Robert C Hider

List of Publications by Year
in descending order

271 papers	15,549 citations	17440 63 h-index	22832 112 g-index
278 all docs	278 docs citations	278 times ranked	16821 citing authors

#	Article	IF	Citations
1	The synthesis and properties of mitochondrial targeted iron chelators. BioMetals, 2023, 36, 321-337.	4.1	7
2	Response to Cabantchik and Hershko commentary â€œPlasma nontransferrin bound ironâ€“nontransferrin bound iron revisited: Implications for systemic iron overload and in iv iron supplementationâ€. American Journal of Hematology, 2022, 97, .	4.1	0
3	Antioxidant and antiâ€tyrosinase activity of a novel stilbene analogue as an antiâ€browning agent. Journal of the Science of Food and Agriculture, 2022, 102, 3817-3825.	3.5	4
4	A Novel Stilbene Analogue: Antioxidant Activity and Application in Controlling the Quality and Bacterial Growth of Shrimp Refrigerated at 4Â°C. Journal of Aquatic Food Product Technology, 2022, 31, 214-225.	1.4	2
5	The Brain Observatory Storage Service and Database (BossDB): A Cloud-Native Approach for Petascale Neuroscience Discovery. Frontiers in Neuroinformatics, 2022, 16, 828787.	2.5	16
6	Cytotoxicity of Fenugreek Sprout and Seed Extracts and Their Bioactive Constituents on MCF-7 Breast Cancer Cells. Nutrients, 2022, 14, 784.	4.1	8
7	Design and synthesis of novel stilbene-hydroxypyridinone hybrids as tyrosinase inhibitors and their application in the anti-browning of freshly-cut apples. Food Chemistry, 2022, 385, 132730.	8.2	25
8	Glutathione and the intracellular labile heme pool. BioMetals, 2021, 34, 221-228.	4.1	11
9	The Role of GSH in Intracellular Iron Trafficking. International Journal of Molecular Sciences, 2021, 22, 1278.	4.1	20
10	Dipeptide inhibitors of the prostate specific membrane antigen (PSMA): A comparison of urea and thiourea derivatives. Bioorganic and Medicinal Chemistry Letters, 2021, 42, 128044.	2.2	3
11	Intravenous iron preparations transiently generate non-transferrin-bound iron from two proposed pathways. Haematologica, 2021, 106, 2885-2896.	3.5	28
12	An Integrated Toolkit for Extensible and Reproducible Neuroscience. , 2021, 2021, 2413-2418.		4
13	Effectiveness of the Iron Chelator CN128 in Mitigating the Formation of Dopamine Oxidation Products Associated with the Progression of Parkinsonâ€™s Disease. ACS Chemical Neuroscience, 2020, 11, 3646-3657.	3.5	14
14	Functionality study of chalcone-hydroxypyridinone hybrids as tyrosinase inhibitors and influence on anti-tyrosinase activity. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 1562-1567.	5.2	11
15	HPO iron chelator, CP655, causes the G1/S phase cell cycle block via p21 upregulation. Immunity, Inflammation and Disease, 2020, 8, 568-583.	2.7	2
16	Solid-Phase Synthesis and In-Silico Analysis of Iron-Binding Catecholato Chelators. International Journal of Molecular Sciences, 2020, 21, 7498.	4.1	0
17	Characterization of two siderophores produced by Bacillus megaterium: A preliminary investigation into their potential as therapeutic agents. Biochimica Et Biophysica Acta - General Subjects, 2020, 1864, 129670.	2.4	7
18	CN128: A New Orally Active Hydroxypyridinone Iron Chelator. Journal of Medicinal Chemistry, 2020, 63, 4215-4226.	6.4	20

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19	Antimicrobial and antioxidant effects of a hydroxypyridinone derivative containing an oxime ether moiety and its application in shrimp preservation. Food Control, 2019, 95, 157-164.	5.5	25
20	A Simple Metal-Free Cyclization for the Synthesis of 4-Methylene-3-Substituted Quinazolinone and Quinazolinthione Derivatives: Experiment and Theory. Frontiers in Chemistry, 2019, 7, 584.	3.6	11
21	Targeting macrophages and their recruitment in the oral cavity using swellable (+) alpha tocopheryl phosphate nanostructures. Nanomedicine: Nanotechnology, Biology, and Medicine, 2019, 21, 102010.	3.3	2
22	Bismuth(III) interactions with Desulfovibrio desulfuricans: inhibition of cell energetics and nanocrystal formation of Bi2S3 and Bi0. BioMetals, 2019, 32, 803-811.	4.1	6
23	The Efficacy of Iron Chelators for Removing Iron from Specific Brain Regions and the Pituitaryâ€"Ironing out the Brain. Pharmaceuticals, 2019, 12, 138.	3.8	25
24	Enzymatic characteristics of polyphenoloxidase from shrimp (Penaeus vannamei) and its inhibition by a novel hydroxypyridinone derivative. Food Science and Biotechnology, 2019, 28, 1047-1055.	2.6	9
25	Membrane Radiolabelling of Exosomes for Comparative Biodistribution Analysis in Immunocompetent and Immunodeficient Mice - A Novel and Universal Approach. Theranostics, 2019, 9, 1666-1682.	10.0	94
26	Tuning the properties of tris(hydroxypyridinone) ligands: efficient ⁶⁸Ga chelators for PET imaging. Dalton Transactions, 2019, 48, 4299-4313.	3.3	24
27	Synthesis and iron chelating properties of hydroxypyridinone and hydroxypyranone hexadentate ligands. Dalton Transactions, 2019, 48, 3459-3466.	3.3	15
28	The role of mitochondrial labile iron in Friedreich's ataxia skin fibroblasts sensitivity to ultraviolet A. Metallomics, 2019, 11, 656-665.	2.4	16
29	Synthesis and iron coordination properties of schizokinen and its imide derivative. Dalton Transactions, 2019, 48, 17395-17401.	3.3	4
30	Synthesis, characterisation and quantum chemical studies of a new series of iron chelatable fluorescent sensors. Molecular Physics, 2019, 117, 661-671.	1.7	7
31	Diminishing biofilm resistance to antimicrobial nanomaterials through electrolyte screening of electrostatic interactions. Colloids and Surfaces B: Biointerfaces, 2019, 173, 392-399.	5.0	34
32	Soft, adhesive (+) alpha tocopherol phosphate planar bilayers that control oral biofilm growth through a substantive antimicrobial effect. Nanomedicine: Nanotechnology, Biology, and Medicine, 2018, 14, 2307-2316.	3.3	9
33	The effect of <scp><i>Banisteriopsis caapi</i></scp> (<scp><i>B.Âcaapi</i></scp>) on the motor deficits in the MPTPâ€treated common marmoset model of Parkinson's disease. Phytotherapy Research, 2018, 32, 678-687.	5.8	11
34	The interaction of pyridoxal isonicotinoyl hydrazone (PIH) and salicylaldehyde isonicotinoyl hydrazone (SIH) with iron. Journal of Inorganic Biochemistry, 2018, 180, 194-203.	3.5	14
35	Ion-Pairing with Spermine Targets Theophylline To the Lungs via the Polyamine Transport System. Molecular Pharmaceutics, 2018, 15, 861-870.	4.6	11
36	Novel hydroxypyridinone derivatives containing an oxime ether moiety: Synthesis, inhibition on mushroom tyrosinase and application in anti-browning of fresh-cut apples. Food Chemistry, 2018, 242, 174-181.	8.2	65

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37	Synthesis and characterization of methyl substituted 3-hydroxypyridin-4-ones and their complexes with iron(III). Canadian Journal of Chemistry, 2018, 96, 293-298.	1.1	3
38	The Role of Deferiprone in Iron Chelation. New England Journal of Medicine, 2018, 379, 2140-2150.	27.0	96
39	Design of Bifunctional Dendritic 5-Aminolevulinic Acid and Hydroxypyridinone Conjugates for Photodynamic Therapy. Bioconjugate Chemistry, 2018, 29, 3411-3428.	3.6	15
40	A community-developed open-source computational ecosystem for big neuro data. Nature Methods, 2018, 15, 846-847.	19.0	51
41	Synthesis, iron binding and antimicrobial properties of hexadentate 3-hydroxypyridinones-terminated dendrimers. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 2504-2512.	2.2	13
42	Hydroxypyridinone Journey into Metal Chelation. Chemical Reviews, 2018, 118, 7657-7701.	47.7	52
43	Proteinâ€Coronaâ€byâ€Design in 2D: A Reliable Platform to Decode Bioâ€“Nano Interactions for the Nextâ€Generation Qualityâ€byâ€Design Nanomedicines. Advanced Materials, 2018, 30, e1802732.	21.0	21
44	⁶⁸Ga-THP-PSMA: A PET Imaging Agent for Prostate Cancer Offering Rapid, Room-Temperature, 1-Step Kit-Based Radiolabeling. Journal of Nuclear Medicine, 2017, 58, 1270-1277.	5.0	75
45	Preparation, antioxidant and antimicrobial evaluation of hydroxamated degraded polysaccharides from Enteromorpha prolifera. Food Chemistry, 2017, 237, 481-487.	8.2	65
46	Hydroxypyridinone and 5-Aminolaevulinic Acid Conjugates for Photodynamic Therapy. Journal of Medicinal Chemistry, 2017, 60, 3498-3510.	6.4	28
47	Eltrombopag: a powerful chelator of cellular or extracellular iron(III) alone or combined with a second chelator. Blood, 2017, 130, 1923-1933.	1.4	98
48	A Novel Inhibitor Against Mushroom Tyrosinase with a Double Action Mode and Its Application in Controlling the Browning of Potato. Food and Bioprocess Technology, 2017, 10, 2146-2155.	4.7	33
49	Iron in biology. Metallomics, 2017, 9, 1467-1469.	2.4	22
50	Residual erythropoiesis protects against myocardial hemosiderosis in transfusion-dependent thalassemia by lowering labile plasma iron via transient generation of apotransferrin. Haematologica, 2017, 102, 1640-1649.	3.5	18
51	Hydroxypyridinone Chelators: From Iron Scavenging to Radiopharmaceuticals for PET Imaging with Gallium-68. International Journal of Molecular Sciences, 2017, 18, 116.	4.1	47
52	Novel Hyaluronic Acid Conjugates for Dual Nuclear Imaging and Therapy in CD44-Expressing Tumors in Mice <i>In Vivo</i>. Nanotheranostics, 2017, 1, 59-79.	5.2	42
53	Targeted redox inhibition of protein phosphatase 1 by Nox4 regulates <scp>eIF</scp>2Î±â€mediated stress signaling. EMBO Journal, 2016, 35, 319-334.	7.8	91
54	Cardioprotective effects of Cu(II)ATSM in human vascular smooth muscle cells and cardiomyocytes mediated by Nrf2 and DJ-1. Scientific Reports, 2016, 6, 7.	3.3	93

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55	Using Salt Counterions to Modify Î²₂-Agonist Behavior <i>in Vivo</i>. Molecular Pharmaceutics, 2016, 13, 3439-3448.	4.6	6
56	Second international round robin for the quantification of serum non-transferrin-bound iron and labile plasma iron in patients with iron-overload disorders. Haematologica, 2016, 101, 38-45.	3.5	74
57	Systematic comparison of the mono-, dimethyl- and trimethyl 3-hydroxy-4(1H)-pyridones â€“ Attempted optimization of the orally active iron chelator, deferiprone. European Journal of Medicinal Chemistry, 2016, 115, 132-140.	5.5	30
58	Design and synthesis of novel hydroxypyridinone derivatives as potential tyrosinase inhibitors. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 3103-3108.	2.2	43
59	Design and synthesis of 5-aminolaevulinic acid/3-hydroxypyridinone conjugates for photodynamic therapy: enhancement of protoporphyrin IX production and photo-toxicity in tumor cells. MedChemComm, 2016, 7, 1190-1196.	3.4	12
60	A Powerful Mitochondria-Targeted Iron Chelator Affords High Photoprotection against Solar Ultraviolet A Radiation. Journal of Investigative Dermatology, 2016, 136, 1692-1700.	0.7	20
61	Improved antioxidant and anti-tyrosinase activity of polysaccharide from Sargassum fusiforme by degradation. International Journal of Biological Macromolecules, 2016, 92, 715-722.	7.5	88
62	5-Hydroxypyran-4-one derivatives as potential therapeutic iron-chelating agents. ChemistrySelect, 2016, 1, 297-300.	1.5	4
63	Clinical and methodological factors affecting non-transferrin-bound iron values using a novel fluorescent bead assay. Translational Research, 2016, 177, 19-30.e5.	5.0	17
64	Edible Antimicrobial Coating Incorporating a Polymeric Iron Chelator and Its Application in the Preservation of Surimi Product. Food and Bioprocess Technology, 2016, 9, 1031-1039.	4.7	29
65	Copper(II) binding properties of hepcidin. Journal of Biological Inorganic Chemistry, 2016, 21, 329-338.	2.6	32
66	Novel Multifunctional Hydroxypyridinone Derivatives as Potential Shrimp Preservatives. Food and Bioprocess Technology, 2016, 9, 1079-1088.	4.7	23
67	Macromolecular iron-chelators via RAFT-polymerization for the inhibition of methicillin-resistant Staphylococcus aureus growth. Polymer, 2016, 87, 64-72.	3.8	9
68	Bismuth(III) deferiprone effectively inhibits growth of Desulfovibrio desulfuricans ATCC 27774. BioMetals, 2016, 29, 311-319.	4.1	4
69	Dual selective iron chelating probes with a potential to monitor mitochondrial labile iron pools. Chemical Communications, 2016, 52, 784-787.	4.1	23
70	Basic Principles of Metal Chelation and Chelator Design. 2-Oxoglutarate-Dependent Oxygenases, 2016, , 24-55.	0.8	1
71	The Synthesis of 5-Functional 3-Hydroxypyridin-4-ones and Their Impact on the Chelating Properties of the Ligands. Chemistry Letters, 2015, 44, 515-517.	1.3	3
72	Design and synthesis of novel pegylated iron chelators with decreased metabolic rate. Future Medicinal Chemistry, 2015, 7, 2439-2449.	2.3	3

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73	Design of novel fluorescent mitochondria-targeted peptides with iron-selective sensing activity. Biochemical Journal, 2015, 469, 357-366.	3.7	15
74	Design, synthesis and biological evaluation of 5-aminolaevulinic acid/3-hydroxypyridinone conjugates as potential photodynamic therapeutical agents. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 558-561.	2.2	15
75	Mode of iron(<scp>iii</scp>) chelation by hexadentate hydroxypyridinones. Chemical Communications, 2015, 51, 5614-5617.	4.1	14
76	Iron and zinc sensing in cells and the body. Metallomics, 2015, 7, 200-201.	2.4	3
77	Deferitazole, a new orally active iron chelator. Dalton Transactions, 2015, 44, 5197-5204.	3.3	17
78	Novel synthetic approach to fluoro- and amido-disubstituted 3-hydroxypyridin-4-ones. Journal of Fluorine Chemistry, 2015, 173, 29-34.	1.7	3
79	Synthesis of double-clickable functionalised graphene oxide for biological applications. Chemical Communications, 2015, 51, 14981-14984.	4.1	43
80	Organic Solvent-Free, One-Step Engineering of Graphene-Based Magnetic-Responsive Hybrids Using Design of Experiment-Driven Mechanochemistry. ACS Applied Materials & Interfaces, 2015, 7, 14176-14181.	8.0	31
81	Novel 3-hydroxypyridin-4-one hexadentate ligand-based polymeric iron chelator: synthesis, characterization and antimicrobial evaluation. MedChemComm, 2015, 6, 1620-1625.	3.4	24
82	pFe³⁺ determination of multidentate ligands by a fluorescence assay. Analyst, The, 2015, 140, 3603-3606.	3.5	6
83	Hexadentate 3-hydroxypyridin-4-ones with high iron(III) affinity: Design, synthesis and inhibition on methicillin resistant Staphylococcus aureus and Pseudomonas strains. European Journal of Medicinal Chemistry, 2015, 94, 8-21.	5.5	38
84	Synthesis and characterization of novel iron-specific bicyclic fluorescent probes. Sensors and Actuators B: Chemical, 2015, 213, 12-19.	7.8	6
85	Solvent-Free Click-Mechanochemistry for the Preparation of Cancer Cell Targeting Graphene Oxide. ACS Applied Materials & Interfaces, 2015, 7, 18920-18923.	8.0	35
86	Tripodal tris(hydroxypyridinone) ligands for immunoconjugate PET imaging with ⁸⁹Zr⁴⁺: comparison with desferrioxamine-B. Dalton Transactions, 2015, 44, 4884-4900.	3.3	72
87	Characterisation of a novel oral iron chelator: 1-(N-Acetyl-6-Aminohexyl)-3-Hydroxy-2-Methylpyridin-4-one. Journal of Pharmacy and Pharmacology, 2015, 67, 703-713.	2.4	19
88	Iron Deficiency Impairs Intra-Hepatic Lymphocyte Mediated Immune Response. PLoS ONE, 2015, 10, e0136106.	2.5	44
89	Synthesis of polymers containing 3-hydroxypyridin-4-one bidentate ligands for treatment of iron overload. Research in Pharmaceutical Sciences, 2015, 10, 364-77.	1.8	4
90	A novel method for non-transferrin-bound iron quantification by chelatable fluorescent beads based on flow cytometry. Biochemical Journal, 2014, 463, 351-362.	3.7	27

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91	Feruloyl-CoA 6'-Hydroxylase1-Dependent Coumarins Mediate Iron Acquisition from Alkaline Substrates in Arabidopsis. Plant Physiology, 2014, 164, 160-172.	4.8	281
92	3â€Hydroxypyridinoneâ€‹<scp>l</scp>â€phenylalanine conjugates with antimicrobial and tyrosinase inhibitory activities as potential shrimp preservatives. International Journal of Food Science and Technology, 2014, 49, 797-803.	2.7	19
93	Synthesis and characterizations of pyridazine-based iron chelators. Dalton Transactions, 2014, 43, 17120-17128.	3.3	14
94	Recent Developments Centered on Orally Active Iron Chelators. Thalassemia Reports, 2014, 4, 2261.	0.5	13
95	<i>In vitro</i>antimicrobial activity of hydroxypyridinone hexadentate-based dendrimeric chelators alone and in combination with norfloxacin. FEMS Microbiology Letters, 2014, 355, 124-130.	1.8	27
96	Design, Synthesis, and Antimicrobial Evaluation of Hexadentate Hydroxypyridinones with High Iron(<scp>III</scp>) Affinity. Chemical Biology and Drug Design, 2014, 84, 659-668.	3.2	27
97	Iron-chelating and anti-lipid peroxidation properties of 1-(N-acetyl-6-aminohexyl)-3-hydroxy-2-methylpyridin-4-one (CM1) in long-term iron loading Î²-thalassemic mice. Asian Pacific Journal of Tropical Biomedicine, 2014, 4, 663-668.	1.2	7
98	Coordination chemistry of a bis(3-hydroxypyran-4-one) with iron and copper. Journal of Coordination Chemistry, 2013, 66, 2957-2969.	2.2	3
99	Synthesis, physico-chemical properties, and antimicrobial evaluation of a new series of iron(III) hexadentate chelators. Medicinal Chemistry Research, 2013, 22, 2351-2359.	2.4	34
100	Design, synthesis and biological evaluation of peptide derivatives of l-dopa as anti-parkinsonian agents. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 5279-5282.	2.2	10
101	Iron speciation in the cytosol: an overview. Dalton Transactions, 2013, 42, 3220-3229.	3.3	141
102	Conjugation to 4-aminoquinoline improves the anti-trypanosomal activity of Deferiprone-type iron chelators. Bioorganic and Medicinal Chemistry, 2013, 21, 805-813.	3.0	24
103	Design and Synthesis of Hydroxypyridinone-<scp>l</scp>-phenylalanine Conjugates as Potential Tyrosinase Inhibitors. Journal of Agricultural and Food Chemistry, 2013, 61, 6597-6603.	5.2	49
104	A novel fluorescence method for determination of pFe³⁺. Analyst, The, 2013, 138, 96-99.	3.5	19
105	Functional Characterization of Fluorescent Hepcidin. Bioconjugate Chemistry, 2013, 24, 1527-1532.	3.6	6
106	Iron: Effect of Overload and Deficiency. Metal Ions in Life Sciences, 2013, 13, 229-294.	2.8	48
107	Synthesis and in-vitro antimicrobial evaluation of a high-affinity iron chelator in combination with chloramphenicol. Journal of Pharmacy and Pharmacology, 2013, 65, 512-520.	2.4	15
108	Non-Transferrin-Bound Iron (NTBI) Uptake by T Lymphocytes: Evidence for the Selective Acquisition of Oligomeric Ferric Citrate Species. PLoS ONE, 2013, 8, e79870.	2.5	42

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109	SPD602 Is a Selective Iron Chelator Which Is Able To Mobilise The Non-Transferrin-Bound Iron Pool. Blood, 2013, 122, 1673-1673.	1.4	5
110	Iron requirements based upon iron absorption tests are poorly predicted by haematological indices in patients with inactive inflammatory bowel disease. British Journal of Nutrition, 2012, 107, 1806-1811.	2.3	29
111	Prediction of 3-hydroxypyridin-4-one (HPO) hydroxyl pKa values. Dalton Transactions, 2012, 41, 6549.	3.3	15
112	Design of iron chelators with therapeutic application. Dalton Transactions, 2012, 41, 6371.	3.3	128
113	Prediction of 3-hydroxypyridin-4-one (HPO) log K1 values for Fe(iii). Dalton Transactions, 2012, 41, 10784.	3.3	13
114	Design and Synthesis of Fluorinated Iron Chelators for Metabolic Study and Brain Uptake. Journal of Medicinal Chemistry, 2012, 55, 2185-2195.	6.4	27
115	Structural Analysis of Cytochrome P450 105N1 Involved in the Biosynthesis of the Zincophore, Coelibactin. International Journal of Molecular Sciences, 2012, 13, 8500-8513.	4.1	34
116	Iron mobilization from transferrin by therapeutic iron chelating agents. Biochimica Et Biophysica Acta - General Subjects, 2012, 1820, 282-290.	2.4	36
117	Prediction of Absolute Hydroxyl p<i>K</i>_a Values for 3-Hydroxypyridin-4-ones. Journal of Physical Chemistry Letters, 2012, 3, 2980-2985.	4.6	17
118	The Properties of Therapeutically Useful Iron Chelators. , 2012, , 567-590.		1
119	Efficient bifunctional gallium-68 chelators for positron emission tomography: tris(hydroxypyridinone) ligands. Chemical Communications, 2011, 47, 7068.	4.1	125
120	Induction of hypoxia inducible factor (HIF-1Î±) in rat kidneys by iron chelation with the hydroxypyridinone, CP94. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2011, 1809, 262-268.	1.9	22
121	Ga(III) complexesâ€"The effect of metal coordination on potential systemic absorption after topical exposure. Toxicology Letters, 2011, 202, 155-160.	0.8	14
122	The potential application of iron chelators for the treatment of neurodegenerative diseases. Metallomics, 2011, 3, 239.	2.4	74
123	The Treatment of Malaria with Iron Chelators. Journal of Pharmacy and Pharmacology, 2011, 49, 59-64.	2.4	23
124	Management of iron overload in anaemia. Journal of Pharmacy and Pharmacology, 2011, 50, 24-24.	2.4	0
125	Design of clinically useful macromolecular iron chelators. Journal of Pharmacy and Pharmacology, 2011, 63, 893-903.	2.4	46
126	Genetic epidemiology of induced CYP3A4 activity. Pharmacogenetics and Genomics, 2011, 21, 642-651.	1.5	50

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127	The importance of reductive mechanisms for intestinal uptake of iron from ferric maltol and ferric nitrilotriacetic acid (NTA). Journal of Pharmacy and Pharmacology, 2011, 42, 279-282.	2.4	33
128	In vitro inhibition of bacterial growth by iron chelators. FEMS Microbiology Letters, 2011, 314, 107-111.	1.8	54
129	Synthesis, iron(III)-binding affinity and in vitro evaluation of 3-hydroxypyridin-4-one hexadentate ligands as potential antimicrobial agents. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 6376-6380.	2.2	32
130	The binding of aluminum to mugineic acid and related compounds as studied by potentiometric titration. BioMetals, 2011, 24, 723-727.	4.1	8
131	Glutathione: a key component of the cytoplasmic labile iron pool. BioMetals, 2011, 24, 1179-1187.	4.1	206
132	Synthesis, physicalâ€"chemical characterisation and biological evaluation of novel 2-amido-3-hydroxypyridin-4(1H)-ones: Iron chelators with the potential for treating Alzheimerâ€™s disease. Bioorganic and Medicinal Chemistry, 2011, 19, 1285-1297.	3.0	45
133	Iron Promotes the Toxicity of Amyloid Î² Peptide by Impeding Its Ordered Aggregation. Journal of Biological Chemistry, 2011, 286, 4248-4256.	3.4	182
134	Synthesis and physicochemical assessment of novel 2-substituted 3-hydroxypyridin-4-ones, novel iron chelators. Journal of Pharmacy and Pharmacology, 2010, 54, 349-364.	2.4	14
135	Design, synthesis and properties of novel iron(III)-specific fluorescent probes. Journal of Pharmacy and Pharmacology, 2010, 56, 529-536.	2.4	21
136	Synthesis, Physicochemical Properties and Biological Evaluation of Aromatic Ester Prodrugs of 1-(2â€˜-Hydroxyethyl)-2-ethyl-3-hydroxypyridin-4-one (CP102): Orally Active Iron Chelators with Clinical Potential. Journal of Pharmacy and Pharmacology, 2010, 51, 555-564.	2.4	22
137	Relevant activities of extracts and constituents of animals used in traditional Chinese medicine for central nervous system effects associated with Alzheimer's disease. Journal of Pharmacy and Pharmacology, 2010, 58, 989-996.	2.4	42
138	Amides from Piper nigrum L. with dissimilar effects on melanocyte proliferation in-vitro. Journal of Pharmacy and Pharmacology, 2010, 59, 529-536.	2.4	38
139	Fluorescent 3-hydroxy-4-pyridinone hexadentate iron chelators: intracellular distribution and the relevance to antimycobacterial properties. Journal of Biological Inorganic Chemistry, 2010, 15, 861-877.	2.6	38
140	Charge States of Deferasiroxâ€"Ferric Iron Complexes. American Journal of Kidney Diseases, 2010, 55, 614-615.	1.9	15
141	Incorporation of 2,3â€Diaminopropionic Acid into Linear Cationic Amphipathic Peptides Produces pHâ€Sensitive Vectors. ChemBioChem, 2010, 11, 1266-1272.	2.6	36
142	Amidoâ€3â€hydroxypyridinâ€4â€ones as Iron(III) Ligands. Chemistry - A European Journal, 2010, 16, 6374-6381.	3.3	31
143	Identification of a new hexadentate iron chelator capable of restricting the intramacrophagic growth of Mycobacterium avium. Microbes and Infection, 2010, 12, 287-294.	1.9	40
144	Synthesis of 5-benzyloxy-1,4-dihydro-6-methyl-4-oxopyridine-3-carbaldehyde by aerobic oxidation of the 5-dimethylaminomethyl analogue: optimisation of the reaction conditions. Tetrahedron Letters, 2010, 51, 1415-1418.	1.4	3

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145	Design and synthesis of fluorine-substituted 3-hydroxypyridin-4-ones. Tetrahedron Letters, 2010, 51, 5230-5233.	1.4	13
146	Design, synthesis and biological evaluation of l-dopa amide derivatives as potential prodrugs for the treatment of Parkinsonâ€™s disease. European Journal of Medicinal Chemistry, 2010, 45, 4035-4042.	5.5	24
147	Quantitation of hepcidin in serum using ultraâ€highâ€pressure liquid chromatography and a linear ion trap mass spectrometer. Rapid Communications in Mass Spectrometry, 2010, 24, 1251-1259.	1.5	49
148	Current Status of the Measurement of Blood Hepcidin Levels in Chronic Kidney Disease. Clinical Journal of the American Society of Nephrology: CJASN, 2010, 5, 1681-1689.	4.5	72
149	Chemistry and biology of siderophores. Natural Product Reports, 2010, 27, 637.	10.3	1,330
150	Mechanisms for the shuttling of plasma non-transferrin-bound iron (NTBI) onto deferoxamine by deferiprone. Translational Research, 2010, 156, 55-67.	5.0	59
151	Design, Synthesis and Evaluation of N-Basic Substituted 3-Hydroxypyridin-4-ones: Orally Active Iron Chelators with Lysosomotrophic Potential. Journal of Pharmacy and Pharmacology, 2010, 52, 263-272.	2.4	13
152	Glucosylated Deferiprone and Its Brain Uptake: Implications for Developing Glucosylated Hydroxypyridinone Analogues Intended to Cross the Bloodâˆ'Brain Barrier. Journal of Medicinal Chemistry, 2010, 53, 5886-5889.	6.4	18
153	RELEASE OF REDOX-ACTIVE IRON BY MUSCLE CRUSH TRAUMA. Shock, 2010, 33, 513-518.	2.1	11
154	Monitoring intracellular labile iron pools: A novel fluorescent iron(iii) sensor as a potential non-invasive diagnosis tool. Journal of Pharmaceutical Sciences, 2009, 98, 2212-2226.	3.3	37
155	Determination of the pKa value of the hydroxyl group in the Î±-hydroxycarboxylates citrate, malate and lactate by 13C NMR: implications for metal coordination in biological systems. BioMetals, 2009, 22, 771-778.	4.1	94
156	Quantification of hepcidin using matrixâ€assisted laser desorption/ionization timeâ€ofâ€flight mass spectrometry. Rapid Communications in Mass Spectrometry, 2009, 23, 1531-1542.	1.5	41
157	Fenton chemistry and oxidative stress mediate the toxicity of the Î²â€amyloid peptide in a <i>Drosophila</i> model of Alzheimerâ€™s disease. European Journal of Neuroscience, 2009, 29, 1335-1347.	2.6	159
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