Alessandro Dess

List of Publications by Year in Descending Order

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	Comparative enantioseparation of planar chiral ferrocenes on polysaccharide-based chiral stationary phases.. *Chirality*, **2022**,	2.1	2
71	Interaction Studies between Carbonic Anhydrase and a Sulfonamide Inhibitor by Experimental and Theoretical Approaches. *ACS Medicinal Chemistry Letters*, **2022**, 13, 271-277	4.3	1
70	Exploring interaction modes between polysaccharide-based selectors and biologically active 4,4?-bipyridines by experimental and computational analysis. *Journal of Chromatography Open*, **2022**, 2, 100030		1
69	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	0
68	Antamanide Analogs as Potential Inhibitors of Tyrosinase. *International Journal of Molecular Sciences*, **2022**, 23, 6240	6.3	1
67	Early combination treatment with existing HIV antivirals: an effective treatment for COVID-19?. *European Review for Medical and Pharmacological Sciences*, **2021**, 25, 2435-2448	2.9	8
66	Molecular Docking and Comparative Inhibitory Efficacy of Naturally Occurring Compounds on Vegetative Growth and Deoxynivalenol Biosynthesis in. *Toxins*, **2021**, 13,	4.9	2
65	Enantioseparations of polyhalogenated 4,4Sbipyridines on polysaccharide-based chiral stationary phases and molecular dynamics simulations of selector-selectand interactions. *Electrophoresis*, **2021**, 42, 1853-1863	3.6	3
64	Enantioseparation of 5,5SDibromo-2,2SDichloro-3-Selanyl-4,4SBipyridines on Polysaccharide-Based Chiral Stationary Phases: Exploring Chalcogen Bonds in Liquid-Phase Chromatography. *Molecules*, **2021**, 26,	4.8	6
63	Rational Design, Synthesis, Characterization and Evaluation of Iodinated 4,4SBipyridines as New Transthyretin Fibrillogenesis Inhibitors. *Molecules*, **2020**, 25,	4.8	8
62	Comparative enantioseparation of chiral 4,4Sbipyridine derivatives on coated and immobilized amylose-based chiral stationary phases. *Journal of Chromatography A*, **2020**, 1625, 461303	4.5	11
61	Synthesis and Studies of the Inhibitory Effect of Hydroxylated Phenylpropanoids and Biphenols Derivatives on Tyrosinase and Laccase Enzymes. *Molecules*, **2020**, 25,	4.8	3
60	Noncovalent interactions in high-performance liquid chromatography enantioseparations on polysaccharide-based chiral selectors. *Journal of Chromatography A*, **2020**, 1623, 461202	4.5	27
59	Halogen bond in separation science: A critical analysis across experimental and theoretical results. *Journal of Chromatography A*, **2020**, 1616, 460788	4.5	13
58	Factors Impacting □and □Hole Regions as Revealed by the Electrostatic Potential and Its Source Function Reconstruction: The Case of 4,4SBipyridine Derivatives. *Molecules*, **2020**, 25,	4.8	6
57	Recent studies of docking and molecular dynamics simulation for liquid-phase enantioseparations. *Electrophoresis*, **2019**, 40, 1881-1896	3.6	19
56	Synthesis of potential HIV integrase inhibitors inspired by natural polyphenol structures. *Natural Product Research*, **2018**, 32, 1893-1901	2.3	3

55	Polysaccharide-based chiral stationary phases as halogen bond acceptors: A novel strategy for detection of stereoselective Ehole bonds in solution. *Journal of Separation Science*, **2018**, 41, 1247-1256	3.4	27
54	Halogen bond in high-performance liquid chromatography enantioseparations: Description, features and modelling. *Journal of Chromatography A*, **2018**, 1563, 71-81	4.5	22
53	Enantioseparation of fluorinated 3-arylthio-4,4Sbipyridines: Insights into chalcogen and Ehole bonds in high-performance liquid chromatography. *Journal of Chromatography A*, **2018**, 1567, 119-129	4.5	16
52	Synthesis, molecular modeling and biological evaluation of two new chicoric acid analogs. *Natural Product Research*, **2017**, 31, 397-403	2.3	1
51	Exploring Heteroaryl-pyrazole Carboxylic Acids as Human Carbonic Anhydrase XII Inhibitors. *ACS Medicinal Chemistry Letters*, **2017**, 8, 941-946	4.3	16
50	Insights into halogen bond-driven enantioseparations. *Journal of Chromatography A*, **2016**, 1467, 228-238	4.5	30
49	Natural Phenolic Inhibitors of Trichothecene Biosynthesis by the Wheat Fungal Pathogen Fusarium culmorum: A Computational Insight into the Structure-Activity Relationship. *PLoS ONE*, **2016**, 11, e0157316	3.7	16
48	Virtual Screening and Biological Validation of Novel Influenza Virus PA Endonuclease Inhibitors. *ACS Medicinal Chemistry Letters*, **2015**, 6, 866-71	4.3	25
47	4-Substituted-2-Methoxyphenol: Suitable Building Block to Prepare New Bioactive Natural-like Hydroxylated Biphenyls. *Letters in Drug Design and Discovery*, **2015**, 12, 131-139	0.8	6
46	Natural and natural-like phenolic inhibitors of type B trichothecene in vitro production by the wheat (Triticum sp.) pathogen Fusarium culmorum. *Journal of Agricultural and Food Chemistry*, **2014**, 62, 4969-78	5.7	41
45	Mutational analysis of the binding pockets of the diketo acid inhibitor L-742,001 in the influenza virus PA endonuclease. *Journal of Virology*, **2013**, 87, 10524-38	6.6	56
44	Design and synthesis of novel polycycles based on the 3H-pyrrolo/6,7-dihydropyrido[1,2-a]indole scaffold as templates for pharmaceutical development. *Journal of Heterocyclic Chemistry*, **2011**, 48, 1161-1168	1.9	2
43	Virtual screening-driven identification of human carbonic anhydrase inhibitors incorporating an original, new pharmacophore. *Bioorganic and Medicinal Chemistry Letters*, **2011**, 21, 2515-20	2.9	7
42	Design, synthesis, molecular modeling, and anti-HIV-1 integrase activity of a series of photoactivatable diketo acid-containing inhibitors as affinity probes. *Antiviral Research*, **2009**, 81, 267-76	10.8	28
41	DNA Binders: 1. Evaluation of DNA-Interactive Ability, Design, and Synthesis of Novel Intercalating Agents. *Letters in Drug Design and Discovery*, **2009**, 6, 56-62	0.8	4
40	DNA Binders: 2. Molecular Recognition of DNA by 2,3,6,7-tetrahydro-1Hpyrrolo[1,2-a]indole-1,8(5H)-dione bis(4,5-dihydro-1H-imidazol-2-ylhydrazone) as a Prototype of “Two-Armed” Intercalating Agents. *Letters in Drug Design and Discovery*, **2009**, 6, 246-251	0.8	2
39	Design and synthesis of bis-amide and hydrazide-containing derivatives of malonic acid as potential HIV-1 integrase inhibitors. *Molecules*, **2008**, 13, 2442-61	4.8	28
38	Design of novel bioisosteres of beta-diketo acid inhibitors of HIV-1 integrase. *Antiviral Chemistry and Chemotherapy*, **2005**, 16, 41-61	3.5	52

37	Design and synthesis of novel dihydroxyindole-2-carboxylic acids as HIV-1 integrase inhibitors. *Antiviral Chemistry and Chemotherapy*, **2004**, 15, 67-81	3.5	26
36	Design and synthesis of novel indole beta-diketo acid derivatives as HIV-1 integrase inhibitors. *Journal of Medicinal Chemistry*, **2004**, 47, 5298-310	8.3	112
35	Binding of Copper(II) toPilocarpine *Journal of Chemical Research Synopses*, **1997**, 106-107		4
34	Copper(II), nickel(II), zinc(II), and molybdenum(VI) complexes of desferrioxamine B in aqueous solution. *Journal of Inorganic Biochemistry*, **1997**, 65, 281-286	4.2	60
33	Binding of Oxovanadium(IV) to Guanosine 5Monophosphate. *Inorganic Chemistry*, **1996**, 35, 6349-6352	5.1	18
32	EPR and potentiometric reinvestigation of copper(II) complexation with simple oligopeptides and related compounds. *Journal of Inorganic Biochemistry*, **1996**, 63, 99-117	4.2	82
31	Coordination of oxovanadium(IV) to aminocarboxylic acids in aqueous solution. *Polyhedron*, **1994**, 13, 1763-1771	2.7	14
30	Oxovanadium(IV) complexes of mercaptocarboxylic acids. *Journal of the Chemical Society Dalton Transactions*, **1993**, 1849-1855		20
29	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. *Journal of the Chemical Society Dalton Transactions*, **1993**, 2057-2063		18
28	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). *Inorganic Chemistry*, **1993**, 32, 578-581	5.1	17
27	EPR investigation of the oxovanadium(IV) complexes formed by the tripeptide glutathione and some related ligands in aqueous solution. *Journal of Inorganic Biochemistry*, **1993**, 52, 275-86	4.2	32
26	Coordination of Copper(II) to Polyaminopolycarboxylic Acids in Aqueous Solution. *Journal of Coordination Chemistry*, **1992**, 25, 265-270	1.6	6
25	Structural information on chromium(V) complexes of 1,2-diols in solution, as determined by isotropic and anisotropic proton ENDOR spectroscopy. *Inorganic Chemistry*, **1992**, 31, 2404-2408	5.1	21
24	Oxovanadium(IV) complex formation by simple sugars in aqueous solution. *Journal of Inorganic Biochemistry*, **1992**, 45, 169-77	4.2	35
23	Vanadium(IV) and oxovanadium(IV) complexes of hydroxamic acids and related ligands. *Journal of Inorganic Biochemistry*, **1992**, 48, 279-287	4.2	20
22	Complexation of oxovanadium(IV) by humic and tannic acids. *Journal of Inorganic Biochemistry*, **1990**, 39, 109-115	4.2	7
21	Reduction of chromate ions by glutathione tripeptide in the presence of sugar ligands. *Journal of Inorganic Biochemistry*, **1990**, 39, 217-226	4.2	33
20	Potentiometric and spectroscopic studies on oxovanadium(IV) complexes of salicylic acid and catechol and some derivatives. *Journal of the Chemical Society Dalton Transactions*, **1990**, 2903-2907		24

19	Proton electron nuclear double resonance spectra of oxovanadium(IV) complexes formed by salicylic and o-diphenolic ligands in aqueous solution. *Journal of the Chemical Society Dalton Transactions*, **1990**, 457		3
18	Stabilization of the open-chain structure of D-galacturonic acid in a dimeric complex with oxovanadium(IV). *Journal of the Chemical Society Dalton Transactions*, **1990**, 1997-1999		15
17	Formation and structure of the tris(catecholato)vanadate(IV) complex in aqueous solution. *Inorganic Chemistry*, **1990**, 29, 1586-1589	5.1	54
16	Oxovanadium(IV) and copper(II) coordination by d-galacturonic and d-glucuronic acids. *Carbohydrate Research*, **1989**, 188, 25-34	2.9	34
15	Oxovanadium(IV) adsorption by plant roots. ESR identification of mobile and immobilized species. *Journal of Inorganic Biochemistry*, **1989**, 35, 71-78	4.2	1
14	In vitro interaction of mutagenic chromium (VI) with red blood cells. *FEBS Letters*, **1989**, 257, 52-4	3.8	33
13	Proton electron nuclear double resonance study of oxovanadium(IV) complexes of D-galacturonic and polygalacturonic acids. *Journal of the Chemical Society Dalton Transactions*, **1989**, 1283		22
12	Proton electron nuclear double resonance study of oxovanadium(IV) complexes of o-diphenolic ligands. *Journal of the Chemical Society Dalton Transactions*, **1989**, 1289		4
11	Reduction of chromium(VI) by D-galacturonic acid and formation of stable chromium(V) intermediates. *Inorganica Chimica Acta*, **1988**, 153, 61-65	2.7	39
10	Oxovanadium(iv) complexes of malic, succinic, and 2-mercaptosuccinic acids. *Journal of Inorganic Biochemistry*, **1988**, 33, 99-109	4.2	15
9	Chromium adsorption by plant roots and formation of long-lived Cr(V) species: An ecological hazard?. *Journal of Inorganic Biochemistry*, **1988**, 34, 157-166	4.2	53
8	Selective determination of vanadium(IV) and vanadium(V) in excised plant roots. *Communications in Soil Science and Plant Analysis*, **1988**, 19, 355-366	1.5	0
7	Oxidation of D-galacturonic acid by vanadium(V). *Inorganica Chimica Acta*, **1986**, 120, 49-51	2.7	15
6	Determination of vanadate(V) by conductometric anion chromatography. *Journal of Chromatography A*, **1985**, 320, 450-454	4.5	1
5	Copper(II) complexation by D-glucosamine. Spectroscopic and potentiometric studies. *Inorganica Chimica Acta*, **1985**, 107, 45-48	2.7	63
4	High-performance liquid chromatographic determination of formic acid in cleavage reactions of carbohydrates. *Journal of Chromatography A*, **1983**, 268, 539-542	4.5	5
3	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. *Inorganica Chimica Acta*, **1983**, 80, L53-L55	2.7	31
2	New aspects of the interaction between polysaccharides and metal ions in relation to the mineral nutrition of plant roots. *Inorganica Chimica Acta*, **1983**, 79, 231-232	2.7	5