

Ishtvan Boldog

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47
papers

1,721
citations

22
h-index

41
g-index

49
ext. papers

1,875
ext. citations

5.1
avg, IF

4.42
L-index

#	Paper	IF	Citations
47	Spin-crossover nanocrystals with magnetic, optical, and structural bistability near room temperature. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 6433-7	16.4	254
46	Highly stable nanoporous covalent triazine-based frameworks with an adamantane core for carbon dioxide sorption and separation. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 14990	13	167
45	Spin Crossover Phenomenon in Nanocrystals and Nanoparticles of [Fe(3-Fpy)2M(CN)4] (MII= Ni, Pd, Pt) Two-Dimensional Coordination Polymers. <i>Chemistry of Materials</i> , 2010 , 22, 4271-4281	9.6	119
44	High-yield, fluoride-free and large-scale synthesis of MIL-101(Cr). <i>Dalton Transactions</i> , 2015 , 44, 16791-8013	8.1	113
43	Bifunctional pyrazolate-carboxylate ligands for isorecticular cobalt and zinc MOF-5 analogs with magnetic analysis of the {Co4(μ -O)} node. <i>CrystEngComm</i> , 2013 , 15, 9757	3.3	82
42	Acentric Extended Solids by Self Assembly of 4,4'-Bipyrazolyls The authors gratefully acknowledge support from the Deutsche Forschungsgemeinschaft and the Sächsisches Staatsministerium für Wissenschaft und Kunst.. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 3435-3438	16.4	82
41	Construction of extended networks with a trimeric pyrazole synthon. <i>Chemical Communications</i> , 2003 , 740-1	5.8	62
40	Novel coordination frameworks incorporating the 4,4'-bipyrazolyl ditopic ligand. <i>Inorganic Chemistry</i> , 2012 , 51, 5235-45	5.1	55
39	Polynuclear spin crossover complexes: synthesis, structure, and magnetic behavior of [Fe4(μ -CN)4(phen)4(L)2]4+ squares. <i>Inorganic Chemistry</i> , 2009 , 48, 3710-9	5.1	55
38	1,2,4-Triazole functionalized adamantanes: a new library of polydentate tectons for designing structures of coordination polymers. <i>Dalton Transactions</i> , 2012 , 41, 8675-89	4.3	46
37	Helical Bipyrazole Networks Conditioned by Hydrothermal Crystallization. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2005 , 631, 1095-1100	1.3	44
36	One- and two-dimensional coordination polymers of 3,3',5,5'-tetramethyl-4,4'-bipyrazolyl, a new perspective crystal engineering module. <i>Polyhedron</i> , 2001 , 20, 887-897	2.7	44
35	Mixed-anion complexes with a bipyrazolyl ligand. A new entry to a realm of three-dimensional five-connected coordination topologies. <i>Chemical Communications</i> , 2002 , 436-7	5.8	42
34	Hydrogen Bonding Patterns and Supramolecular Structure of 4,4'-Bipyrazolium Salts. <i>Crystal Growth and Design</i> , 2009 , 9, 2895-2905	3.5	41
33	A mixed-linker approach towards improving covalent triazine-based frameworks for CO2 capture and separation. <i>Microporous and Mesoporous Materials</i> , 2017 , 241, 303-315	5.3	39
32	A rare alb-4,8-Cmce metal coordination network based on tetrazolate and phosphonate functionalized 1,3,5,7-tetraphenyladamantane. <i>CrystEngComm</i> , 2013 , 15, 1235	3.3	37
31	Water effect on the spin-transition behavior of Fe(II) 1,2,4-triazole 1D chains embedded in pores of MCM-41. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 7802-7812	7.1	37

30	4,4'-Bipyrazolyl: new bitopic connector for construction of coordination networks. <i>Inorganica Chimica Acta</i> , 2002 , 338, 69-77	2.7	37
29	Cooperative association of pyrazoles and phenols: A versatile binary system. <i>New Journal of Chemistry</i> , 2004 , 28, 756	3.6	35
28	Coordination polymers of CoII and 3,3',5,5'-tetramethyl-4,4'-bipyrazolyl: a novel metal-organic three-dimensional network with four-coordinated planar vertices. <i>Dalton Transactions RSC</i> , 2001 , 893-897		34
27	Benzoic acid as a selector-modulator in the synthesis of MIL-88B(Cr) and nano-MIL-101(Cr). <i>Dalton Transactions</i> , 2019 , 48, 989-996	4.3	29
26	Synthesis and crystal structure determination of 0D-, 1D- and 3D-metal compounds of 4-(pyrid-4-yl)-1,2,4-triazole with zinc(II) and cadmium(II). <i>Inorganica Chimica Acta</i> , 2011 , 374, 506-513	2.7	27
25	A fluorite isorecticular series of porous framework complexes with tetrahedral ligands: new opportunities for azolate PCPs. <i>CrystEngComm</i> , 2014 , 16, 148-151	3.3	22
24	Modular construction of 3D coordination frameworks incorporating SiF6 ²⁻ linkers: Accessing the significance of [M(pyrazole)4{SiF6}] synthon. <i>CrystEngComm</i> , 2013 , 15, 8280	3.3	22
23	A unique polymeric coordination system that exhibits supramolecular isomerism within two dimensions. <i>Inorganic Chemistry Communication</i> , 2003 , 6, 769-772	3.1	21
22	1,3,5,7-Tetrakis(tetrazol-5-yl)-adamantane: the smallest tetrahedral tetrazole-functionalized ligand and its complexes formed by reaction with anhydrous M(II)Cl2 (M = Mn, Cu, Zn, Cd). <i>Dalton Transactions</i> , 2014 , 43, 12590-605	4.3	20
21	Solvent-triggered relaxative spin state switching of [Fe(HB(pz)3)2] in a closed nano-confinement of NH2-MIL-101(Al). <i>Journal of Materials Chemistry C</i> , 2016 , 4, 6588-6601	7.1	19
20	A view on systematic truncation of tetrahedral ligands for coordination polymers. <i>CrystEngComm</i> , 2017 , 19, 776-780	3.3	17
19	Self-Assembled p-Carborane Analogue of p-Mercaptobenzoic Acid on Au{111}. <i>Chemistry of Materials</i> , 2015 , 27, 5425-5435	9.6	17
18	10-Vertex closo-carborane: a unique ligand platform for porous coordination polymers. <i>CrystEngComm</i> , 2016 , 18, 2036-2040	3.3	16
17	Influence of sterically non-hindering methyl groups on adsorption properties of two classical zinc and copper MOF types. <i>Comptes Rendus Chimie</i> , 2012 , 15, 866-877	2.7	14
16	Photopatterning of fluorescent host-guest carriers through pore activation of metal-organic framework single crystals. <i>Chemical Communications</i> , 2017 , 53, 7222-7225	5.8	12
15	Surfactant templated synthesis of porous VOx-ZrO2 catalysts for ethanol conversion to acetaldehyde. <i>Catalysis Today</i> , 2018 , 304, 64-71	5.3	12
14	1,3,5-Triphenyladamantane and 1,3,5,7-tetraphenyladamantane. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2009 , 65, o248-52		7
13	Acentric Extended Solids by Self Assembly of 4,4'-Bipyrazolyls. <i>Angewandte Chemie</i> , 2001 , 113, 3543-3546		6

12	Porous 10- and 12-vertex (bi)-p-dicarba-closo-boranedicarboxylates of cobalt and their gas adsorptive properties. <i>Microporous and Mesoporous Materials</i> , 2018 , 271, 284-294	5.3	5
11	More versatility than thought: large {Zr ₂₆ } oxocarboxylate cluster by corner-sharing of standard octahedral subunits. <i>CrystEngComm</i> , 2018 , 20, 5132-5136	3.3	5
10	Efficient oxidative dehydrogenation of ethanol by VO _x @MIL-101: On par with VO _x /ZrO ₂ and much better than MIL-47(V). <i>Catalysis Today</i> , 2019 , 324, 106-114	5.3	5
9	Reactions of trialkoxynitridomolybdenum with low-coordinate phosphorus compounds containing a P=N double bond. <i>Dalton Transactions</i> , 2011 , 40, 711-7	4.3	5
8	Ligand Excess "Inverse-Defected" Zr Tetrahedral Tetracarboxylate Framework and Its Thermal Transformation. <i>Inorganic Chemistry</i> , 2019 , 58, 12786-12797	5.1	3
7	When Does a Supramolecular Synthone Fail? Comparison of Bridgehead-Functionalized Adamantanes: The Tri- and Tetra-amides and Amine Hydrochlorides. <i>Crystal Growth and Design</i> , 2019 , 19, 5218-5227	3.5	3
6	Polar hydrogen-bonded organic chains in 4,4'-bipyrazolium bromide and perchlorate monohydrates. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2005 , 61, o373-6		3
5	Solid-State Landscape of 4,4'-Azobis(3,5-dimethyl-1H-pyrazole) with the Isolation of Conformer-Dependent Polymorphs. <i>Crystal Growth and Design</i> , 2020 , 20, 2721-2733	3.5	1
4	Coordination polymer with the framework structure [Zn ₂ (DMA)(Atc)] ₂ DMA: Synthesis, structure, and properties. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2011 , 37, 100-106	1.6	1
3	Redetermination of diaqua-tetra-kis-(dimethyl-formamide- <i>D</i>)magnesium dichloride. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011 , 67, m1109-10		1
2	Supramolecular Hydrogen Bonded Assemblies Involving Bipyrazolyl Tectons. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2002 , 628, 2165-2165	1.3	1
1	Flexible bifunctional monoethylphosphonate/carboxylates of Zn(II) and Co(II) reinforced with DABCO co-ligand: paradigmatic structural organization with pcu topology. <i>CrystEngComm</i> , 2020 , 22, 2933-2944	3.3	0