

Alessandro Dess

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72
papers

1,438
citations

24
h-index

35
g-index

74
ext. papers

1,590
ext. citations

3.9
avg, IF

4.09
L-index

#	Paper	IF	Citations
72	Design and synthesis of novel indole beta-diketo acid derivatives as HIV-1 integrase inhibitors. <i>Journal of Medicinal Chemistry</i> , 2004 , 47, 5298-310	8.3	112
71	EPR and potentiometric reinvestigation of copper(II) complexation with simple oligopeptides and related compounds. <i>Journal of Inorganic Biochemistry</i> , 1996 , 63, 99-117	4.2	82
70	Copper(II) complexation by D-glucosamine. Spectroscopic and potentiometric studies. <i>Inorganica Chimica Acta</i> , 1985 , 107, 45-48	2.7	63
69	Copper(II), nickel(II), zinc(II), and molybdenum(VI) complexes of desferrioxamine B in aqueous solution. <i>Journal of Inorganic Biochemistry</i> , 1997 , 65, 281-286	4.2	60
68	Mutational analysis of the binding pockets of the diketo acid inhibitor L-742,001 in the influenza virus PA endonuclease. <i>Journal of Virology</i> , 2013 , 87, 10524-38	6.6	56
67	Formation and structure of the tris(catecholato)vanadate(IV) complex in aqueous solution. <i>Inorganic Chemistry</i> , 1990 , 29, 1586-1589	5.1	54
66	Chromium adsorption by plant roots and formation of long-lived Cr(V) species: An ecological hazard?. <i>Journal of Inorganic Biochemistry</i> , 1988 , 34, 157-166	4.2	53
65	Design of novel bioisosteres of beta-diketo acid inhibitors of HIV-1 integrase. <i>Antiviral Chemistry and Chemotherapy</i> , 2005 , 16, 41-61	3.5	52
64	Natural and natural-like phenolic inhibitors of type B trichothecene in vitro production by the wheat (<i>Triticum</i> sp.) pathogen <i>Fusarium culmorum</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2014 , 62, 4969-78	5.7	41
63	Reduction of chromium(VI) by D-galacturonic acid and formation of stable chromium(V) intermediates. <i>Inorganica Chimica Acta</i> , 1988 , 153, 61-65	2.7	39
62	Oxovanadium(IV) complex formation by simple sugars in aqueous solution. <i>Journal of Inorganic Biochemistry</i> , 1992 , 45, 169-77	4.2	35
61	Oxovanadium(IV) and copper(II) coordination by d-galacturonic and d-glucuronic acids. <i>Carbohydrate Research</i> , 1989 , 188, 25-34	2.9	34
60	In vitro interaction of mutagenic chromium (VI) with red blood cells. <i>FEBS Letters</i> , 1989 , 257, 52-4	3.8	33
59	Reduction of chromate ions by glutathione tripeptide in the presence of sugar ligands. <i>Journal of Inorganic Biochemistry</i> , 1990 , 39, 217-226	4.2	33
58	EPR investigation of the oxovanadium(IV) complexes formed by the tripeptide glutathione and some related ligands in aqueous solution. <i>Journal of Inorganic Biochemistry</i> , 1993 , 52, 275-86	4.2	32
57	The reduction of Fe(III) to Fe(II) and V(V) to V(IV) by polygalacturonic acid: A reduction and complexation mechanism of biochemical significance. <i>Inorganica Chimica Acta</i> , 1983 , 80, L53-L55	2.7	31
56	Insights into halogen bond-driven enantioseparations. <i>Journal of Chromatography A</i> , 2016 , 1467, 228-238	4.5	30

55	Design, synthesis, molecular modeling, and anti-HIV-1 integrase activity of a series of photoactivatable diketo acid-containing inhibitors as affinity probes. <i>Antiviral Research</i> , 2009 , 81, 267-76 ^{10.8}	28
54	Design and synthesis of bis-amide and hydrazide-containing derivatives of malonic acid as potential HIV-1 integrase inhibitors. <i>Molecules</i> , 2008 , 13, 2442-61	4.8 28
53	Noncovalent interactions in high-performance liquid chromatography enantioseparations on polysaccharide-based chiral selectors. <i>Journal of Chromatography A</i> , 2020 , 1623, 461202	4.5 27
52	Polysaccharide-based chiral stationary phases as halogen bond acceptors: A novel strategy for detection of stereoselective H-bonds in solution. <i>Journal of Separation Science</i> , 2018 , 41, 1247-1256	3.4 27
51	Design and synthesis of novel dihydroxyindole-2-carboxylic acids as HIV-1 integrase inhibitors. <i>Antiviral Chemistry and Chemotherapy</i> , 2004 , 15, 67-81	3.5 26
50	Virtual Screening and Biological Validation of Novel Influenza Virus PA Endonuclease Inhibitors. <i>ACS Medicinal Chemistry Letters</i> , 2015 , 6, 866-71	4.3 25
49	Potentiometric and spectroscopic studies on oxovanadium(IV) complexes of salicylic acid and catechol and some derivatives. <i>Journal of the Chemical Society Dalton Transactions</i> , 1990 , 2903-2907	24
48	Proton electron nuclear double resonance study of oxovanadium(IV) complexes of D-galacturonic and polygalacturonic acids. <i>Journal of the Chemical Society Dalton Transactions</i> , 1989 , 1283	22
47	Halogen bond in high-performance liquid chromatography enantioseparations: Description, features and modelling. <i>Journal of Chromatography A</i> , 2018 , 1563, 71-81	4.5 22
46	Structural information on chromium(V) complexes of 1,2-diols in solution, as determined by isotropic and anisotropic proton ENDOR spectroscopy. <i>Inorganic Chemistry</i> , 1992 , 31, 2404-2408	5.1 21
45	Oxovanadium(IV) complexes of mercaptocarboxylic acids. <i>Journal of the Chemical Society Dalton Transactions</i> , 1993 , 1849-1855	20
44	Vanadium(IV) and oxovanadium(IV) complexes of hydroxamic acids and related ligands. <i>Journal of Inorganic Biochemistry</i> , 1992 , 48, 279-287	4.2 20
43	Recent studies of docking and molecular dynamics simulation for liquid-phase enantioseparations. <i>Electrophoresis</i> , 2019 , 40, 1881-1896	3.6 19
42	Binding of Oxovanadium(IV) to Guanosine 5'Monophosphate. <i>Inorganic Chemistry</i> , 1996 , 35, 6349-6352	5.1 18
41	Formation of tris-chelated vanadium(IV) complexes by interaction of oxovanadium(IV) with catecholamines, 3-(3,4-dihydroxyphenyl)alanine and related ligands in aqueous solution. <i>Journal of the Chemical Society Dalton Transactions</i> , 1993 , 2057-2063	18
40	EPR and proton ENDOR study of the solution equilibria of bis(2-ethyl-2-hydroxybutanoato(2-))oxochromate(V) and bis(2-hydroxy-2-methylbutanoato(2-))oxochromate(V). <i>Inorganic Chemistry</i> , 1993 , 32, 578-581	5.1 17
39	Exploring Heteroaryl-pyrazole Carboxylic Acids as Human Carbonic Anhydrase XII Inhibitors. <i>ACS Medicinal Chemistry Letters</i> , 2017 , 8, 941-946	4.3 16
38	Natural Phenolic Inhibitors of Trichothecene Biosynthesis by the Wheat Fungal Pathogen <i>Fusarium culmorum</i> : A Computational Insight into the Structure-Activity Relationship. <i>PLoS ONE</i> , 2016 , 11, e0157316 ^{3.7}	16

37	Enantioseparation of fluorinated 3-arylthio-4,4Sbipyridines: Insights into chalcogen and π -hole bonds in high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2018 , 1567, 119-129	4.5	16
36	Stabilization of the open-chain structure of D-galacturonic acid in a dimeric complex with oxovanadium(IV). <i>Journal of the Chemical Society Dalton Transactions</i> , 1990 , 1997-1999		15
35	Oxidation of D-galacturonic acid by vanadium(V). <i>Inorganica Chimica Acta</i> , 1986 , 120, 49-51	2.7	15
34	Oxovanadium(IV) complexes of malic, succinic, and 2-mercaptosuccinic acids. <i>Journal of Inorganic Biochemistry</i> , 1988 , 33, 99-109	4.2	15
33	Coordination of oxovanadium(IV) to aminocarboxylic acids in aqueous solution. <i>Polyhedron</i> , 1994 , 13, 1763-1771	2.7	14
32	Halogen bond in separation science: A critical analysis across experimental and theoretical results. <i>Journal of Chromatography A</i> , 2020 , 1616, 460788	4.5	13
31	Comparative enantioseparation of chiral 4,4Sbipyridine derivatives on coated and immobilized amylose-based chiral stationary phases. <i>Journal of Chromatography A</i> , 2020 , 1625, 461303	4.5	11
30	Rational Design, Synthesis, Characterization and Evaluation of Iodinated 4,4SBipyridines as New Transthyretin Fibrillogenesis Inhibitors. <i>Molecules</i> , 2020 , 25,	4.8	8
29	Early combination treatment with existing HIV antivirals: an effective treatment for COVID-19?. <i>European Review for Medical and Pharmacological Sciences</i> , 2021 , 25, 2435-2448	2.9	8
28	Virtual screening-driven identification of human carbonic anhydrase inhibitors incorporating an original, new pharmacophore. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011 , 21, 2515-20	2.9	7
27	Complexation of oxovanadium(IV) by humic and tannic acids. <i>Journal of Inorganic Biochemistry</i> , 1990 , 39, 109-115	4.2	7
26	4-Substituted-2-Methoxyphenol: Suitable Building Block to Prepare New Bioactive Natural-like Hydroxylated Biphenyls. <i>Letters in Drug Design and Discovery</i> , 2015 , 12, 131-139	0.8	6
25	Coordination of Copper(II) to Polyaminopolycarboxylic Acids in Aqueous Solution. <i>Journal of Coordination Chemistry</i> , 1992 , 25, 265-270	1.6	6
24	Factors Impacting π and π -Hole Regions as Revealed by the Electrostatic Potential and Its Source Function Reconstruction: The Case of 4,4SBipyridine Derivatives. <i>Molecules</i> , 2020 , 25,	4.8	6
23	Enantioseparation of 5,5SDibromo-2,2SDichloro-3-Selanyl-4,4SBipyridines on Polysaccharide-Based Chiral Stationary Phases: Exploring Chalcogen Bonds in Liquid-Phase Chromatography. <i>Molecules</i> , 2021 , 26,	4.8	6
22	High-performance liquid chromatographic determination of formic acid in cleavage reactions of carbohydrates. <i>Journal of Chromatography A</i> , 1983 , 268, 539-542	4.5	5
21	New aspects of the interaction between polysaccharides and metal ions in relation to the mineral nutrition of plant roots. <i>Inorganica Chimica Acta</i> , 1983 , 79, 231-232	2.7	5
20	Binding of Copper(II) to Pilocarpine. <i>Journal of Chemical Research Synopses</i> , 1997 , 106-107		4

19	DNA Binders: 1. Evaluation of DNA-Interactive Ability, Design, and Synthesis of Novel Intercalating Agents. <i>Letters in Drug Design and Discovery</i> , 2009 , 6, 56-62	0.8	4
18	Proton electron nuclear double resonance study of oxovanadium(IV) complexes of o-diphenolic ligands. <i>Journal of the Chemical Society Dalton Transactions</i> , 1989 , 1289		4
17	Synthesis and Studies of the Inhibitory Effect of Hydroxylated Phenylpropanoids and Biphenols Derivatives on Tyrosinase and Laccase Enzymes. <i>Molecules</i> , 2020 , 25,	4.8	3
16	Synthesis of potential HIV integrase inhibitors inspired by natural polyphenol structures. <i>Natural Product Research</i> , 2018 , 32, 1893-1901	2.3	3
15	Proton electron nuclear double resonance spectra of oxovanadium(IV) complexes formed by salicylic and o-diphenolic ligands in aqueous solution. <i>Journal of the Chemical Society Dalton Transactions</i> , 1990 , 457		3
14	Early combination treatment with existing HIV antivirals: an effective treatment for COVID-19?		3
13	Enantioseparations of polyhalogenated 4,5-bipyridines on polysaccharide-based chiral stationary phases and molecular dynamics simulations of selector-selectand interactions. <i>Electrophoresis</i> , 2021 , 42, 1853-1863	3.6	3
12	Design and synthesis of novel polycycles based on the 3H-pyrrolo/6,7-dihydropyrido[1,2-a]indole scaffold as templates for pharmaceutical development. <i>Journal of Heterocyclic Chemistry</i> , 2011 , 48, 1161-1168	1.9	2
11	Comparative enantioseparation of planar chiral ferrocenes on polysaccharide-based chiral stationary phases. <i>Chirality</i> , 2022 ,	2.1	2
10	DNA Binders: 2. Molecular Recognition of DNA by 2,3,6,7-tetrahydro-1H-pyrrolo[1,2-a]indole-1,8(5H)-dione bis(4,5-dihydro-1H-imidazol-2-ylhydrazon) as a Prototype of Two-Armed; Intercalating Agents. <i>Letters in Drug Design and Discovery</i> , 2009 , 6, 246-251	0.8	2
9	Molecular Docking and Comparative Inhibitory Efficacy of Naturally Occurring Compounds on Vegetative Growth and Deoxynivalenol Biosynthesis in. <i>Toxins</i> , 2021 , 13,	4.9	2
8	Synthesis, molecular modeling and biological evaluation of two new chicoric acid analogs. <i>Natural Product Research</i> , 2017 , 31, 397-403	2.3	1
7	Oxovanadium(IV) adsorption by plant roots. ESR identification of mobile and immobilized species. <i>Journal of Inorganic Biochemistry</i> , 1989 , 35, 71-78	4.2	1
6	Determination of vanadate(V) by conductometric anion chromatography. <i>Journal of Chromatography A</i> , 1985 , 320, 450-454	4.5	1
5	Interaction Studies between Carbonic Anhydrase and a Sulfonamide Inhibitor by Experimental and Theoretical Approaches. <i>ACS Medicinal Chemistry Letters</i> , 2022 , 13, 271-277	4.3	1
4	Exploring interaction modes between polysaccharide-based selectors and biologically active 4,4'-bipyridines by experimental and computational analysis. <i>Journal of Chromatography Open</i> , 2022 , 2, 100030		1
3	Antamanide Analogs as Potential Inhibitors of Tyrosinase. <i>International Journal of Molecular Sciences</i> , 2022 , 23, 6240	6.3	1
2	Selective determination of vanadium(IV) and vanadium(V) in excised plant roots. <i>Communications in Soil Science and Plant Analysis</i> , 1988 , 19, 355-366	1.5	0

- 1 Unravelling functions of halogen substituents in the enantioseparation of halogenated planar chiral ferrocenes on polysaccharide-based chiral stationary phases: experimental and electrostatic potential analyses.. *Journal of Chromatography A*, **2022**, 1673, 463097 4.5 ○