

Anne-Kathrin Duhme-Klair

List of Publications by Year in descending order

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51
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citations

361413

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1747
citing authors

#	ARTICLE	IF	CITATIONS
1	Antibiotic-functionalized gold nanoparticles for the detection of active β -lactamases. <i>Nanoscale Advances</i> , 2022, 4, 573-581.	4.6	6
2	Artificial metalloenzymes: The powerful alliance between protein scaffolds and organometallic catalysts. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2021, 28, 100420.	5.9	9
3	Experimental Methods for Evaluating the Bacterial Uptake of Trojan Horse Antibacterials. <i>ChemMedChem</i> , 2021, 16, 1063-1076.	3.2	12
4	Unveiling the origin of photo-induced enhancement of oxidation catalysis at Mo(ν) centres of Ru(ν)-Mo(ν) dyads. <i>Chemical Communications</i> , 2021, 57, 4142-4145.	4.1	2
5	Synthesis and biochemical evaluation of cephalosporin analogues equipped with chemical tethers. <i>RSC Advances</i> , 2020, 10, 36485-36494.	3.6	3
6	The Pneumococcal Iron Uptake Protein A (PiuA) Specifically Recognizes Tetradentate Fe(III)- and Mono-Catechol Complexes. <i>Journal of Molecular Biology</i> , 2020, 432, 5390-5410.	4.2	13
7	A Salmochelin S4-Inspired Ciprofloxacin Trojan Horse Conjugate. <i>ACS Infectious Diseases</i> , 2020, 6, 2532-2541.	3.8	19
8	^1H , ^{13}C , ^{15}N backbone resonance assignments of the apo and holo forms of the ABC transporter solute binding protein PiuA from <i>Streptococcus pneumoniae</i> . <i>Biomolecular NMR Assignments</i> , 2020, 14, 233-238.	0.8	2
9	Carbon Nitride as a Ligand: Selective Hydrogenation of Terminal Alkenes Using $[(\eta^5\text{-C}_5\text{Me}_5)_2\text{IrCl}(\eta^3\text{-N}_4)]\text{Cl}$. <i>Chemistry - A European Journal</i> , 2020, 26, 6862-6868.	3.1	1
10	Artificial imine reductases: developments and future directions. <i>RSC Chemical Biology</i> , 2020, 1, 369-378.	4.1	3
11	Carbon nitride as a ligand: edge-site coordination of $\text{ReCl}(\text{CO})_3$ -fragments to $\eta^3\text{-C}_3\text{N}_4$. <i>Chemical Communications</i> , 2019, 55, 7450-7453.	4.1	10
12	Manganese Carbonyl Compounds Reveal Ultrafast Metal-Solvent Interactions. <i>Organometallics</i> , 2019, 38, 2391-2401.	2.3	20
13	Mimicking salmochelin S1 and the interactions of its Fe(III) complex with periplasmic iron siderophore binding proteins CeuE and VctP. <i>Journal of Inorganic Biochemistry</i> , 2019, 190, 75-84.	3.5	4
14	Redox-switchable siderophore anchor enables reversible artificial metalloenzyme assembly. <i>Nature Catalysis</i> , 2018, 1, 680-688.	34.4	51
15	Chemische und biologische Aspekte von "Nutritional Immunity" Perspektiven für neue Antiinfektiva mit Fokus auf bakterielle Eisenaufnahmesysteme. <i>Angewandte Chemie</i> , 2017, 129, 14552-14575.	2.0	7
16	Chemical and Biological Aspects of Nutritional Immunity" Perspectives for New Anti-Infectives that Target Iron Uptake Systems. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14360-14382.	13.8	52
17	Interactions of the periplasmic binding protein CeuE with Fe(III) n-LICAM4' siderophore analogues of varied linker length. <i>Scientific Reports</i> , 2017, 7, 45941.	3.3	16
18	Bacteria in an intense competition for iron: Key component of the <i>Campylobacter jejuni</i> iron uptake system scavenges enterobactin hydrolysis product. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 5850-5855.	7.1	57

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19	Light-Induced Activation of a Molybdenum Oxotransferase Model within a Ru(II)–Mo(VI) Dyad. <i>Inorganic Chemistry</i> , 2016, 55, 12583-12594.	4.0	9
20	Electronic Fine-Tuning of Oxygen Atom Transfer Reactivity of <i>cis</i> -Dioxomolybdenum(VI) Complexes with Thiosemicarbazone Ligands. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 3562-3571.	2.0	16
21	Probing Bacterial Uptake of Glycosylated Ciprofloxacin Conjugates. <i>ChemBioChem</i> , 2014, 15, 466-471.	2.6	6
22	Probing linker design in citric acid–ciprofloxacin conjugates. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 4499-4505.	3.0	21
23	Interactions of a Periplasmic Binding Protein with a Tetradentate Siderophore Mimic. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 4595-4598.	13.8	23
24	Staphyloferrin A as siderophore-component in fluoroquinolone-based Trojan horse antibiotics. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 3461.	2.8	66
25	The background, discovery and clinical development of BCR-ABL inhibitors. <i>Drug Discovery Today</i> , 2013, 18, 992-1000.	6.4	47
26	CO ₂ photoreduction with long-wavelength light: dyads and monomers of zinc porphyrin and rhenium bipyridine. <i>Chemical Communications</i> , 2012, 48, 8189.	4.1	75
27	Synthesis, characterisation and antitubercular activities of a series of pyruvate-containing aroylhydrazones and their Cu-complexes. <i>Dalton Transactions</i> , 2012, 41, 9192.	3.3	39
28	Spectroscopic and Structural Investigations Reveal the Signaling Mechanism of a Luminescent Molybdate Sensor. <i>Inorganic Chemistry</i> , 2011, 50, 1105-1115.	4.0	8
29	Synthesis, Activity Testing and Molybdenum(VI) Complexation of Schiff Bases Derived from 2,4,6-Trihydroxybenzaldehyde Investigated as Xanthine Oxidase Inhibitors. <i>ChemMedChem</i> , 2011, 6, 612-616.	3.2	16
30	Inhibition of Xanthine Oxidase by Thiosemicarbazones, Hydrazones and Dithiocarbazates Derived from Hydroxy-Substituted Benzaldehydes. <i>ChemMedChem</i> , 2011, 6, 1107-1118.	3.2	29
31	Synthesis of a cholesterol-appended Tb–DTPA complex by combined removal of tert-Butyl protecting groups and complexation of terbium(III). <i>Tetrahedron Letters</i> , 2011, 52, 4515-4517.	1.4	1
32	Design and synthesis of water soluble (metallo)porphyrins with pendant arms: studies of binding to xanthine oxidase. <i>New Journal of Chemistry</i> , 2010, 34, 1125.	2.8	9
33	Atropisomerisation in sterically hindered 1,2-disubstituted cyclopentenones derived from an intermolecular cobalt(0)-mediated Pauson–Khand reaction. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 5398.	2.8	13
34	From Siderophores and Self-Assembly to Luminescent Sensors: The Binding of Molybdenum by Catecholamides. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 3689-3701.	2.0	20
35	Synthesis of citrate–ciprofloxacin conjugates. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 1496-1498.	2.2	32
36	Nanocomposite hydrogels–Controlled synthesis of chiral polyaniline nanofibers and their inclusion in agarose. <i>Synthetic Metals</i> , 2009, 159, 2135-2140.	3.9	21

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37	Supramolecular interactions between functional metal complexes and proteins. Dalton Transactions, 2009, , 10141.	3.3	64
38	Intermolecular Sensitization of a Terbium-Containing Amphiphile by an Integral Membrane Protein. Angewandte Chemie - International Edition, 2008, 47, 8856-8858.	13.8	11
39	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
40	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
41	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
42	An $[Fe(mecam)_2]^{6+}$ Bridge in the Crystal Structure of a Ferric Enterobactin Binding Protein. Angewandte Chemie - International Edition, 2006, 45, 5132-5136.	13.8	51
43	The First η^6 -Peroxide Transition-Metal Complex: $[Ni_8(L)_{12}(O_2)]^{2+}$. Angewandte Chemie - International Edition, 2005, 44, 1392-1395.	13.8	26
44	A Metal-Based Lumophore Tailored To Sense Biologically Relevant Oxometalates. Angewandte Chemie - International Edition, 2005, 44, 1712-1714.	13.8	17
45	Cover Picture: The First η^6 -Peroxide Transition-Metal Complex: $[Ni_8(L)_{12}(O_2)]^{2+}$ (Angew. Chem. Int. Ed.)	13.8	14
46	Synthesis and characterisation of cis-dioxomolybdenum(vi) complexes of N-substituted 3-hydroxy-2-pyridinones. Electronic supplementary information (ESI) available: ORTEP plot and structural details of $[MoO_2(Lb)_2]$. See http://www.rsc.org/suppdata/dt/b4/b407221a/ . Dalton Transactions, 2004, , 2458.	3.3	17
47	Electrochemistry of molybdenum(VI)-catecholamide siderophore complexes in aqueous solution. Inorganica Chimica Acta, 2003, 351, 150-158.	2.4	15
48	Synthesis and Characterization of a Siderophore-based Luminescent Sensor for Molybdate. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2003, 629, 2421-2426.	1.2	7
49	Solution structural studies of molybdate-nucleotide polyanions. Journal of Inorganic Biochemistry, 2002, 88, 274-283.	3.5	11
50	Selective signalling of molybdate by a siderophore derivative. Dalton Transactions RSC, 2001, , 2327-2329.	2.3	18
51	Stereoselectivity in the Formation of a Cyclic Trinuclear-cis-Dioxomolybdenum(VI) Complex of a Chiral Siderophore Analogue. Angewandte Chemie - International Edition, 2000, 39, 1626-1628.	13.8	29