Jan ÄŒejka

List of Publications by Year
in descending order

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84	682	623188	642321
papers	citations	14	23
		h-index	g-index

95	95	95	1056
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	CrystalCMP: an easy-to-use tool for fast comparison of molecular packing. Journal of Applied Crystallography, 2016, 49, 2172-2183.	1.9	72
2	Direct Câ€“H sulfenylation of purines and deazapurines. Organic and Biomolecular Chemistry, 2013, 11, 5189.	1.5	57
3	Synthesis of bis(polyfluoroalkylated)imidazolium salts as key intermediates for fluorous NHC ligands. Journal of Fluorine Chemistry, 2009, 130, 966-973.	0.9	43
4	Preparation, characterization, and the selective antimicrobial activity of N-alkylammonium 8-diethyleneglycol cobalt bis-dicarbollide derivatives. Journal of Organometallic Chemistry, 2017, 827, 23-31.	0.8	28
5	calix-Tris-TrÃ¶ger's bases â€“ a new cavitand family. Chemical Communications, 2007, , 3835.	2.2	24
6	A high throughput screening method for the nano-crystallization of salts of organic cations. Chemical Science, 2018, 9, 3716-3722.	3.7	23
7	Simvastatin. Acta Crystallographica Section C: Crystal Structure Communications, 2003, 59, o428-o430.	0.4	20
8	Spiro TrÃ¶gerâ€™s Base Derivatives: Another Structural Phoenix?. Organic Letters, 2010, 12, 1872-1875.	2.4	20
9	Systematic solvate screening of trospium chloride: discovering hydrates of a long-established pharmaceutical. CrystEngComm, 2015, 17, 4712-4721.	1.3	20
10	Synthesis of Heavy Fluorous Ruthenium Metathesis Catalysts Using the Stereoselective Addition of Polyfluoroalkyllithium to Sterically Hindered Diimines. Organometallics, 2015, 34, 3327-3334.	1.1	20
11	Restricted Conformational Flexibility of Furanose Derivatives:â€‰ Ab Initio Interpretation of Their Nuclear Spinâ^'Spin Coupling Constants. Journal of Physical Chemistry A, 2004, 108, 6365-6372.	1.1	17
12	Trospium Chloride: Unusual Example of Polymorphism Based on Structure Disorder. Crystal Growth and Design, 2013, 13, 5193-5203.	1.4	17
13	Enantioseparations of non-benzenoid and oligo-TrÃ¶gerâ€™s bases by HPLC on Whelk O1 column. Tetrahedron: Asymmetry, 2009, 20, 1918-1923.	1.8	16
14	Characterizing Crystal Disorder of Trospium Chloride: A Comprehensive,13C CP/MAS NMR, DSC, FTIR, and XRPD Study. Journal of Pharmaceutical Sciences, 2013, 102, 1235-1248.	1.6	15
15	Synthesis and structural studies of flavin and alloxazine adducts with O-nucleophiles. Journal of Molecular Structure, 2011, 1004, 178-187.	1.8	14
16	Synthesis, absolute configuration and in vitro cytotoxicity of deschloroketamine enantiomers: rediscovered and abused dissociative anaesthetic. New Journal of Chemistry, 2018, 42, 19360-19368.	1.4	14
17	Preparation of new trifluoromethyl substituted tri- and tetracyclic heterocycles with Peganin skeleton from a methyl 3,3,3-trifluoropyruvate / 2-aminobenzylamine adduct. Tetrahedron Letters, 1996, 37, 6939-6942.	0.7	13
18	Synthesis of 3â€Fluorofuranâ€2(5H)â€ones Based on Z/E Photoisomerisation and Cyclisation of 2â€Fluoroâ€4â€hydroxybutâ€2â€enoates. European Journal of Organic Chemistry, 2007, 2007, 5917-5925.	1.2	13

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19	Increasing dissolution of trospium chloride by co-crystallization with urea. Journal of Crystal Growth, 2014, 399, 19-26.	0.7	13
20	Bowl-shaped TrÃ¶ger's bases and their recognition properties. Chemical Communications, 2016, 52, 10664-10667.	2.2	13
21	Crystal structures of mollugin and lucidin. Journal of Chemical Crystallography, 2005, 35, 621-627.	0.5	12
22	Nostotrebin 6, a bis(cyclopentenedione) with cholinesterase inhibitory activity isolated from Nostoc sp. str. LukeÅ¡ovÃ¡ 27/97. Journal of Enzyme Inhibition and Medicinal Chemistry, 2010, 25, 414-420.	2.5	12
23	Synthesis and characterisation of a new naphthalene tris-TrÃ¶gerâ€™s base derivativeâ€”a chiral molecular clip. Tetrahedron Letters, 2013, 54, 308-311.	0.7	12
24	Template synthesis and structure of Co(II), Ni(II), and Cu(II) complexes with pyridoxilydenetaurinate Schiff base ligand. Inorganica Chimica Acta, 2018, 477, 248-256.	1.2	12
25	Formal Transition-Metal-Catalyzed Phosphole Câ€“H Activation for the Synthesis of Pentasubstituted Phospholes. Organic Letters, 2020, 22, 2187-2190.	2.4	10
26	Microbatch under-oil salt screening of organic cations: single-crystal growth of active pharmaceutical ingredients. IUCrJ, 2019, 6, 145-151.	1.0	10
27	Molecular and solid-state structure of methyl [2-(acridin-9-ylimino)-3-(tert-butylamino)-4-oxothiazolidin-5-ylidene]acetate. Journal of Molecular Structure, 2008, 875, 419-426.	1.8	9
28	Synthesis and identification of deschloroketamine metabolites in rats' urine and a quantification method for deschloroketamine and metabolites in rats' serum and brain tissue using liquid chromatography tandem mass spectrometry. Drug Testing and Analysis, 2020, 12, 343-360.	1.6	9
29	Limitations of the Wittigâ€“Horner-type annulation of fluorobutenolide moiety to 3-hydroxyquinoline-2,4(2H,3H)-diones. Novel modifications of the Perkow reaction including fluorinated acyloxy leaving groups. Tetrahedron, 2007, 63, 10549-10561.	1.0	8
30	Trifluoromethylated (tetrahydropyrrolo) quinazolinones by a new threeâ€•component reaction and facile assignment of the regioâ€•and stereoisomers formed by NMR spectroscopy. Magnetic Resonance in Chemistry, 2010, 48, 375-385.	1.1	8
31	Derivatives of (Phenylsulfanyl)benzoic Acids with Multiple Antileukotrienic Activity. Collection of Czechoslovak Chemical Communications, 2004, 69, 2098-2120.	1.0	7
32	Evidence for the Cyclic CN₂ Carbene in Solution. Organic Letters, 2014, 16, 852-855.	2.4	7
33	Sodium Aspirin Salts: Crystallization and Characterization. Crystal Growth and Design, 2018, 18, 5287-5294.	1.4	6
34	Regioselective formation of the quinazoline moiety on the upper rim of calix[4]arene as a route to inherently chiral systems. New Journal of Chemistry, 2020, 44, 6490-6500.	1.4	6
35	Absolute Crystal Structure Determination of Ergot Alkaloid - Dihydroergocristine Methanesulfonate Monohydrate. Collection of Czechoslovak Chemical Communications, 1995, 60, 1333-1342.	1.0	6
36	Norleucine, a natural occurrence in a novel ergot alkaloid Î³-ergokryptinine. Amino Acids, 2005, 29, 145-150.	1.2	5

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37	Structures of cabergoline anhydrate form II and novel cabergoline solvates. Structural Chemistry, 2006, 17, 131-137.	1.0	5
38	Polyfluoroalkylated tripyrazolylmethane ligands: Synthesis and complexes. Journal of Fluorine Chemistry, 2011, 132, 434-440.	0.9	5
39	Crystal Structures of Ergot Alkaloid Derivatives. Ergometrine Maleate and Methylergometrine Maleate. Collection of Czechoslovak Chemical Communications, 1996, 61, 1396-1404.	1.0	4
40	Selective Reduction of Peptidic Ergot Alkaloids. Collection of Czechoslovak Chemical Communications, 2000, 65, 1762-1776.	1.0	4
41	Structural flexibility of 2-hetaryl chromium aminocarbene complexes: Experimental and theoretical evidence. Inorganica Chimica Acta, 2014, 421, 439-445.	1.2	4
42	Inherent chirality through a simple dialkylation of 2,14-dithiacalix[4]arene. New Journal of Chemistry, 2020, 44, 14496-14504.	1.4	4
43	Synthesis and Crystal Structure of Pergolide Sulfoxide. Collection of Czechoslovak Chemical Communications, 1998, 63, 803-812.	1.0	3
44	Sterically Crowded Heterocycles. XII. Atropisomerism of (1-Aryl-3,5-diphenyl-1H-pyrrol-2-yl)(phenyl)methanones. Collection of Czechoslovak Chemical Communications, 2000, 65, 651-666.	1.0	3
45	Substituted 2,4,4,6-tetraphenyl-4H-selenopyrans: preparation, photocolouration and 4H-selenopyran ring geometry; an X-ray and DFT calculation study. Perkin Transactions II RSC, 2002, , 1909-1916.	1.1	3
46	(R)-2,2â€²-Bis[Nâ€²-(3,5-dichlorophenyl)ureido]-1,1â€²-binaphthalene chloroform disolvate. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o384-o385.	0.2	3
47	Low-temperature polymorphs of lacosamide. Journal of Crystal Growth, 2021, 562, 126085.	0.7	3
48	Crystal Structures of Dihydro-Î±-ergokryptine and Dihydro-Î²-ergokryptine Mesylates. Collection of Czechoslovak Chemical Communications, 2000, 65, 1329-1338.	1.0	2
49	Photoisomerization of 2,4,4,6-tetraaryl-4H-selenopyrans: a new heterocyclic ring contraction. Mendeleev Communications, 2001, 11, 90-91.	0.6	2
50	Cabergoline, form VII. Acta Crystallographica Section E: Structure Reports Online, 2004, 60, o1167-o1169.	0.2	2
51	Rearrangement of Substituted 2,4,4,6-Tetraaryl-4H-thiopyrans to Triaryl-3aH-benzo[3,4]cyclopenta[1,2-b]thiophene. Collection of Czechoslovak Chemical Communications, 2004, 69, 1631-1642.	1.0	2
52	Chemistry of 2,14-Dithiacalix[4]arene: Searching for the Missing Fifth Conformer. Journal of Organic Chemistry, 2021, 86, 9788-9801.	1.7	2
53	Nucleophile-induced transformation of phenoxathiin-based thiacalixarenes. Organic and Biomolecular Chemistry, 2021, 19, 8075-8085.	1.5	2
54	Intriguing Cytotoxicity of the Street Dissociative Anesthetic Methoxphenidine: Unexpected Impurities Spotted. International Journal of Molecular Sciences, 2022, 23, 2083.	1.8	2

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55	Pergolide mesylate form II. Acta Crystallographica Section C: Crystal Structure Communications, 2003, 59, o575-o576.	0.4	1
56	Crystal structure of fluticasone propionate, C25H31F3O5S. Zeitschrift Fur Kristallographie - New Crystal Structures, 2005, 220, 153-154.	0.1	1
57	5-Ethyl-4a-methoxy-1,3-dimethyl-4a,5-dihydrobenzo[g]pteridine-2,4(1H,3H)dione. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, o1536-o1537.	0.2	1
58	Crystal forms of trospium chloride. Acta Crystallographica Section A: Foundations and Advances, 2009, 65, s304-s304.	0.3	1
59	Dihydrogen Bond in the Aminoborane Complex of a Nicergoline Intermediate. Molecules, 2019, 24, 2548.	1.7	1
60	Epoxidation is the preferred pathway of first-stage metabolism of abiraterone acetate in brown bullhead (Ameiurus nebulosus). Environmental Science and Pollution Research, 2019, 26, 34896-34904.	2.7	1
61	Trospium chloride: polymorphismversusmolecular disorder. Acta Crystallographica Section A: Foundations and Advances, 2013, 69, s678-s678.	0.3	1
62	Sterically Crowded Heterocycles. VIII. Preparative Photoisomerization of Some Imidazo[1,2-a]pyridines. Collection of Czechoslovak Chemical Communications, 1996, 61, 1473-1488.	1.0	1
63	Preparation of New Optically Active Furanoids Containing Various Aza-Heterocyclic Moieties. Collection of Czechoslovak Chemical Communications, 1997, 62, 894-912.	1.0	1
64	Interesting Solvent Area in Crystal Structures of Two Natural Ergot Alkaloids. Collection of Czechoslovak Chemical Communications, 2005, 70, 41-50.	1.0	1
65	Crystal structure of 1-methyl-10Î±-methoxy-9,10-dihydrolysergol, C18H24N2O2. Zeitschrift Fur Kristallographie - New Crystal Structures, 2005, 220, 217-218.	0.1	1
66	Crystal structure of 1-hydroxymethyl-10Î±-methoxy-9,10-dihydrolysergol, C18H24N2O3. Zeitschrift Fur Kristallographie - New Crystal Structures, 2005, 220, .	0.1	1
67	Crystal structure of taxuspinanane A acetonitrile solvate, C47H59NO14 Â· CH3CN. Zeitschrift Fur Kristallographie - New Crystal Structures, 2006, 221, 97-100.	0.1	1
68	Structure Types of Dihydroergotoxine Mesylates. Collection of Czechoslovak Chemical Communications, 2002, 67, 490-501.	1.0	1
69	Sterically Crowded Heterocycles. VI. Relative Configuration of Diastereoisomeric (Z)-1,3-Diphenyl-3-(5-methyl-2-phenylimidazo[1,2-a]pyridin-3-yl)prop-2-en-1-ols. Collection of Czechoslovak Chemical Communications, 1996, 61, 1380-1385.	1.0	1
70	Structural Study of Dopamine Agonist Lisuride. Collection of Czechoslovak Chemical Communications, 2003, 68, 2150-2158.	1.0	0
71	Rearrangement of Substituted 2,4,4,6-Tetraaryl-4H-thiopyrans to Triaryl-3aH-benzo[3,4]cyclopenta[1,2-b]thiophene.. ChemInform, 2005, 36, no.	0.1	0
72	(5R,6R,7R,9R,13R,14S)-21-Cyclopropylmethyl-6,14-endo-ethano-2â€²,3â€²,4â€²,5â€²,7,8-hexahydro-4â€²,4â€²,5â€²,5â€²-tetramethylf hydrochloride methanol solvate. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, o2274-o2276.	0.2	0

#	ARTICLE	IF	CITATIONS
73	Modification of pharmaceutical substances for structure analysis. Acta Crystallographica Section A: Foundations and Advances, 2013, 69, s680-s680.	0.3	0
74	Growing cocrystals by stoichiometric cosublimation. Acta Crystallographica Section A: Foundations and Advances, 2015, 71, s457-s457.	0.0	0
75	Structural characterization of various salts of trospium: from small change of anion to huge unit cell. Acta Crystallographica Section A: Foundations and Advances, 2016, 72, s351-s351.	0.0	0
76	Structural characterization of tenofovir disoproxil fumarate Form I using X-ray and electron diffraction and a study of its conversion to related solid forms. Acta Crystallographica Section A: Foundations and Advances, 2016, 72, s362-s362.	0.0	0
77	MarchingCubeELD - electron density visualization program for small molecules and its application on cyclosporins structures investigation. Acta Crystallographica Section A: Foundations and Advances, 2000, 56, s196-s196.	0.3	0
78	Comprehensive Comparison of the Ergot Alkaloids Family with 5-HT1AReceptor Pharmacophore Models. Acta Crystallographica Section A: Foundations and Advances, 2000, 56, s282-s282.	0.3	0
79	X-ray study on polymorphism of some ergopeptine drugs. Acta Crystallographica Section A: Foundations and Advances, 2002, 58, c126-c126.	0.3	0
80	Multi-component crystals of dihydroergocornine. Acta Crystallographica Section A: Foundations and Advances, 2010, 66, s223-s223.	0.3	0
81	Stereochemistry of disordered fluorinated precursors of NHC ligands. Acta Crystallographica Section A: Foundations and Advances, 2013, 69, s554-s554.	0.3	0
82	Crystalline forms of dihydroergocornine salts. Acta Crystallographica Section A: Foundations and Advances, 2016, 72, s364-s364.	0.0	0
83	X-ray structural analysis of sodium salt of acetylsalicylic acid. Acta Crystallographica Section A: Foundations and Advances, 2016, 72, s357-s357.	0.0	0
84	Novel screening method for the crystallization of salts of organic cations. Acta Crystallographica Section A: Foundations and Advances, 2018, 74, e143-e143.	0.0	0