

Nicolai Burzlaff

List of Publications by Year in descending order

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186265

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docs citations

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times ranked

2273
citing authors

#	ARTICLE	IF	CITATIONS
1	X-ray Crystal Structure of Escherichia coli Taurine/β-Ketoglutarate Dioxygenase Complexed to Ferrous Iron and Substrates. <i>Biochemistry</i> , 2002, 41, 5185-5192.	2.5	216
2	The macrophage phenotype and inflammasome component NLRP3 contributes to nephrocalcinosis-related chronic kidney disease independent from IL-1β-mediated tissue injury. <i>Kidney International</i> , 2018, 93, 656-669.	5.2	159
3	Monoanionic N,N,O-Scorpionate Ligands and their Iron(II) and Zinc(II) Complexes: Models for Mononuclear Active Sites of Non-Heme Iron Oxidases and Zinc Enzymes. <i>European Journal of Inorganic Chemistry</i> , 2001, 2001, 521-527.	2.0	155
4	Bis(pyrazol-1-yl)acetates as tripodal β-scorpionate ligands in transition metal carbonyl chemistry: syntheses, structures and reactivity of manganese and rhenium carbonyl complexes of the type [LM(CO)3] (L=bpza, bdmpza). <i>Journal of Organometallic Chemistry</i> , 2001, 626, 16-23.	1.8	108
5	Bis(pyrazol-1-yl)acetates as Tripodal Heteroscorpionate Ligands in Iron Chemistry: Syntheses and Structures of Iron(II) and Iron(III) Complexes with bpza, bdmpza, and bdtbpza Ligands. <i>Inorganic Chemistry</i> , 2003, 42, 7182-7188.	4.0	85
6	Hyperoxaluria Requires TNF Receptors to Initiate Crystal Adhesion and Kidney Stone Disease. <i>Journal of the American Society of Nephrology: JASN</i> , 2017, 28, 761-768.	6.1	78
7	The protective effect of prolyl-hydroxylase inhibition against renal ischaemia requires application prior to ischaemia but is superior to EPO treatment. <i>Nephrology Dialysis Transplantation</i> , 2012, 27, 929-936.	0.7	69
8	Alkylzinc Complexes with Achiral and Chiral Monoanionic N,N,O Heteroscorpionate Ligands. <i>European Journal of Inorganic Chemistry</i> , 2003, 2003, 339-347.	2.0	62
9	Ruthenium Carbene, Vinylidene, and Allenylidene Complexes with a Bis(3,5-dimethylpyrazol-1-yl)acetato Heteroscorpionate Ligand. <i>Organometallics</i> , 2006, 25, 2533-2546.	2.3	57
10	Neutral Ruthenium Carbene Complexes bearing N,N,O Heteroscorpionate Ligands: Syntheses and Activity in Metathesis Reactions. <i>Organometallics</i> , 2008, 27, 5894-5905.	2.3	57
11	Hypoxia-Inducible Factor-1β Causes Renal Cyst Expansion through Calcium-Activated Chloride Secretion. <i>Journal of the American Society of Nephrology: JASN</i> , 2014, 25, 465-474.	6.1	57
12	Mononuclear phagocytes orchestrate prolyl hydroxylase inhibition-mediated renoprotection in chronic tubulointerstitial nephritis. <i>Kidney International</i> , 2019, 96, 378-396.	5.2	49
13	Alternative oxidation by isopenicillin N synthase observed by X-ray diffraction. <i>Chemistry and Biology</i> , 2001, 8, 1231-1237.	6.0	47
14	Oxidation of Thioether Ligands in Pseudotetrahedral Cyclopentadienylruthenium Complexes: Toward a New Stereoselective Synthesis of Chiral Sulfoxides. <i>Inorganic Chemistry</i> , 1997, 36, 2372-2378.	4.0	46
15	Tuning the size of macrocyclic cavities in trianglimine macrocycles. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 1911.	2.8	44
16	Alkynylcarbyne complexes containing various tri- and bidentate ligands such as cyclopentadienide, tris(pyrazolyl)borate, bis(pyrazolyl)acetate and tmeda: synthesis and spectroscopic properties. <i>Journal of Organometallic Chemistry</i> , 2002, 641, 134-141.	1.8	43
17	Complexes bearing an enantiopure N,N,O scorpionate ligand derived from (â)-menthone. <i>Polyhedron</i> , 2004, 23, 245-251.	2.2	42
18	Selective Stabilization of HIF-1β in Renal Tubular Cells by 2-Oxoglutarate Analogues. <i>American Journal of Pathology</i> , 2012, 181, 1595-1606.	3.8	38

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19	Pre- and post-conditional inhibition of prolyl-4-hydroxylase domain enzymes protects the heart from an ischemic insult. <i>Pflugers Archiv European Journal of Physiology</i> , 2015, 467, 2141-2149.	2.8	38
20	Bis(pyrazol-1-yl)acetato Ligands in Ruthenium Chemistry: Syntheses and Structures of Ruthenium(II) and Ruthenium(III) Complexes with bpza and bdmpza. <i>European Journal of Inorganic Chemistry</i> , 2002, 2002, 671-677.	2.0	37
21	Synthesis and Transition Metal Complexes of Novel N,N,O Scorpionate Ligands Suitable for Solid Phase Immobilisation. <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 4989-4997.	2.0	37
22	Crystallographic studies on the reaction of isopenicillin N synthase with an unsaturated substrate analogue. <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 1455-1460.	2.8	33
23	Synthesis and structure of [bis(pyrazol-1-yl)acetato]trioxorhenium(VII) and [bis(3,5-dimethylpyrazol-1-yl)acetato]trioxorhenium(VII). <i>Inorganica Chimica Acta</i> , 2002, 329, 147-150.	2.4	32
24	Direct Synthesis of Enantiopure Tripod Ligands from C2-Symmetric Precursors. <i>European Journal of Inorganic Chemistry</i> , 2003, 2003, 409-411.	2.0	32
25	The new facial tripod ligand 3,3-bis(1-methylimidazol-2-yl)propionic acid and carbonyl complexes thereof containing manganese and rhenium. <i>Journal of Organometallic Chemistry</i> , 2005, 690, 2009-2016.	1.8	32
26	Biomimetic Trispyrazolylborato Iron Complexes. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 5580-5582.	13.8	32
27	A new method for the preparation of N-stabilized allenylidene complexes of chromium and tungsten. <i>Journal of Organometallic Chemistry</i> , 2003, 683, 301-312.	1.8	31
28	Hypoxia inducible factor stabilization improves defective ischemia-induced angiogenesis in a rodent model of chronic kidney disease. <i>Kidney International</i> , 2017, 91, 616-627.	5.2	30
29	Tripodal N,N,O-ligands for metalloenzyme models and organometallics. <i>Advances in Inorganic Chemistry</i> , 2008, , 101-165.	1.0	29
30	Ruthenium(II) Complexes Bearing Carboxylato and 2-Oxocarboxylato Ligands. <i>European Journal of Inorganic Chemistry</i> , 2004, 2004, 2151-2159.	2.0	28
31	An enantiopure N,N,S scorpionate ligand derived from (+)-camphor. <i>Dalton Transactions</i> , 2009, , 254-255.	3.3	27
32	Bis(3,5-dimethyl-4-vinylpyrazol-1-yl)acetic Acid: A New Heteroscorpionate Building Block for Copolymers that Mimic the 2-His-1-carboxylate Facial Triad. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 2962-2974.	2.0	27
33	Hypoxia inhibits nephrogenesis through paracrine Vegfa despite the ability to enhance tubulogenesis. <i>Kidney International</i> , 2015, 88, 1283-1292.	5.2	27
34	One-pot Synthesis of an Enantiopure N,N,O Scorpionate Ligand Derived from (+)-Camphor. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 5173-5176.	2.0	26
35	Novel N,N,O Scorpionate Ligands and Transition Metal Complexes Thereof Suitable for Polymerisation. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 1226-1235.	2.0	25
36	Ruthenium Carbonyl Complexes Bearing Bis(pyrazol-1-yl)carboxylato Ligands. <i>Organometallics</i> , 2012, 31, 2166-2174.	2.3	24

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37	Synthesis of Cationic Ruthenium Thioketene Complexes through Intramolecular 1,2-Elimination [1]. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 1997, 52, 117-124.	0.7	22
38	Synthesis, Structure, and Reactivity of Ruthenium Carboxylato and 2-Oxocarboxylato Complexes Bearing the Bis(3,5-dimethylpyrazol-1-yl)acetato Ligand. <i>Inorganic Chemistry</i> , 2008, 47, 9624-9641.	4.0	22
39	Cu(I) catalysed cyclopropanation with enantiopure scorpionate type ligands derived from (+)-camphor or (âˆ“) -menthone. <i>Dalton Transactions</i> , 2011, 40, 6547.	3.3	22
40	A device for the high-pressure oxygenation of protein crystals. <i>Analytical Biochemistry</i> , 2002, 308, 265-268.	2.4	21
41	3,3-Bis(3,5-dimethylpyrazol-1-yl)propionic acid: A tripodal N,N,O ligand for manganese and rhenium complexes â€“ Syntheses and structures. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 2319-2327.	1.8	21
42	Multiply Bonded Metal(II) Acetate (Rhodium, Ruthenium, and Molybdenum) Complexes with the <i>trans</i> -1,2-Bis(<i>N</i> -methylimidazol-2-yl)ethylene Ligand. <i>Inorganic Chemistry</i> , 2014, 53, 12305-12314.	4.0	20
43	Inhibition of transforming growth factor β 1 signaling in resident interstitial cells attenuates profibrotic gene expression and preserves erythropoietin production during experimental kidney fibrosis in mice. <i>Kidney International</i> , 2021, 100, 122-137.	5.2	18
44	Scorpionate Complexes Suitable for Enzyme Inhibitor Studies. <i>Current Bioactive Compounds</i> , 2009, 5, 277-295.	0.5	17
45	<i>trans</i> -1,2-Bis(<i>N</i> -methylimidazol-2-yl)ethylene: Towards Building Blocks for 2D Fabrics and MML-type 1D Molecular Strands. <i>Chemistry - A European Journal</i> , 2011, 17, 9293-9297.	3.3	17
46	Synthesis and characterization of heteroscorpionate-based manganese carbonyl complexes as CO-releasing molecules. <i>Tetrahedron</i> , 2015, 71, 2951-2954.	1.9	17
47	Chiral Thioaldehyde Complexes of Rhenium, X-Ray Structure Determination of [Cp(NO)(Ph) ₃ Re(η -2-S=CHPh)]PF ₆ [1]. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 1994, 49, 1633-1639.	0.7	16
48	Transition metal complexes bearing a 2,2-bis(3,5-dimethylpyrazol-1-yl)propionate ligand: one methyl more matters. <i>Dalton Transactions</i> , 2011, 40, 4678.	3.3	16
49	Synthesis of heterocyclic carbene ligands via 1,2,3-diheterocyclization of allenylidene complexes with dinucleophiles. <i>Journal of Organometallic Chemistry</i> , 2006, 691, 5753-5766.	1.8	15
50	Oxygen Atom Transfer Catalysis with Homogenous and Polymer-Supported N,N- and N,N,O-Heteroscorpionate Dioxidomolybdenum(VI) Complexes. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 2595-2602.	2.0	15
51	Prolyl-hydroxylase inhibitor activating hypoxia-inducible transcription factors reduce levels of transplant arteriosclerosis in a murine aortic allograft model. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2016, 22, 561-570.	1.1	14
52	Molybdenum and Tungsten Complexes of Sulfene (ThioformaldehydeS,S-Dioxide)1. <i>Inorganic Chemistry</i> , 2002, 41, 1079-1085.	4.0	13
53	Cationic Ruthenium-Sulfine Complexes: Synthesis and Dynamic Behaviour. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2002, 57, 259-274.	0.7	13
54	N,N,O Ligands Based on Triazoles and Transition Metal Complexes Thereof. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 4100-4109.	2.0	13

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55	Synthesis and transition metal complexes of 3,3-bis(1-vinylimidazol-2-yl)propionic acid, a new N,N,O ligand suitable for copolymerisation. <i>Inorganica Chimica Acta</i> , 2011, 374, 392-405.	2.4	13
56	Chiral Rhenium Complexes of Functionalized Thioaldehydes. <i>European Journal of Inorganic Chemistry</i> , 1999, 1999, 1435-1443.	2.0	11
57	Two New Imidazole-Based Heteroscorpionate Ligands. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 3960-3965.	2.0	11
58	Syntheses and structures of mononuclear manganese(II) complexes bearing bis(1-methylimidazol-2-yl)ketone ligands. <i>Inorganica Chimica Acta</i> , 2009, 362, 2678-2685.	2.4	11
59	Bis(pyrazol-1-yl)acetic Acid Bearing Ferrocenyl Substituents. <i>Organometallics</i> , 2013, 32, 5935-5945.	2.3	11
60	Synthesis of Chiral Rhenium Complexes Containing Functionalized Thiolate Ligands. <i>European Journal of Inorganic Chemistry</i> , 1998, 1998, 2055-2061.	2.0	10
61	Chiral Ruthenium "Sulfene Complexes" Synthesis and C-C Coupling Reactions. <i>European Journal of Inorganic Chemistry</i> , 2000, 2000, 287-297.	2.0	10
62	Allenylidene Complexes Based on Pentacenequinone. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 5181-5186.	2.0	10
63	Carbon-Rich Ruthenium Allenylidene Complexes Bearing Heteroscorpionate Ligands. <i>Organometallics</i> , 2014, 33, 5129-5144.	2.3	10
64	Efficient conversion of alkenes to chlorohydrins by a Ru-based artificial enzyme. <i>Chemical Communications</i> , 2017, 53, 3579-3582.	4.1	10
65	Metal "sulfur d" buffering of the oxidations of metal "thiolate complexes: Photoelectron spectroscopy of (1-5-C5H5)Fe(CO)2SR (SR=SCH3, StBu) and (1-5-C5H5)Re(NO)(PR3)SCH3 (PR3=PiPr3, PPh3). <i>Inorganica Chimica Acta</i> , 2008, 361, 1122-1133.	2.4	9
66	Dinuclear Nitrate Coordination Compounds with Bis(3,5-tert-butylpyrazol-1-yl)Acetate. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 3688-3693.	2.0	8
67	Alkali-Metal-Templated Self-Assembly of Nickel(II) [12-MC-3] Metallacoronates Based on Bis(pyrazol-1-yl)acetato Ligands. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 765-777.	2.0	8
68	Ruthenium Complexes of Thiocinnamaldehydes: Synthesis, Structure, and [4+2]-Cycloaddition Reactions. <i>Chemistry - A European Journal</i> , 2006, 12, 4821-4834.	3.3	7
69	Reduction of obliterative bronchiolitis (OB) by prolyl-hydroxylase-inhibitors activating hypoxia-inducible transcription factors in an experimental mouse model. <i>Transplant Immunology</i> , 2016, 39, 66-73.	1.2	7
70	Homoleptic, di- and trivalent transition metal complexes with monoanionic N,N,O-heteroscorpionate ligands: Potential redox mediators for dye-sensitized solar cells?. <i>Polyhedron</i> , 2017, 125, 34-43.	2.2	7
71	A Mechanistic Rationale Approach Revealed the Unexpected Chemoselectivity of an Artificial Ru-Dependent Oxidase: A Dual Experimental/Theoretical Approach. <i>ACS Catalysis</i> , 2020, 10, 5631-5645.	11.2	7
72	Tuning the Steric and Electronic Properties of Chiral Rhenium Thiolate Complexes. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 1998, 53, 893-899.	0.7	6

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73	Carbon-rich dinuclear ruthenium bisallenylidene complexes. <i>Journal of Organometallic Chemistry</i> , 2016, 821, 122-129.	1.8	6
74	The first carbene-C,N chelate tetracarbonyl dihalogeno and carbene-C,O chelate tetracarbonyl benzochinone tungsten complexes. <i>Journal of Organometallic Chemistry</i> , 2002, 651, 66-71.	1.8	5
75	Structural Insight into the Prolyl Hydroxylase PHD2: A Molecular Dynamics and DFT Study. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 4973-4985.	2.0	5
76	Heteroscorpionate complexes based on bis(3,5-di- <i>tert</i> -butylpyrazol-1-yl)dithioacetate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2013, 69, 981-985.	0.4	5
77	High Resolution Scanning Tunneling Microscopy of a 1D Coordination Polymer with Imidazole-Based <i>N,N,O</i> Ligands on HOPG. <i>Chemistry - A European Journal</i> , 2014, 20, 11863-11869.	3.3	5
78	Carbon-rich cyclopentadienyl ruthenium allenylidene complexes. <i>New Journal of Chemistry</i> , 2016, 40, 6127-6134.	2.8	5
79	An Enantiopure <i>N,N,O</i> Heteroscorpionate Ligand Derived from (â€“)â€Menthone. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013, 639, 1433-1437.	1.2	4
80	1D Chains of Diruthenium Tetracarbonyl Sawhorse Complexes. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 54-61.	2.0	4
81	The Isoquinolone Derived Prolyl Hydroxylase Inhibitor ICA Is a Potent Substrate of the Organic Anion Transporters 1 and 3. <i>Nephron</i> , 2015, 131, 285-289.	1.8	3
82	Hexa-peri-hexabenzocoronene decorated with an allenylidene ruthenium complex â€“ almost a flyswatter. <i>Dalton Transactions</i> , 2020, 49, 13134-13141.	3.3	3
83	Metalâ€“organic frameworks constructed with 1,2,4-triazol-1-ylacrylic acid ligand: syntheses and crystal structures. <i>Journal of Coordination Chemistry</i> , 2010, 63, 2831-2845.	2.2	2
84	Battlement-shaped 1D coordination polymer based on a bis(<i>N</i> -methylimidazole-2-yl)butadiyne ligand. <i>CrystEngComm</i> , 2013, 15, 10157.	2.6	2
85	A Fluorescent Benzo[<i>g</i>]isoquinoline-Based HIF Prolyl Hydroxylase Inhibitor for Cellular Imaging. <i>ChemMedChem</i> , 2019, 14, 94-99.	3.2	2
86	Monoanionic <i>N,N,O</i> -Scorpionate Ligands and their Iron(II) and Zinc(II) Complexes: Models for Mononuclear Active Sites of Non-Heme Iron Oxidases and Zinc Enzymes. <i>European Journal of Inorganic Chemistry</i> , 2001, 2001, 521.	2.0	2
87	<i>p</i> -Block Metal complexes with Bis(pyrazol-1-yl)acetato Ligands. <i>Dalton Transactions</i> , 2022, , .	3.3	2
88	Reinvestigation of the Synthesis of Hydroxyâ€“Functionalized Diazapentacene: Unexpected Formation of a Phenoxazinone. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 7068-7074.	2.4	1
89	Bis(4-carboxylpyrazol-1-yl)acetic acid: a scorpionate ligand for complexes with improved water solubility. <i>Dalton Transactions</i> , 2022, 51, 6839-6845.	3.3	1