Anne-Kathrin Duhme-Klair

List of Publications by Year
in descending order

51 papers	1,181 citations	361413 20 h-index	414414 32 g-index

58 all docs	58 docs citations	58 times ranked	1747 citing authors

#	Article	IF	Citations
1	CO2 photoreduction with long-wavelength light: dyads and monomers of zinc porphyrin and rhenium bipyridine. Chemical Communications, 2012, 48, 8189.	4.1	75
2	Î·4-Pyrone iron(0)carbonyl complexes as effective CO-releasing molecules (CO-RMs). Bioorganic and Medicinal Chemistry Letters, 2006, 16, 995-998.	2.2	68
3	Staphyloferrin A as siderophore-component in fluoroquinolone-based Trojan horse antibiotics. Organic and Biomolecular Chemistry, 2013, 11, 3461.	2.8	66
4	Supramolecular interactions between functional metal complexes and proteins. Dalton Transactions, 2009, , 10141.	3.3	64
5	Bacteria in an intense competition for iron: Key component of the Campylobacter jejuni iron uptake system scavenges enterobactin hydrolysis product. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 5850-5855.	7.1	57
6	Chemical and Biological Aspects of Nutritional Immunityâ€"Perspectives for New Antiâ€Infectives that Target Iron Uptake Systems. Angewandte Chemie - International Edition, 2017, 56, 14360-14382.	13.8	52
7	An [{Fe(mecam)}2]6â^' Bridge in the Crystal Structure of a Ferric Enterobactin Binding Protein. Angewandte Chemie - International Edition, 2006, 45, 5132-5136.	13.8	51
8	Redox-switchable siderophore anchor enables reversible artificial metalloenzyme assembly. Nature Catalysis, 2018, 1, 680-688.	34.4	51
9	Synthesis, Characterization, Solid-State Structures, and Spectroscopic Properties of Two Catechol-Based Luminescent Chemosensors for Biologically Relevant Oxometalates. Inorganic Chemistry, 2007, 46, 6516-6528.	4.0	50
10	The background, discovery and clinical development of BCR-ABL inhibitors. Drug Discovery Today, 2013, 18, 992-1000.	6.4	47
11	Synthesis, characterisation and antitubercular activities of a series of pyruvate-containing aroylhydrazones and their Cu-complexes. Dalton Transactions, 2012, 41, 9192.	3.3	39
12	Synthesis of citrateâ€"ciprofloxacin conjugates. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 1496-1498.	2.2	32
13	Controlled Synthesis of Optically Active Polyaniline Nanorods and Nanostructured Gold Microspheres Using Tetrachloroaurate as an Efficient Oxidant of Aniline. Macromolecules, 2008, 41, 3417-3421.	4.8	31
14	Stereoselectivity in the Formation of a Cyclic Trinuclearcis-Dioxomolybdenum(VI) Complex of a Chiral Siderophore Analogue. Angewandte Chemie - International Edition, 2000, 39, 1626-1628.	13.8	29
15	Inhibition of Xanthine Oxidase by Thiosemicarbazones, Hydrazones and Dithiocarbazates Derived from Hydroxyâ€Substituted Benzaldehydes. ChemMedChem, 2011, 6, 1107-1118.	3.2	29
16	The First ?6-Peroxide Transition-Metal Complex: [Ni8(L)12(O2)]2+. Angewandte Chemie - International Edition, 2005, 44, 1392-1395.	13.8	26
17	Interactions of a Periplasmic Binding Protein with a Tetradentate Siderophore Mimic. Angewandte Chemie - International Edition, 2013, 52, 4595-4598.	13.8	23
18	Nanocomposite hydrogelsâ€"Controlled synthesis of chiral polyaniline nanofibers and their inclusion in agarose. Synthetic Metals, 2009, 159, 2135-2140.	3.9	21

#	Article	IF	Citations
19	Probing linker design in citric acidâ€“ciprofloxacin conjugates. Bioorganic and Medicinal Chemistry, 2014, 22, 4499-4505.	3.0	21
20	From Siderophores and Selfâ€Assembly to Luminescent Sensors: The Binding of Molybdenum by Catecholamides. European Journal of Inorganic Chemistry, 2009, 2009, 3689-3701.	2.0	20
21	Manganese Carbonyl Compounds Reveal Ultrafast Metalâ€“Solvent Interactions. Organometallics, 2019, 38, 2391-2401.	2.3	20
22	A Salmochelin S4-Inspired Ciprofloxacin Trojan Horse Conjugate. ACS Infectious Diseases, 2020, 6, 2532-2541.	3.8	19
23	Selective signalling of molybdate by a siderophore derivativeâ€. Dalton Transactions RSC, 2001, , 2327-2329.	2.3	18
24	Synthesis and characterisation of cis-dioxomolybdenum(vi) complexes of N-substituted 3-hydroxy-2-pyridinonesElectronic supplementary information (ESI) available: ORTEP plot and structural details of [MoO2(Lb)2]. See http://www.rsc.org/suppdata/dt/b4/b407221a/. Dalton Transactions, 2004, , 2458.	3.3	17
25	A Metal-Based Lumophore Tailored To Sense Biologically Relevant Oxometalates. Angewandte Chemie - International Edition, 2005, 44, 1712-1714.	13.8	17
26	Synthesis, Activity Testing and Molybdenum(VI) Complexation of Schiff Bases Derived from 2,4,6â€Trihydroxybenzaldehyde Investigated as Xanthine Oxidase Inhibitors. ChemMedChem, 2011, 6, 612-616.	3.2	16
27	Electronic Fineâ€Tuning of Oxygen Atom Transfer Reactivity of cisâ€Dioxomolybdenum(VI) Complexes with Thiosemicarbazone Ligands. European Journal of Inorganic Chemistry, 2015, 2015, 3562-3571.	2.0	16
28	Interactions of the periplasmic binding protein CeuE with Fe(III) n-LICAM4â^' siderophore analogues of varied linker length. Scientific Reports, 2017, 7, 45941.	3.3	16
29	Electrochemistry of molybdenum(VI)â€“catecholamide siderophore complexes in aqueous solution. Inorganica Chimica Acta, 2003, 351, 150-158.	2.4	15
30	Atropisomerisation in sterically hindered Î±,Î²-disubstituted cyclopentenones derived from an intermolecular cobalt(0)-mediated Pausonâ€“Khand reaction. Organic and Biomolecular Chemistry, 2010, 8, 5398.	2.8	13
31	The Pneumococcal Iron Uptake Protein A (PiuA) Specifically Recognizes Tetradentate FeIIIbis- and Mono-Catechol Complexes. Journal of Molecular Biology, 2020, 432, 5390-5410.	4.2	13
32	Experimental Methods for Evaluating the Bacterial Uptake of Trojan Horse Antibacterials. ChemMedChem, 2021, 16, 1063-1076.	3.2	12
33	Carbon Nitride as a Ligand: Selective Hydrogenation of Terminal Alkenes Using [(Î·⁵â€C₅Me₅)IrCl(gâ€C₃N₄â€Î²²N,Nâ€™-12</sub>)]Cl. Chemistry - A European Journal, 2020, 26, 6862-6868.	3.8	12
34	Solution structural studies of molybdateâ€“nucleotide polyanions. Journal of Inorganic Biochemistry, 2002, 88, 274-283.	3.5	11
35	Intermolecular Sensitization of a Terbiumâ€Containing Amphiphile by an Integral Membrane Protein. Angewandte Chemie - International Edition, 2008, 47, 8856-8858.	13.8	11
36	Carbon nitride as a ligand: edge-site coordination of ReCl(CO)₃-fragments to g-C₃N₄. Chemical Communications, 2019, 55, 7450-7453.	4.1	10

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37	Design and synthesis of water soluble (metallo)porphyrins with pendant arms: studies of binding to xanthine oxidase. New Journal of Chemistry, 2010, 34, 1125.	2.8	9
38	Light-Induced Activation of a Molybdenum Oxotransferase Model within a Ru(II)â€“Mo(VI) Dyad. Inorganic Chemistry, 2016, 55, 12583-12594.	4.0	9
39	Artificial metalloenzymes: The powerful alliance between protein scaffolds and organometallic catalysts. Current Opinion in Green and Sustainable Chemistry, 2021, 28, 100420.	5.9	9
40	Spectroscopic and Structural Investigations Reveal the Signaling Mechanism of a Luminescent Molybdate Sensor. Inorganic Chemistry, 2011, 50, 1105-1115.	4.0	8
41	Synthesis and Characterization of a Siderophore-based Luminescent Sensor for Molybdate. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2003, 629, 2421-2426.	1.2	7
42	Chemische und biologische Aspekte von â€œNutritional Immunityâ€•â€“ Perspektiven fÃ¼r neue Antiinfektiva mit Fokus auf bakterielle Eisenaufnahmesysteme. Angewandte Chemie, 2017, 129, 14552-14575.	2.0	7
43	Probing Bacterial Uptake of Glycosylated Ciprofloxacin Conjugates. ChemBioChem, 2014, 15, 466-471.	2.6	6
44	Antibiotic-functionalized gold nanoparticles for the detection of active Î²-lactamases. Nanoscale Advances, 2022, 4, 573-581.	4.6	6
45	Mimicking salmochelin S1 and the interactions of its Fe(III) complex with periplasmic iron siderophore binding proteins CeuE and VctP. Journal of Inorganic Biochemistry, 2019, 190, 75-84.	3.5	4
46	Synthesis and biochemical evaluation of cephalosporin analogues equipped with chemical tethers. RSC Advances, 2020, 10, 36485-36494.	3.6	3
47	Artificial imine reductases: developments and future directions. RSC Chemical Biology, 2020, 1, 369-378.	4.1	3
48	1H, 13C, 15N backbone resonance assignments of the apo and holo forms of the ABC transporter solute binding protein PiuA from Streptococcus pneumoniae. Biomolecular NMR Assignments, 2020, 14, 233-238.	0.8	2
49	Unveiling the origin of photo-induced enhancement of oxidation catalysis at Mo(<scp>vi</scp>) centres of Ru(<scp>ii</scp>)â€“Mo(<scp>vi</scp>) dyads. Chemical Communications, 2021, 57, 4142-4145.	4.1	2
50	Synthesis of a cholesterol-appended Tbâ€“DTPA complex by combined removal of tert-Butyl protecting groups and complexation of terbium(III). Tetrahedron Letters, 2011, 52, 4515-4517.	1.4	1
51	Cover Picture: The First ?6-Peroxide Transition-Metal Complex: [Ni8(L)12(O2)]2+ (Angew. Chem. Int. Ed.) Tj ETQq1 1 0.784314 rgBT /Ov	13.8	0