

Katalin Mészáros Szécsényi

List of Publications by Year in descending order

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49
papers

710
citations

566801

15
h-index

610482

24
g-index

49
all docs

49
docs citations

49
times ranked

988
citing authors

#	ARTICLE	IF	CITATIONS
1	Properties of baked foams from citric acid modified cassava starch and native cassava starch blends. <i>Carbohydrate Polymers</i> , 2016, 136, 107-112.	5.1	79
2	Synthesis, characterization and antitumor activity of novel N-substituted α -amino acids containing ferrocenyl pyrazole-moiety. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 3935-3942.	0.8	60
3	Thermal stability of polyurethane materials based on castor oil as polyol component. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 111, 1083-1091.	2.0	38
4	Synthesis, characterisation and antimicrobial activity of bis(phthalazine-1-hydrazone)-2,6-diacetylpyridine and its complexes with Co(II), Ni(II), Cu(II) and Zn(II). <i>Polyhedron</i> , 2014, 80, 142-150.	1.0	35
5	Preparation and characterization of thermoplastic starch composites with fly ash modified by planetary ball milling. <i>Carbohydrate Polymers</i> , 2018, 191, 198-204.	5.1	33
6	Transition metal complexes with thiosemicarbazide-based ligands. Part LVI: Nickel(II) complex with 1,3-diphenylpyrazole-4-carboxaldehyde thiosemicarbazone and unusually deformed coordination geometry. <i>Polyhedron</i> , 2007, 26, 3783-3792.	1.0	28
7	Transition metal complexes with pyrazole-based ligands. Part 28. Synthesis, structural, DFT and thermal studies of cadmium(II) halides and zinc(II) chloride complexes with 3,5-dimethylpyrazole-1-carboxamide. <i>Polyhedron</i> , 2009, 28, 3881-3889.	1.0	28
8	Structural, spectroscopic and computational studies of the HgL_2Cl_2 complex (L = 1,3,5-trimethyl-2-pyrazolone). <i>Journal of Thermal Analysis and Calorimetry</i> , 2005, 29, 833.	1.4	26
9	Effects of starch types on the properties of baked starch foams. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 115, 833-840.	2.0	25
10	Aliphatic polycarbonate-based polyurethane nanostructured materials. The influence of the composition on thermal stability and degradation. <i>Composites Part B: Engineering</i> , 2014, 58, 496-501.	5.9	23
11	Interactions of Schiff base compounds and their coordination complexes with the drug cisplatin. <i>New Journal of Chemistry</i> , 2018, 42, 5834-5843.	1.4	22
12	Transition metal complexes with thiosemicarbazide-based ligands. Part 56. Square-pyramidal complexes of copper(II) with 2-acetylpyridine S-methylisothiosemicarbazone. <i>Polyhedron</i> , 2009, 28, 3570-3576.	1.0	19
13	Synthesis of TiO ₂ nanofibers by electrospinning using water-soluble Ti-precursor. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 139, 57-66.	2.0	18
14	Reactions of divalent transition metal halides with 3,5-dimethyl-1-(hydroxymethyl)-pyrazole. <i>Journal of Thermal Analysis and Calorimetry</i> , 2007, 89, 267-275.	2.0	17
15	Thermal properties and morphology of cassava starch grafted with different content of polystyrene. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010, 102, 1035-1041.	2.0	16
16	Transition metal complexes with Girard reagent-based ligands. Part V. Synthesis, characterization and crystal structure of pentagonal-bipyramidal manganese(II) complex with 2,6-diacetylpyridine bis(Girard-T hydrazone). <i>Inorganic Chemistry Communication</i> , 2010, 13, 1085-1088.	1.8	16
17	Pyrazole-type complexes with Ni(II) and Cu(II). <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 127, 1501-1509.	2.0	16
18	Vibrational spectroscopic and theoretical study of 3,5-dimethyl-1-thiocarboxamide pyrazole (L) and the complexes CoL_2Cl_4 , CuL_2Cl_4 and CuL_2Br_2 . <i>Chemical Physics</i> , 2006, 328, 85-92.	0.9	15

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19	Cobalt(II) complexes with disubstituted 3-aminopyrazole derivative: Mononuclear Co(II) complex with in situ prepared formamidine ligand. <i>Journal of Organometallic Chemistry</i> , 2008, 693, 77-86.	0.8	14
20	Investigation of 1,2,3-trialkylimidazolium ionic liquids: experiment and density functional theory calculations. <i>New Journal of Chemistry</i> , 2017, 41, 650-660.	1.4	12
21	Preparation of rubber seed shell powder by planetary ball milling and its influence on the properties of starch foam. <i>Industrial Crops and Products</i> , 2019, 135, 130-137.	2.5	12
22	Synthesis under self-controlled reaction conditions: Reaction of tetraamminezinc(II) chloride with 3,5-dimethyl-1-thiocarboxamide pyrazole. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 2582-2592.	0.8	11
23	Thermal decomposition of new ruthenium(II) complexes containing N-alkylphenothiazines. <i>Journal of Thermal Analysis and Calorimetry</i> , 2011, 105, 27-32.	2.0	11
24	Structural and thermal characterization of Fe(III) and Fe(II) complexes with tridentate ONO pyridoxal semicarbazone. <i>Journal of Thermal Analysis and Calorimetry</i> , 2007, 90, 549-555.	2.0	10
25	Preparation of native cassava starch and cross-linked starch blended foams. <i>Starch/Staerke</i> , 2014, 66, 818-823.	1.1	10
26	Crystal structure, thermal behavior, and microbiological activity of a thiosemicarbazide-type ligand and its cobalt complexes. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 116, 655-662.	2.0	10
27	Transition metal complexes with pyrazole based ligands. <i>Journal of Thermal Analysis and Calorimetry</i> , 2007, 90, 899-902.	2.0	9
28	Determination of natural rubber/poly(methyl methacrylate) blend composition by TG/DSC technique. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 119, 1131-1137.	2.0	9
29	Synthesis, spectroscopic and thermal characterization of new metal-containing isocyanate-based polymers. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 132, 215-224.	2.0	9
30	Synthesis, Structural, DFT, and Cytotoxicity Studies of Cu(I) and Ni(II) Complexes with 3-Aminopyrazole Derivatives. <i>Australian Journal of Chemistry</i> , 2010, 63, 1557.	0.5	8
31	Synthesis, characterization and thermal behavior of copper(II) complexes with pyridoxal thiosemi (PLTSC)- and S-methylisothiosemicarbazone (PLITSC). <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 123, 2069-2079.	2.0	8
32	FT-IR and theoretical study of 3,5-dimethyl-1H-pyrazole-1-carboxamidine (L) and the complexes CoL ₂ (H ₂ O) ₂ (NO ₃) ₂ , NiL ₂ (H ₂ O) ₂ (NO ₃) ₂ . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 71, 1466-1473.	2.0	6
33	Synthesis, cytotoxic activity, and thermal studies of novel N-[(1,3-diphenylpyrazol-4-yl)methyl] L-amino acids. <i>Journal of Heterocyclic Chemistry</i> , 2010, 47, 850-856.	1.4	6
34	Correlations between the in vitro antiproliferative activity, structure and thermal stability of some macrocyclic dinuclear Cu(II) complexes. <i>Journal of the Serbian Chemical Society</i> , 2014, 79, 1235-1247.	0.4	6
35	Binuclear Co(II) complexes with macrocycle and carboxylato ligands: structure, cytotoxicity and thermal behavior. <i>Journal of Molecular Structure</i> , 2021, 1236, 130133.	1.8	6
36	Synthesis, structure and thermokinetic studies on perchlorate salts of metal complexes containing a formamidine-type ligand. <i>Journal of Coordination Chemistry</i> , 2013, 66, 453-463.	0.8	5

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37	Synthesis, physicochemical, and thermal characterization of coordination compounds of Cu(II) with a pyrazole-type ligand. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 142, 451-460.	2.0	5
38	Di-1/4-chloro-bis{chloro[3,5-dimethyl-1-(thiocarbamoyl)pyrazole-1,2N2,S]cadmium(II)}. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005, 61, m641-m643.	0.2	4
39	Thermal decomposition of new chlorido(p-cymene) ruthenium(II) complexes containing N-alkylphenothiazines. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 111, 1927-1932.	2.0	4
40	Cation- and/or anion-directed reaction routes. Could the desolvation pattern of isostructural coordination compounds be related to their molecular structure?. <i>Structural Chemistry</i> , 2013, 24, 2193-2201.	1.0	4
41	Copper(II) Complexes with Reduced Schiff Base: Synthesis, Spectroscopic, Thermal, X-Ray, and Cytotoxic Studies of Novel Copper(II) Complexes with an Arylpyrazole Ligand. <i>Australian Journal of Chemistry</i> , 2007, 60, 615.	0.5	3
42	Advantages and limits on usage of thermal methods in complex systems. <i>Journal of Thermal Analysis and Calorimetry</i> , 2007, 89, 829-833.	2.0	3
43	Anion-/cation-directed reaction routes to polymorphic forms of a pyrazole-type ligand and its coordination compounds with zinc. Key structural differences between polymorphs. <i>Structural Chemistry</i> , 2016, 27, 1121-1133.	1.0	3
44	Transition metal complexes with pyrazole-based ligands. XIX. Diaquabis(3,5-dimethyl-1H-pyrazole-1-carboxamidine-1,2N,Nâ€²)metal(II) dinitrate, with metal = Co and Ni. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2004, 60, m467-m470.	0.4	2
45	1-(Hydroxymethyl)-3,5-dimethylpyrazole. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005, 61, o625-o626.	0.2	2
46	Synthesis and characterization of diazine-ring containing hydrazones and their Zn(II) complexes. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 133, 443-452.	2.0	2
47			