Valerio Di Marco

List of Publications by Year
in descending order

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76	1,574	393982	329751
papers	citations	19 h-index	37 g-index

78	78	78	2245
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Emerging investigator series: aqueous-phase processing of atmospheric aerosol influences dissolution kinetics of metal ions in an urban background site in the Po Valley. Environmental Sciences: Processes and Impacts, 2022, 24, 884-897.	1.7	3
2	When ring makes the difference: coordination properties of Cu²⁺/Cu⁺ complexes with sulfur-pendant polyazamacrocycles for radiopharmaceutical applications. New Journal of Chemistry, 2022, 46, 10012-10025.	1.4	9
3	Revisiting Lead(II)-1,4,7,10-tetraazacyclododecane-1,4,7,10-tetraacetic Acid Coordination Chemistry in Aqueous Solutions: Evidence of an Underestimated Thermodynamic Stability. ACS Omega, 2022, 7, 15596-15602.	1.6	6
4	Bismuth chelation for targeted alpha therapy: Current state of the art. Nuclear Medicine and Biology, 2022, 114-115, 168-188.	0.3	8
5	Chelation of Theranostic Copper Radioisotopes with S-Rich Macrocycles: From Radiolabelling of Copper-64 to In Vivo Investigation. Molecules, 2022, 27, 4158.	1.7	5
6	New insights in the slow ligand exchange reaction between Cr(III)-EDTA and Fe(III), and direct analysis of free and complexed EDTA in tannery wastewaters by liquid chromatography - Tandem mass spectrometry. Chemosphere, 2021, 264, 128487.	4.2	15
7	Crystal structures of zinc(II) complexes with Î²-hydroxypyridinecarboxylate ligands: examples of structure-directing effects used in inorganic crystal engineering. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2021, 77, 193-204.	0.5	2
8	Use of a simple empirical model for the accurate conversion of the seawater pH value measured with NIST calibration into seawater pH scales. Talanta, 2021, 225, 122051.	2.9	2
9	Copper Coordination Chemistry of Sulfur Pendant Cyclen Derivatives: An Attempt to Hinder the Reductive-Induced Demetalation in ^{64/67}Cu Radiopharmaceuticals. Inorganic Chemistry, 2021, 60, 11530-11547.	1.9	22
10	Development of implantation substrates for the collection of radionuclides of medical interest produced via ISOL technique at INFN-LNL. Applied Radiation and Isotopes, 2021, 175, 109795.	0.7	5
11	Formation of metal-organic ligand complexes affects solubility of metals in airborne particles at an urban site in the Po valley. Chemosphere, 2020, 241, 125025.	4.2	26
12	Preliminary evaluation of the production of non-carrier added 111Ag as core of a therapeutic radiopharmaceutical in the framework of ISOLPHARM_Ag experiment. Applied Radiation and Isotopes, 2020, 164, 109258.	0.7	10
13	Highly Stable Silver(I) Complexes with Cyclen-Based Ligands Bearing Sulfide Arms: A Step Toward Silver-111 Labeled Radiopharmaceuticals. Inorganic Chemistry, 2020, 59, 10907-10919.	1.9	17
14	Tryptophan Catabolism and Response to Therapy in Locally Advanced Rectal Cancer (LARC) Patients. Frontiers in Oncology, 2020, 10, 583228.	1.3	6
15	Chemical purification of 111Ag from isobaric impurity 111Cd by solid phase extraction chromatography: a proof of concept study. Applied Radiation and Isotopes, 2020, 164, 109263.	0.7	3
16	New homoleptic gold carbene complexes via Agâ€“Au transmetalation: synthesis and application of [Au(diNHC)2]3+ cations as 1H-NMR and UV-vis halide sensors. New Journal of Chemistry, 2020, 44, 5343-5353.	1.4	3
17	Toward novel sulphur-containing derivatives of tetraazacyclododecane: synthesis, acidâ€“base properties, spectroscopic characterization, DFT calculations, and cadmium(<scp>ii</scp>) complex formation in aqueous solution. New Journal of Chemistry, 2020, 44, 8337-8350.	1.4	11
18	Metal Ion Release from Fine Particulate Matter Sampled in the Po Valley to an Aqueous Solution Mimicking Fog Water: Kinetics and Solubility. Aerosol and Air Quality Research, 2020, 20, 720-729.	0.9	5

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19	The ISOLPHARM project: ISOL-based production of radionuclides for medical applications. Journal of Radioanalytical and Nuclear Chemistry, 2019, 322, 73-77.	0.7	18
20	Metal Chelation Therapy and Parkinsonâ€™s Disease: A Critical Review on the Thermodynamics of Complex Formation between Relevant Metal Ions and Promising or Established Drugs. Biomolecules, 2019, 9, 269.	1.8	47
21	pH-static titrations for kinetic studies of metal-ligand complex formation: The case example of the reaction between Strontium(II) and DOTA. Inorganica Chimica Acta, 2019, 498, 119147.	1.2	3
22	Relationship between solid state structure and solution stability of copper(<scp>ii</scp>)â€“hydroxypyridinecarboxylate complexes. New Journal of Chemistry, 2019, 43, 10699-10710.	1.4	4
23	Maternal, placental and cordonal metallomic profiles in gestational diabetes mellitus. Metallomics, 2019, 11, 676-685.	1.0	14
24	Atmospheric Solids Analysis Probe with Mass Spectrometry for Chlorpyrifos and Chlorpyrifos-Oxon Determination in Apples. Acta Chimica Slovenica, 2019, 66, 70-77.	0.2	0
25	4-Hydroxy-3,5-pyridinedicarboxylic Acids: Synthesis, Complexation Properties Towards Fe(III), Al(III), Cu(II), Zn(II), Human Serum Albumin, and Cellular Toxicity. Journal of Solution Chemistry, 2018, 47, 92-106.	0.6	2
26	A square planar gold(iii) bis-(1,1â€²-dimethyl-3,3â€²-methylene-diimidazol-2,2â€²-diylidene) trication as an efficient and selective receptor towards halogen anions: the cooperative effect of Auâ‹¯X and Xâ‹¯HC interactions. Dalton Transactions, 2018, 47, 935-945.	1.6	12
27	Early Evaluation of Copper Radioisotope Production at ISOLPHARM. Molecules, 2018, 23, 2437.	1.7	16
28	Chelating and antioxidant properties of l-Dopa containing tetrapeptide for the treatment of neurodegenerative diseases. Neuropeptides, 2018, 71, 11-20.	0.9	9
29	Spectrophotometric methods for the measurement of soil pH: A reappraisal. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 204, 113-118.	2.0	8
30	Fieldâ€assisted paper spray mass spectrometry for therapeutic drug monitoring: 1. the case of imatinib in plasma. Journal of Mass Spectrometry, 2017, 52, 283-289.	0.7	4
31	Formation of volatile iodine compounds under hot concentrated acid conditions (nitric acid or aqua) Tj ETQq1 1 0.784314 rgBT /Over	1.0	7
32	Ion Pair Formation between Tertiary Aliphatic Amines and Perchlorate in the Biphasic Water/Dichloromethane System. Journal of Physical Chemistry B, 2017, 121, 9403-9410.	1.2	1
33	Altered plasma levels of decanoic acid in colorectal cancer as a new diagnostic biomarker. Analytical and Bioanalytical Chemistry, 2016, 408, 6321-6328.	1.9	37
34	A procedure for the quantification of total iodine by inductively coupled plasma mass spectrometry, and its application to the determination of iodine in algae sampled in the lagoon of Venice. Analytical Methods, 2016, 8, 7545-7551.	1.3	10
35	Metals in Undaria pinnatifida (Harvey) Suringar and Sargassum muticum (Yendo) Fensholt edible seaweeds growing around Venice (Italy). Journal of Applied Phycology, 2016, 28, 2605-2613.	1.5	11
36	Cyclic Voltammetry as a New Approach for the Determination of Solubility of Aliphatic Amines in Water. Journal of Chemical & Engineering Data, 2015, 60, 895-901.	1.0	4

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37	The metallome of the human placenta in gestational diabetes mellitus. Metallomics, 2015, 7, 1146-1154.	1.0	29
38	Degradation by-products of ancient paper leaves from wash waters. Analytical Methods, 2015, 7, 8197-8205.	1.3	10
39	Evaluation of 1,2-dimethyl-3-hydroxy-4-pyridinecarboxylic acid and of other 3-hydroxy-4-pyridinecarboxylic acid derivatives for possible application in iron and aluminium chelation therapy. Polyhedron, 2014, 67, 520-528.	1.0	7
40	Hydroxypyridinecarboxylic acid derivatives influencing metal ion levels in the brain: Equilibrium complexation studies with Cu(II) and Zn(II). Polyhedron, 2014, 67, 481-489.	1.0	4
41	Ultratrace determination of total and available cyanides in industrial wastewaters through a rapid headspace-based sample preparation and gas chromatography with nitrogen phosphorous detection analysis. Journal of Chromatography A, 2013, 1300, 209-216.	1.8	11
42	A Glutathione Derivative with Chelating and in vitro Neuroprotective Activities: Synthesis, Physicochemical Properties, and Biological Evaluation. ChemMedChem, 2013, 8, 1818-1829.	1.6	32
43	Peroxisome proliferator-activated receptor-Î³ mediates the anti-inflammatory effect of 3-hydroxy-4-pyridinecarboxylic acid derivatives: Synthesis and biological evaluation. European Journal of Medicinal Chemistry, 2013, 62, 486-497.	2.6	27
44	Different approaches to the study of chelating agents for iron and aluminium overload pathologies. Analytical and Bioanalytical Chemistry, 2013, 405, 585-601.	1.9	29
45	Reduction in absorption of gallium maltolate in adult horses following oral administration with food: chemistry and pharmacokinetics. Journal of Veterinary Pharmacology and Therapeutics, 2013, 36, 456-461.	0.6	6
46	Possible Chelating Agents for Iron and Aluminium â€“ 4â€Hydroxyâ€5â€methylâ€and 4â€Hydroxyâ€1,5â€dimethylâ€3â€pyridinecarboxylic Acid. European Journal of Inorganic Chemistry, 2013, 2013, 1310-1319.	1.0	8
47	Mass Spectrometic Study of Speciation in Aluminiumâ€"Fluoroquinolone Solutions. European Journal of Mass Spectrometry, 2012, 18, 313-322.	0.5	9
48	Interactions of pyridinecarboxylic acid chelators with brain metal ions: Cu(II), Zn(II), and Al(III). , 2012, , 199-210.		0
49	Interactions of pyridinecarboxylic acid chelators with brain metal ions: Cu(II), Zn(II), and Al(III). Monatshefte FÃ¼r Chemie, 2011, 142, 399-410.	0.9	7
50	Evaluation of 4-hydroxy-6-methyl-3-pyridinecarboxylic acid and 2,6-dimethyl-4-hydroxy-3-pyridinecarboxylic acid as chelating agents for iron and aluminium. Inorganica Chimica Acta, 2011, 373, 179-186.	1.2	10
51	Perturbations produced by electrospray ionization mass spectrometry in the speciation of aluminium(III)/1,6-dimethyl-4-hydroxy-3-pyridinecarboxylate aqueous solutions. Rapid Communications in Mass Spectrometry, 2010, 24, 868-874.	0.7	19
52	Thermodynamic Properties of Copper Complexes Used as Catalysts in Atom Transfer Radical Polymerization. Macromolecules, 2010, 43, 9257-9267.	2.2	130
53	Vanadate complexes in serum: a speciation modeling study. Dalton Transactions, 2010, 39, 212-220.	1.6	33
54	Metalâ€"ligand solution equilibria studied by electrospray ionization mass spectrometry: effect of instrumental parameters. Journal of Mass Spectrometry, 2009, 44, 120-127.	0.7	19

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55	Complexation of 2,6-pyridinedicarboxylic and 2,6-pyridinediacetic acids towards aluminium(III) and iron(III). Polyhedron, 2009, 28, 327-335.	1.0	19
56	1,6-Dimethyl-4-hydroxy-3-pyridinecarboxylic acid and 4-hydroxy-2-methyl-3-pyridinecarboxylic acid as new possible chelating agents for iron and aluminium. Dalton Transactions, 2009, , 1815.	1.6	20
57	Use of electrochemical transient techniques to obtain thermodynamic and kinetic data on aqueous Fe(III)â€"1,6-dimethyl-4-hydroxy-3-pyridinecarboxylate and Fe(III)â€"4-hydroxy-2-methyl-3-pyridinecarboxylate complexes. Dalton Transactions, 2009, , 2415.	1.6	4
58	Complexes of Al(III) with d-gluconic acid. Polyhedron, 2008, 27, 118-124.	1.0	25
59	Evaluation of 2-methyl-3-hydroxy-4-pyridinecarboxylic acid as a possible chelating agent for iron and aluminium. Dalton Transactions, 2008, , 1689.	1.6	22
60	Potentiometric and NMR studies on Cd2+ coordination with the histidine-containing Ac184â€"188NH2 prion protein fragment. Inorganica Chimica Acta, 2007, 360, 4051-4057.	1.2	7
61	Electrochemical characterization of 8-hydroxyquinoline-5-sulphonate/aluminium(III) aqueous solutions. Electrochimica Acta, 2007, 52, 7920-7926.	2.6	7
62	Evaluation of 1-methyl-3,4-hydroxypyridinecarboxylic acids as possible bidentate chelating agents for iron(III): Metalâ€"ligand solution chemistry. Polyhedron, 2007, 26, 3227-3232.	1.0	8
63	2-Hydroxy-3-carboxy-dihydrocinnamic acid: Complexation properties towards aluminium(III) and iron(III). Polyhedron, 2007, 26, 3419-3427.	1.0	9
64	Metal-ligand solution equilibria studied by electrospray ionization mass spectrometry: correlation between ion intensity and acid-base equilibria in solution. Rapid Communications in Mass Spectrometry, 2007, 21, 3825-3832.	0.7	16
65	Surface-activated chemical ionization versus electrospray ionization in the study of selected aluminium(III)/ligand solution equilibria. Rapid Communications in Mass Spectrometry, 2006, 20, 710-712.	0.7	8
66	Synthesis of 1,4-dihydro-2-methyl-4-oxo-nicotinic acid: Ochiai's route failed. Tetrahedron, 2006, 62, 6222-6227.	1.0	10
67	Methyl-Hydroxypyridinecarboxylic Acids as Possible Bidentate Chelating Agents for Aluminium(III): Synthesis and Metalâ€"Ligand Solution Chemistry. European Journal of Inorganic Chemistry, 2006, 2006, 1284-1293.	1.0	24
68	Electrospray mass spectrometry (ESI-MS) in the study of metalâ€"ligand solution equilibria. Mass Spectrometry Reviews, 2006, 25, 347-379.	2.8	321
69	Complexation Properties of Ethylenediaminetetramethylenephosphonic Acid (EDTMP) with AlIII and VIVO. European Journal of Inorganic Chemistry, 2004, 2004, 2524-2532.	1.0	18
70	Complexation of 3,4-hydroxypyridinecarboxylic acids with Iron(III). Inorganica Chimica Acta, 2004, 357, 3753-3758.	1.2	10
71	Complexation of 2-hydroxynicotinic and 3-hydroxypicolinic acids with zinc(II). Solution state study and crystal structure of trans-diaqua-bis-(3-hydroxypicolinato)zinc(II). Inorganica Chimica Acta, 2004, 357, 135-142.	1.2	33
72	Electrospray ionization mass spectrometry in studies of aluminium(III)-ligand solution equilibria. Rapid Communications in Mass Spectrometry, 2003, 17, 2039-2046.	0.7	35

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73	Chemical characterisation, plant remain analysis and radiocarbon dating of the Venetian "Manna di San Nicola". Annali Di Chimica, 2002, 92, 327-32.	0.6	0
74	Mathematical functions for the representation of chromatographic peaks. Journal of Chromatography A, 2001, 931, 1-30.	1.8	198
75	Complex formation between aluminium(III) and 2-hydroxy nicotinic acid: an electrospray mass spectrometric investigation. , 1999, 13, 1878-1881.		9
76	Complexation of aluminium(III) with 3-hydroxy-2(1Hâ€Š)-pyridinone. Solution state study and crystal structure of tris(3-hydroxy-2(1Hâ€Š)-pyridinonato)aluminium(III). Journal of the Chemical Society Dalton Transactions, 1999, , 2427-2432.	1.1	16