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	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
2	Photoinduced Electron Transfer in Pentaammineruthenium(II) Complexes of 1-(4-Cyanophenyl)imidazole. Inorganic Chemistry, 1996, 35, 2212-2219.	4.0	44
3	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
4	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
5	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
6	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
7	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
8	Investigation of the characteristics and corrosion resistance of Al2O3/TiN coatings. Applied Surface Science, 2006, 252, 8043-8049.	6.1	32
9	Structurally characterized galliumâ€“chrysin complexes with anticancer potential. Dalton Transactions, 2020, 49, 2734-2746.	3.3	30
10	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
11	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
12	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
13	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
14	Structurally characterized copper-chrysin complexes display genotoxic and cytotoxic activity in human cells. Inorganica Chimica Acta, 2021, 515, 120062.	2.4	17
15	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
16	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
17	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
18	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

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19	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
20	Investigation of artificially produced and natural copper patina layers. Journal of Materials Chemistry, 2003, 13, 114-120.	6.7	11
21	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
22	In vitro structure-specific Zn(II)-induced adipogenesis and structure-function bioreactivity correlations. Journal of Inorganic Biochemistry, 2017, 177, 228-246.	3.5	7
23	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
24	Chromium Flavonoid Complexation in an Antioxidant Capacity Role. International Journal of Molecular Sciences, 2022, 23, 7171.	4.1	7
25	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
26	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
27	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
28	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
29	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
30	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
31	Piperazine core-containing Schiff ligands define chemical reactivity toward divalent metal ions. Inorganica Chimica Acta, 2019, 492, 249-261.	2.4	4
32	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
33	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
34	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
35	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
36	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

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37	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
38	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
39	Oxidized cobalt complexes of salicylaldehydes. Journal of Thermal Analysis and Calorimetry, 2016, 126, 1579-1590.	3.6	1
40	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
41	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
42	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
43	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