Antonios Hatzidimitriou

List of Publications by Year
in descending order

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43	647	567281	610901
papers	citations	15 h-index	24 g-index

44	44	44	758
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Silver(<scp>i</scp>) complexes bearing heterocyclic thioamide ligands with NH₂ and CF₃ substituents: effect of ligand group substitution on antibacterial and anticancer properties. Dalton Transactions, 2022, 51, 9412-9431.	3.3	6
2	Chromium Flavonoid Complexation in an Antioxidant Capacity Role. International Journal of Molecular Sciences, 2022, 23, 7171.	4.1	7
3	Structurally characterized copper-chrysin complexes display genotoxic and cytotoxic activity in human cells. Inorganica Chimica Acta, 2021, 515, 120062.	2.4	17
4	Synthesis and Structural Characterization of (E)-4-[(2-Hydroxy-3-methoxybenzylidene)amino]butanoic Acid and Its Novel Cu(II) Complex. MolBank, 2021, 2021, M1179.	0.5	3
5	The aqueous structural speciation of binary thallium-hydroxycarboxylic acid systems. Structure-chemical (bio)reactivity correlations. Journal of Inorganic Biochemistry, 2021, 222, 111469.	3.5	1
6	Temperatureâ€Sensitive Structural Speciation of Cobaltâ€Iminodialcoholâ€(N,N'â€Aromatic Chelator) Systems: Lattice Architecture and Spectrochemical Properties. European Journal of Inorganic Chemistry, 2020, 2020, 2919-2940.	2.0	1
7	Alkaline earth-organic frameworks with amino derivatives of 2,6-naphthalene dicarboxylates: structural studies and fluorescence properties. Dalton Transactions, 2020, 49, 16736-16744.	3.3	3
8	Effect of the triphenylphosphonium cation on the biological properties of new rhenium and technetium-99m fac-[M(CO)3(NSN)]Â±-type complexes: Synthesis, structural characterization, in vitro and in vivo studies. Inorganica Chimica Acta, 2020, 511, 119807.	2.4	1
9	Structurally characterized galliumâ€“chrysin complexes with anticancer potential. Dalton Transactions, 2020, 49, 2734-2746.	3.3	30
10	Piperazine core-containing Schiff ligands define chemical reactivity toward divalent metal ions. Inorganica Chimica Acta, 2019, 492, 249-261.	2.4	4
11	Binary-ternary Cd(II)-(hydroxycarboxylic acid)-(aromatic chelator) systems exhibit in vitro cytotoxic selectivity in a tissue-specific manner. Journal of Inorganic Biochemistry, 2019, 195, 201-215.	3.5	2
12	V(<scp>v</scp>)-Schiff base species induce adipogenesis through structure-specific influence of genetic targets. New Journal of Chemistry, 2019, 43, 17872-17890.	2.8	7
13	In-depth synthetic, physicochemical and in vitro biological investigation of a new ternary V(IV) antioxidant material based on curcumin. Journal of Inorganic Biochemistry, 2019, 191, 94-111.	3.5	14
14	Synthesis, characterization and biological evaluation of Pd(ii), Cu(ii), Re(i) and 99mTc(i) thiazole-based complexes. MedChemComm, 2018, 9, 831-842.	3.4	6
15	Enhanced sorption capacities for lead and uranium using titanium phosphates; sorption, kinetics, equilibrium studies and mechanism implication. Chemical Engineering Journal, 2018, 342, 184-195.	12.7	80
16	A Systematic Synthetic Study of the Aqueous Chemistry of Binary Boron-Hydroxycarboxylic Acid Systems: Boron Structural Speciation Correlation to the Biotoxicity Profile. European Journal of Inorganic Chemistry, 2018, 2018, 1284-1301.	2.0	1
17	Synthetic exploration of the binary cadmium-quinic acid system linked to in vitro cytotoxicity and chelation cytoprotection investigation. Inorganica Chimica Acta, 2018, 482, 364-374.	2.4	3
18	Synthesis, structural, thermal characterization and interaction with calf-thymus DNA and albumins of cationic Ni(II) complexes with 2,2â€²-dipyridylamine and salicylaldehydes. Polyhedron, 2017, 124, 104-116.	2.2	15

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19	Synthetic investigation, physicochemical characterization and antibacterial evaluation of ternary Bi(III) systems with hydroxycarboxylic acid and aromatic chelator substrates. Journal of Inorganic Biochemistry, 2017, 170, 98-108.	3.5	4
20	In vitro structure-specific Zn(II)-induced adipogenesis and structure-function bioreactivity correlations. Journal of Inorganic Biochemistry, 2017, 177, 228-246.	3.5	7
21	Synthesis and analysis of the anticancer activity of Ru(<scp>ii</scp>) complexes incorporating 2-hydroxymethylidene-indene-1,3-dione ligands. New Journal of Chemistry, 2017, 41, 10438-10446.	2.8	4
22	Synthetic endeavors on cadmium species bearing glycolate and aromatic chelators with structure-specific biotoxic correlations in vitro. Journal of Inorganic Biochemistry, 2017, 176, 38-52.	3.5	6
23	Systematic pH-specific synthesis and structure transformations in binary-ternary In(III) assemblies with hydroxycarboxylic DPOT and aliphatic-aromatic chelators. Inorganica Chimica Acta, 2016, 453, 667-680.	2.4	3
24	Oxidized cobalt complexes of salicylaldehydes. Journal of Thermal Analysis and Calorimetry, 2016, 126, 1579-1590.	3.6	1
25	Thermoanalytical, magnetic and structural investigation of neutral Co(II) complexes with 2,2â€²-dipyridylamine and salicylaldehydes. Journal of Thermal Analysis and Calorimetry, 2016, 123, 717-729.	3.6	37
26	pH-Specific Halide-Dependent Materials from ZrIV/Hydroxycarboxylic Acid/Aromatic Chelator Reactivity: Architecture-Lattice Dimensionality and Spectroscopic Fingerprint Relations. European Journal of Inorganic Chemistry, 2015, 2015, 664-679.	2.0	3
27	Copper(<scp>ii</scp>) complexes of salicylaldehydes and 2-hydroxyphenones: synthesis, structure, thermal decomposition study and interaction with calf-thymus DNA and albumins. RSC Advances, 2015, 5, 37495-37511.	3.6	41
28	Neutral mononuclear luminescent Pd(II) complexes with heterocyclic thiolate ligands and chelating phosphines. Structural and photophysical assignments. Polyhedron, 2015, 94, 67-74.	2.2	6
29	Design, synthesis and characterization of novel binary V(V)-Schiff base materials linked with insulin-mimetic vanadium-induced differentiation of 3T3-L1 fibroblasts to adipocytes. Structureâ€“function correlations at the molecular level. Journal of Inorganic Biochemistry, 2015, 147, 99-115.	3.5	22
30	The structural and electronic impact on the photophysical and biological properties of a series of Cu^I and Ag^I complexes with triphenylphosphine and pyrimidine-type thiones. New Journal of Chemistry, 2015, 39, 4830-4844.	2.8	35
31	Structure-specific adipogenic capacity of novel, well-defined ternary Zn(II)-Schiff base materials. Biomolecular correlations in zinc-induced differentiation of 3T3-L1 pre-adipocytes to adipocytes. Journal of Inorganic Biochemistry, 2015, 152, 123-137.	3.5	19
32	Schiff base coordination flexibility toward binary cobalt and ternary zinc complex assemblies. The case of the hexadentate ligand N,Nâ€²-bis[(2-hydroxybenzilideneamino)-propyl]-piperazine. Polyhedron, 2015, 85, 48-59.	2.2	19
33	Structure Lattice-Dimensionality and Spectroscopic Property Correlations in Novel Binary and Ternary Materials of Group 13 Elements with Î±-Hydroxycarboxylic Benzilic Acid and Phenanthroline. Crystal Growth and Design, 2014, 14, 4041-4059.	3.0	16
34	Investigation of the characteristics and corrosion resistance of Al2O3/TiN coatings. Applied Surface Science, 2006, 252, 8043-8049.	6.1	32
35	TiN/Cr/Al2O3 and TiN/Al2O3 hybrid coatings structure features and properties resulting from combined treatment. Surface and Coatings Technology, 2006, 201, 2621-2632.	4.8	42
36	Synthesis and crystal structure of di(2-aminopyrimidinium) trichlorodimethyl(2-aminopyrimidine)stannate(IV) chloride (H-2APY)2[SnMe2Cl3(2APY)]Cl. Crystallography Reports, 2006, 51, S76-S78.	0.6	1

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37	Preparation, characterization, and corrosion behavior of protective coatings on stainless steel samples deposited by plasma detonation techniques. Surface and Coatings Technology, 2004, 180-181, 290-296.	4.8	38
38	Investigation of artificially produced and natural copper patina layers. Journal of Materials Chemistry, 2003, 13, 114-120.	6.7	11
39	Copper(II)-loaded HEU-type zeolite crystals: characterization and evidence of surface complexation with N,N-diethyldithiocarbamate anions. Microporous and Mesoporous Materials, 1999, 33, 77-87.	4.4	18
40	The effect of chelate rings on the structure of copper(II) compounds with triamine derivatives. The crystal structure of [Cu(dptSS)Cl2]. Polyhedron, 1998, 17, 1779-1785.	2.2	16
41	Photoinduced Electron Transfer in Pentaammineruthenium(II) Complexes of 1-(4-Cyanophenyl)imidazole. Inorganic Chemistry, 1996, 35, 2212-2219.	4.0	44
42	The preparation, characterization and corrosion behaviour of ion-implanted and ceramic-coated AISI 321 steel samples. Corrosion Science, 1996, 38, 2235-2246.	6.6	8
43	The effect of Zr-implantation on the thermal oxidation and aqueous corrosion of AISI 321 stainless steel. Nuclear Instruments & Methods in Physics Research B, 1995, 95, 197-207.	1.4	13