Free-Base 5,15-Diarylporphyrins. <i>Crystal Growth and Design</i> , 2002, 2, 27-39.	1.4	27
43	Discovery and synthesis of a new class of opioid ligand having a 3-azabicyclo[3.1.0]hexane core. An example of a "magic methyl" giving a 35-fold improvement in binding. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 4608-4611.	1.0	26
44	Stereoselective synthesis of the indolizidine core of the allopumiliotoxins. <i>Tetrahedron Letters</i> , 1999, 40, 1397-1400.	0.7	25
45	Hydrogen-Bonding Clusters Leading to Formation of Supramolecular Dimers of Metalloporphyrin Receptors: Modulation of Lewis Acidity by H-H Interactions. <i>Chemistry - A European Journal</i> , 2000, 6, 2112-2119.	1.7	25
46	Solid State Dehydration Processes: Mechanism of Water Loss from Crystalline Inosine Dihydrate. <i>Journal of Physical Chemistry B</i> , 2005, 109, 5341-5347.	1.2	23
47	An unprecedented mode of association in diselenadiazolyl radicals: crystal structures and magnetic properties of [p-XC ₆ F ₄ CNSeSeN] ₂ (X=Cl, Br). <i>Chemical Communications</i> , 2000, , 2449-2450.	2.2	22
48	H-bond competition experiments in solution and the solid state. <i>CrystEngComm</i> , 2016, 18, 394-397.	1.3	21
49	The Effect of Varying Substituents on the Equilibrium Distribution and Conformation of Macrocyclic SteroidalN-Acyl Hydrazones. <i>Organic Letters</i> , 2000, 2, 1435-1438.	2.4	20
50	A novel method for the formation of 2-azocanones by lactone-to-lactam ring contraction of 2-oxonanones. <i>Tetrahedron Letters</i> , 1998, 39, 9309-9312.	0.7	19
51	A highly luminescent polymer for LEDs. <i>Synthetic Metals</i> , 1999, 102, 935-936.	2.1	19
52	The Claisen rearrangement approach to fused bicyclic medium-ring oxacycles. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 693.	1.5	19
53	Reaction of [Cp ₂ (CO) ₃ Mo ₂ (η^4 - η^2 -P ₂)(PPh ₂)]-with the Cumulenes 3-ClC ₆ H ₄ NCO, PhNCS, and CS ₂ and with Michael Acceptors: Synthesis and Reactivity of [Cp ₂ (CO) ₃ Mo ₂ (η^4 - η^3 -Ph ₂ PC(H)SP ₂ S)], a Complex Containing an Unusual CSP ₂ S Five-Membered Ring. <i>Organometallics</i> , 2000, 19, 984-993.	1.1	18
54	Coordination Chemistry of Rh(III) Porphyrins: Complexes with Hydrazine, Disulfide, and Diselenide Bridging Ligands. <i>Inorganic Chemistry</i> , 2001, 40, 3217-3221.	1.9	18

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55	The effects of distal ligand substitution on the copper(II)/bis-(2,6-dipyrazol-1-ylpyridine) centre. Dalton Transactions RSC, 2001, , 2083-2088.	2.3	18
56	Stereoselective acyl transfer reactions controlled by the diphenylphosphinoyl group: X-ray structures of stable crystalline silylated tetrahedral intermediates. Tetrahedron Letters, 1994, 35, 5911-5914.	0.7	17
57	Insights into the elimination of HCHO from the clusters $[Mn(CO)_m(COOMe)]^+$ ($Mn \dots Ru_6C$, $m = \dots 16$). J. Chem. Soc., Dalton Trans., 1999, 17, 1071-1074.	2.3	17
58	Discovery of PF-184563, a potent and selective V1a antagonist for the treatment of dysmenorrhoea. The influence of compound flexibility on microsomal stability. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 5684-5687.	1.0	17
59	Inhalation by design: Dual pharmacology β_2 -agonists/M3 antagonists for the treatment of COPD. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 2759-2763.	1.0	17
60	Stereoelectronic interactions between hetero-atoms. Pure and Applied Chemistry, 1999, 71, 385-391.	0.9	16
61	Intramolecular cyclisation of (Z)-N-4-alkenylnitrones and the effects of alkenyl substituents. Tetrahedron Letters, 1999, 40, 1393-1396.	0.7	16
62	Copper(II) complexes of hydroquinone-containing Schiff bases. Towards a structural model for copper amine oxidases. Dalton Transactions RSC, 2000, , 1559-1565.	2.3	15
63	X-ray Diffraction and ^{13}C Solid-State NMR Studies of the Dimethylformamide Solvate of Tetra(C-undecyl)calix[4]resorcinarene. Journal of Physical Chemistry B, 2000, 104, 1921-1926.	1.2	15
64	Formation of Double Cubanese $[Sn_7(NR)_8]$ in the Reactions of Pyridyl and Pyrimidinyl Amines with $Sn(NMe_2)_2$: A Synthetic and Theoretical Study. Inorganic Chemistry, 2002, 41, 1492-1501.	1.9	15
65	Cluster build-up reactions via the ionic coupling of tetraosmium anions and the $[RhCp^*(NCMe)_3]^{2+}$ cation; the crystal and molecular structures of $[Os_4Rh(\eta^4-H)_3(MeC\equiv NH)(CO)_11(\eta^5-Cp^*)]$, $[Os_4Rh(\eta^4-H)_2(CO)_13(\eta^5-Cp^*)]$ and $[Os_4Rh_2(\eta^4-H)_2(CO)_11(\eta^5-Cp^*)_2]$ ($Cp^* = \eta^5-C_5Me_5$). Journal of Organometallic Chemistry, 1999, 573, 237-246.	0.8	13
66	Ligand-Directed Structural Modification of Imidotin(II) Cubanese: The Mixed Oxidation State Double-Cubanese $[Sn_7\{2-NR\}_8] \cdot nTHF$ ($R = \text{Pyrimidinyl, 5-Methylpyridinyl}$). Angewandte Chemie - International Edition, 2000, 39, 1501-1503.	7.2	13
67	The Solid-State Structure of 3-Hydroxy-4-methyl-2(3H)-thiazolethione: Prediction and Measurement. Tetrahedron, 2000, 56, 6617-6624.	1.0	13
68	Structure and Nonadditive Voltammetric Properties of Face-to-Face Bismacrocyclic Ni(II) Receptors in Complexes with Small Organic Guests. Journal of Physical Chemistry B, 2000, 104, 11430-11434.	1.2	13
69	Reaction of ortho-Methylbenzocyanide with Lithium N,N,N'-Trimethylethylenediamide: Assembly and Crystal Structure of a Primary Isoquinolinoamidolithium "Secondary Amine Complex. European Journal of Inorganic Chemistry, 1998, 1998, 879-883.	1.0	12
70	An Investigation of the Structural Diversities of Lithiated HMPA Complexes of o-Mercaptopyridine and Trithiocyanuric Acid: Syntheses, Crystal structures and Model Molecular Orbital Calculations. Journal of Molecular Modeling, 2000, 6, 234-247.	0.8	12
71	Electrophilic ring-opening of $[(RP)_nAs]^+$ anions; a simple route to functionalised neutral phosphines of the type $[(ButP)(ButRP)_2]$. Chemical Communications, 2000, , 2483-2484.	2.2	12
72	Hydrogen-bond motifs in the crystals of hydrophobic amino acids. Acta Crystallographica Section B: Structural Science, 2008, 64, 504-514.	1.8	12

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73	A Quick Method for the Quantitative Analysis of Mixtures. 1. Powder X-Ray Diffraction. Journal of Pharmaceutical Sciences, 2008, 97, 2260-2276.	1.6	12
74	The First Solid-State Structure of a Lithiated Diazomethane with C ⁺ Li and N ⁺ Li Bonds: {[Me ₃ SiC(Li)N ₂]} ₂ ·3 THF. European Journal of Organic Chemistry, 1998, 1998, 861-864.	1.2	10
75	Microwave-assisted synthesis of mGluR1 ligands: carbon, nitrogen and oxygen linked derivatives of pyrido[3,4-d]pyrimidin-4-ylamines. Tetrahedron Letters, 2007, 48, 4293-4296.	0.7	10
76	Synthesis and Structure of the Heterobimetallic Ladder Complex [(MesNH)Sn(1/4-Nma)] ₂ (Li·2THF) ₂ (Mes) Tj ETogO 0 0 rgBT /Overlo	1.9	8
77	Kinetic and Mechanistic Aspects of a Crystal-to-Crystal Photoreaction: Effective use of Single Crystal X-ray Diffraction. Molecular Crystals and Liquid Crystals, 1998, 313, 327-334.	0.3	8
78	Molecular hybridization yields triazole bronchodilators for the treatment of COPD. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 5121-5126.	1.0	8
79	Impact of Mixed Solvent on Co-Crystal Solubility, Ternary Phase Diagram, and Crystallization Scale Up. Crystal Growth and Design, 2016, 16, 1817-1823.	1.4	8
80	Unusual carbonyl and pentamethylcyclopentadienyl bonding modes in mixed rhodium-ruthenium clusters. New Journal of Chemistry, 1998, 22, 1111.	1.4	7
81	Syntheses, structures and electrochemistry of [Zn(L1) ₂](BF ₄) ₂ ·2H ₂ O and [Zn(L1)(TpR)]BF ₄ (L1=1-{pyrid-2-yl}-3-{2,5-dimethoxyphenyl}pyrazole; [TpR] ⁻ =tris-{3-arylpyrazolyl}borate). Polyhedron, 2000, 19, 109-114.	1.0	7
82	Reactions of the spiro monoanion [(Me ₂ N)Sb(1/4-NCy) ₂] ₂ Sb ⁻ with alcohols and thiols (REH; E ⁻ =O or S); syntheses of nido-[Sb ₃ (1/4-NCy) ₃ (1/4-NCy)(ER) ₂] anions and the unique antimony(III) imido cubane [(2-NC ₅ H ₄ O)Sb(1/4-NCy)] ₄ (Cy= cyclohexyl). Dalton Transactions RSC, 2000, , 1841-1847.	2.3	7
83	Reactions of [Os ₃ (CO) ₁₀ (MeCN) ₂] with ethynyl thiophenes: The formation of linked clusters. Inorganica Chimica Acta, 2008, 361, 3117-3124.	1.2	7
84	Optimized glucuronidation of dual pharmacology 1/2-2 agonists/M3 antagonists for the treatment of COPD. MedChemComm, 2011, 2, 870.	3.5	7
85	Bis[1-hydroxypyridine-2(1H)-thionato-S,O]copper(II). Acta Crystallographica Section C: Crystal Structure Communications, 2001, 57, 1157-1158.	0.4	6
86	Association and fragmentation of imidotin(II) complexes containing donor-functionalised peripheries; towards new three-dimensional main group metal ligands. Dalton Transactions RSC, 2000, , 4104-4111.	2.3	5
87	Synthesis and structure of [Cp ₂ PbCp*hf ⁻ Na] ⁻ ·0.5thf; implications to the control of dimensionality in p block metallocene anion systems (Cp ⁻ =C ₅ H ₅ , Cp*hf ⁻ =C ₅ H ₄ CH ₂ C ₄ H ₇ O). Dalton Transactions RSC, 2000, , 2247-2248.	3.2	5
88	Investigation of the Origin of the Topochemical Arrangement in Photoreactive 2-Benzyl-5-benzylidenecyclopentanone Crystal. Molecular Crystals and Liquid Crystals, 2001, 356, 413-422.	0.3	5
89	Hydrogen Bonding in Acid-Amides: Influence of Variable Alkyl Chain Length. Molecular Crystals and Liquid Crystals, 1992, 211, 111-124.	0.3	4
90	A synchrotron diffraction study of two polymorphic forms of 2,5-bis[2-(4-methoxyphenyl)ethenyl]pyrazine. Acta Crystallographica Section C: Crystal Structure Communications, 2000, 56, 1277-1279.	0.4	4

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91	4,4'-Bipyridine-3,3'-dicarboxylic acid dihydrate. Acta Crystallographica Section E: Structure Reports Online, 2001, 57, o869-o871.	0.2	4
92	Comparative Study of Crystal Packing in Amido-Benzoic and Amido-Perbenzoic Acids. Molecular Crystals and Liquid Crystals, 1994, 240, 231-239.	0.3	3
93	Supramolecular assemblies with dithieno[3,2-b;2',3'-d]thiophenes and other conjugated thiophene-containing π -systems. Synthetic Metals, 2001, 119, 175-176.	2.1	3
94	DL-HistidineDL-tartrate. Acta Crystallographica Section E: Structure Reports Online, 2004, 60, o1273-o1274.	0.2	3
95	D-Histidinium (2S,3S)-tartrate. Acta Crystallographica Section E: Structure Reports Online, 2004, 60, o1374-o1375.	0.2	3
96	Stereochemistry of reduction of a heterocyclic α -hydroxy-ketone: The structure, conformation and preparation of the syn and anti-3,3,6,6-tetramethylthiepan-4,5-diols. Tetrahedron Letters, 1994, 35, 9095-9098.	0.7	2
97	Synthesis and structure of [Sn ₉ (Ndmp) ₇ (HNdmp)2O ₂], containing a bidentate double-cubane oxo		