# Rudi van Eldik

List of Publications by Year
in descending order



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|---|---|---|---|
| 347 papers | 9,029 citations | 44069 48 h-index | 88630 70 g-index |
| 386 all docs | 386 docs citations | 386 times ranked | 6880 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | A theoretical mechanistic study of [Kâ€‰âŠ‚â€‰[2.2.2]]<sup>+</sup> enantiomerization. Journal of Physical Organic Chemistry, 2022, 35, e4289. | 1.9 | 2 |
| 2 | Inhaled silica nanoparticles exacerbate atherosclerosis through skewing macrophage polarization towards M1 phenotype. Ecotoxicology and Environmental Safety, 2022, 230, 113112. | 6.0 | 9 |
| 3 | Investigation of water substitution at <scp>Ru<sup>II</sup></scp> complexes by conceptual <scp>density function theory</scp> approach. Journal of Computational Chemistry, 2022, 43, 1161-1175. | 3.3 | 2 |
| 4 | Oxidoreductase mimicking activity of Ru(edta) complexes in conversion of NAD coenzymes. Polyhedron, 2022, 221, 115872. | 2.2 | 3 |
| 5 | BSA Interaction, Molecular Docking, and Antibacterial Activity of Zinc(II) Complexes Containing the Sterically Demanding Biomimetic N3S2 Ligand: The Effect of Structure Flexibility. Molecules, 2022, 27, 3543. | 3.8 | 4 |
| 6 | Influence of modified nano-copper oxide particles on the reaction between nitrocobalamin and ascorbic acid. Polyhedron, 2022, 223, 115942. | 2.2 | 1 |
| 7 | Mixed-valence outer-sphere RuII/RuIII ion-pair complexes. Synthesis, experimental, and theoretical studies. Polyhedron, 2022, 223, 115939. | 2.2 | 2 |
| 8 | Tuning the lability of a series of Ru(II) polypyridyl complexes: a comparison of experimental-kinetic and DFT-predicted reaction mechanisms. Journal of Coordination Chemistry, 2021, 74, 433-443. | 2.2 | 3 |
| 9 | Ru<sup>III</sup>(edta) complexes as molecular redox catalysts in chemical and electrochemical reduction of dioxygen and hydrogen peroxide: inner-sphere versus outer-sphere mechanism. RSC Advances, 2021, 11, 21359-21366. | 3.6 | 7 |
| 10 | [3.2.1] and [4.1.1] isomers of Lehn's [2.2.2] Cryptand: Prediction of ion selectivity by quantum chemical calculations XV**. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 915-921. | 1.2 | 3 |
| 11 | Physicochemical Analysis of Water Extracts of Particulate Matter from Polluted Air in the Area of KrakÃ³w, Poland. Atmosphere, 2021, 12, 565. | 2.3 | 4 |
| 12 | Electrochemistry of Ru(edta) complexes relevant to small molecule transformations: Catalytic implications and challenges. Coordination Chemistry Reviews, 2021, 436, 213773. | 18.8 | 10 |
| 13 | Ligand-Tuning of the Stability of Pd(II) Conjugates with Cyanocobalamin. International Journal of Molecular Sciences, 2021, 22, 7973. | 4.1 | 4 |
| 14 | Influence of Krakow Winter and Summer Dusts on the Redox Cycling of Vitamin B12a in the Presence of Ascorbic Acid. Atmosphere, 2021, 12, 1050. | 2.3 | 2 |
| 15 | Metabolic Response of RAW 264.7 Macrophages to Exposure to Crude Particulate Matter and a Reduced Content of Organic Matter. Toxics, 2021, 9, 205. | 3.7 | 3 |
| 16 | High-Pressure Mechanistic Insight into Bioinorganic NO Chemistry. Molecules, 2021, 26, 4947. | 3.8 | 1 |
| 17 | Experimental and Computational Insight into the Mechanism of NO Binding to Ferric Microperoxidase. The Likely Role of Tautomerization to Account for the pH Dependence. Inorganic Chemistry, 2021, 60, 15948-15967. | 4.0 | 4 |
| 18 | Generation and photogeneration of hydroxyl radicals and singlet oxygen by particulate matter and its inorganic components. Journal of Environmental Chemical Engineering, 2021, 9, 106478. | 6.7 | 8 |

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| 19 | Reaction mechanisms relevant to the formation and utilization of [Ru(edta)(NO)] complexes in aqueous media. Journal of Inorganic Biochemistry, 2021, 225, 111595. | 3.5 | 6 |
| 20 | Mechanistic Studies on the Reaction between Aquacobalamin and the HNO Donor Pilotyâ€™s Acid over a Wide pH Range in Aqueous Solution. Inorganic Chemistry, 2021, 60, 2964-2975. | 4.0 | 10 |
| 21 | The self-assembled, atomically defined, flexible and highly tunable bilayered Au/L-cysteine/Cu(II/I) junctions capable of voltage-gated coherent multiple electron/hole exchange. Nano Futures, 2021, 5, 015001. | 2.2 | 1 |
| 22 | Chlorophyll a Ï€â€Cation Radical as Redox Mediator in Superoxide Dismutase (SOD) Mimetics. ChemPhysChem, 2021, 22, 344-348. | 2.1 | 2 |
| 23 | Mechanistic details of the catalytic degradation of methylene blue by hydrogen peroxide in basic solution. The unexpected innocence of percarbonate. Polyhedron, 2021, 210, 115507. | 2.2 | 4 |
| 24 | Renaissance in NO Chemistry. Inorganic Chemistry, 2021, 60, 15831-15834. | 4.0 | 5 |
| 25 | Probing the interaction of iron complex containing N3S2 macrocyclic ligand with bovine serum albumin using spectroscopic techniques. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 228, 117811. | 3.9 | 8 |
| 26 | Noble guests in organic cages â€“ encapsulation of noble gases by cryptophane. Journal of Coordination Chemistry, 2020, 73, 2602-2612. | 2.2 | 5 |
| 27 | The influence of the bridgehead in Saalfrank-type cryptands: prediction of ion selectivity by quantum chemical calculations XIIâ€. Journal of Coordination Chemistry, 2020, 73, 1701-1711. | 2.2 | 1 |
| 28 | Inorganic reaction mechanisms. A personal journey. Dalton Transactions, 2020, 49, 4599-4659. | 3.3 | 9 |
| 29 | Influence of aqueous extracts of urban airborne particulate matter on the structure and function of human serum albumin. Environmental Pollution, 2020, 263, 114667. | 7.5 | 9 |
| 30 | A Kinetic Study on the Efficient Formation of High-Valent Mn(TPPS)-oxo Complexes by Various Oxidants. Catalysts, 2020, 10, 610. | 3.5 | 2 |
| 31 | Kinetics, mechanism and density functional theory calculations on base hydrolysis of Î±-amino acid esters catalyzed by [Pd(AEMP)(H2O)2]2+ (AEMPâ€‰=â€‰2-(2-aminoethyl)-1-methylpyrrolidine). Reaction Kinetics, Mechanisms and Catalysis, 2020, 129, 613-626. | 1.7 | 0 |
| 32 | Steric and electronic tuning of the reactivity of [RuII(terpy)(N^N)Cl]Cl complexes. Inorganica Chimica Acta, 2020, 504, 119449. | 2.4 | 14 |
| 33 | Characterization of a Mixed-Valence Ru(II)/Ru(III) Ion-Pair Complex. Unexpected High-Frequency Electron Paramagnetic Resonance Evidence for Ru(III)â€“Ru(III) Dimer Coupling. Inorganic Chemistry, 2020, 59, 8609-8619. | 4.0 | 8 |
| 34 | Can a Nonorganometallic Ruthenium(II) Polypyridylamine Complex Catalyze Hydride Transfer? Mechanistic Insight from Solution Kinetics on the Reduction of Coenzyme NAD<sup>+</sup> by Formate. Inorganic Chemistry, 2020, 59, 14944-14953. | 4.0 | 5 |
| 35 | Electron Transfer Reactions of RuIII(edta) Containing the N-Heterocyclic Ligand Pyrazine: Kinetic and Mechanistic Studies. Macroheterocycles, 2020, 13, 193-200. | 0.5 | 7 |
| 36 | Host-guest complexes of the Beer-Can-cryptand: prediction of ion selectivity by quantum chemical calculations XI. Journal of Coordination Chemistry, 2019, 72, 2106-2114. | 2.2 | 8 |

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| 37 | Mechanistic insight on the chemistry of potential Pt antitumor agents as revealed by collaborative research performed in Kragujevac and Erlangen. Inorganica Chimica Acta, 2019, 495, 118953. | 2.4 | 8 |
| 38 | Studies on Pd(1,4-bis(2-hydroxyethyl)piperazine)-dicarboxylic acid complexes as models for carboplatin with structural features enhancing the interaction with DNA. Journal of Coordination Chemistry, 2019, 72, 2035-2049. | 2.2 | 5 |
| 39 | RuIII(edta)-mediated interaction of nitrite and sulphide: formation of an N-bonded thionitrous acid (HSNO) complex of RuIII(edta) in aqueous solution. New Journal of Chemistry, 2019, 43, 15311-15315. | 2.8 | 3 |
| 40 | Mechanistic Studies on the Reaction of [FeIII (edta)(H2 O)]- with Piloty‚Äôs Acid as Source for HNO. European Journal of Inorganic Chemistry, 2019, 2019, 2735-2741. | 2.0 | 1 |
| 41 | Host‚ÄìGuest Complexes of Dodeka(ethylene)octamine: Prediction of Ion Selectivity by Quantum Chemical Calculations IX. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2019, 645, 701-705. | 1.2 | 7 |
| 42 | Nitrosyl- versus nitroxyl-cobalamin?. Journal of Biological Inorganic Chemistry, 2019, 24, 311-313. | 2.6 | 4 |
| 43 | Reaction of [Ru<sup>III</sup>(EDTA)(H<sub>2</sub>O/OH)]<sup>â^'/2â^'</sup> with bisulfide and persulfide in aqueous solution: kinetic and mechanistic studies. Journal of Coordination Chemistry, 2019, 72, 2904-2915. | 2.2 | 0 |
| 44 | Urban Particulate Matter‚Äìinduced Decomposition of S‚ÄìNitrosoglutathione Relevant to Aberrant Nitric Oxide Biological Signaling. ChemSusChem, 2019, 12, 661-671. | 6.8 | 7 |
| 45 | Square planar versus square pyramidal copper(II) complexes containing N3O moiety: Synthesis, structural characterization, kinetic and catalytic mimicking activity. Inorganica Chimica Acta, 2019, 486, 608-616. | 2.4 | 21 |
| 46 | Prediction of ion selectivity by quantum chemical calculations X: A recent (personal) review. Advances in Inorganic Chemistry, 2019, 73, 445-505. | 1.0 | 9 |
| 47 | The Influence of Redox‚ÄêActive Transition Metal Containing Micro‚Äê and Nanoparticles on the Properties of Representative Bioinorganic Reaction Systems. European Journal of Inorganic Chemistry, 2018, 2018, 1229-1235. | 2.0 | 6 |
| 48 | Generation of hydroxyl radicals and singlet oxygen by particulate matter and its inorganic components. Environmental Pollution, 2018, 238, 638-646. | 7.5 | 40 |
| 49 | Can nitrocobalamin be reduced by ascorbic acid to nitroxylcobalamin? Some surprising mechanistic findings. Journal of Biological Inorganic Chemistry, 2018, 23, 377-383. | 2.6 | 7 |
| 50 | Spectroscopic Evidence for Ligand Substitution Reactions at the Solid‚Äì“Liquid Interface of a Sub‚Äêmicrometer Gold(I) Carbene Complex. Angewandte Chemie - International Edition, 2018, 57, 663-667. | 13.8 | 2 |
| 51 | Spectroscopic Evidence for Ligand Substitution Reactions at the Solid‚Äì“Liquid Interface of a Sub‚Äêmicrometer Gold(I) Carbene Complex. Angewandte Chemie, 2018, 130, 671-675. | 2.0 | 2 |
| 52 | Activation volumes for cis-to-trans isomerisation reactions of azophenols: a clear mechanistic indicator?. Physical Chemistry Chemical Physics, 2018, 20, 1286-1292. | 2.8 | 15 |
| 53 | Catalytic Degradation of Orange II by MnIII(TPPS) in Basic Hydrogen Peroxide Medium: A Detailed Kinetic Analysis. European Journal of Inorganic Chemistry, 2018, 2018, 3462-3471. | 2.0 | 9 |
| 54 | Systematic tuning of the reactivity of [RuII(terpy)(N^N)Cl]Cl complexes. Journal of Coordination Chemistry, 2018, 71, 1761-1777. | 2.2 | 11 |

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|---|---|---|---|
| 55 | Synthesis, Characterization, Speciation, DNA Cleavage, and Cytotoxic Studies of the Pd[2â€(2â€Aminoethyl)â€1â€methylpyrrolidine]Cl<sub>2</sub> Complex with Reference to Carboplatin. European Journal of Inorganic Chemistry, 2017, 2017, 1877-1887. | 2.0 | 9 |
| 56 | Base hydrolysis of Î±-amino acid esters catalysed by [Pd(N-ethylethylenediamine)(H2O)2]2+. Kinetic study and DFT calculations. Inorganica Chimica Acta, 2017, 458, 181-189. | 2.4 | 2 |
| 57 | Stability and reactivity of gold compounds â€“ From fundamental aspects to applications. Coordination Chemistry Reviews, 2017, 338, 186-206. | 18.8 | 28 |
| 58 | High-nuclearity ruthenium carbonyl cluster chemistry. 9. Ligand substitution at decaruthenium carbonyl clusters. Journal of Organometallic Chemistry, 2017, 849-850, 63-70. | 1.8 | 2 |
| 59 | Redox Equilibration Observed for the Reduction of a Ruthenium(III) Complex by Ascorbate under Lowâ€Drivingâ€Force Conditions. European Journal of Inorganic Chemistry, 2017, 2017, 3275-3284. | 2.0 | 4 |
| 60 | Synthesis, characterization, speciation and biological studies on metal chelates of 1-benzoyl(1,2,4-triazol-3-yl)thiourea. Journal of Coordination Chemistry, 2017, 70, 1761-1775. | 2.2 | 15 |
| 61 | Reversible release of nitric oxide from an iron(II) nitrosyl complex containing a biomimetic S<sub>4</sub>N chelate. A facile release of nitric oxide. Journal of Coordination Chemistry, 2017, 70, 1713-1722. | 2.2 | 5 |
| 62 | Chemical composition of submicron and fine particulate matter collected in Krakow, Poland. Consequences for the APARIC project. Chemosphere, 2017, 187, 430-439. | 8.2 | 42 |
| 63 | RuIII(EDTA) mediated activation of redox signalling molecules. Coordination Chemistry Reviews, 2017, 349, 129-138. | 18.8 | 5 |
| 64 | Structure and reactivity of [Ru<sup>II</sup>(terpy)(N^N)Cl]Cl complexes: consequences for biological applications. Dalton Transactions, 2017, 46, 10264-10280. | 3.3 | 24 |
| 65 | Formation of [Ru<sup>III</sup>(edta)(SNO)]<sup>2â€“</sup> in Ru<sup>III</sup>(edta)-Mediated S-Nitrosylation of Bisulfide Ion. Inorganic Chemistry, 2016, 55, 5037-5040. | 4.0 | 15 |
| 66 | Mineral Precipitation Kinetics: Assessing the Effect of Hydrostatic Pressure and Its Implication on the Nucleation Mechanism. Crystal Growth and Design, 2016, 16, 4846-4854. | 3.0 | 12 |
| 67 | Mechanistic Complications Caused by Redox Equilibration: Ascorbate Reduction of a Ruthenium(III) Complex under Low Driving Force Conditions. European Journal of Inorganic Chemistry, 2016, 2016, 5380-5386. | 2.0 | 6 |
| 68 | Hostâ€Guest Complexes of [TriPip222], the Piperazine Analogue of [2.2.2]: Prediction of Ion Selectivity by Quantum Chemical Calculations VIII<sup>[#]</sup>. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2016, 642, 395-402. | 1.2 | 9 |
| 69 | Synthesis and detailed characterization of cis-dichloridobispicolinatoruthenate(III) as solid and in solution. Journal of Coordination Chemistry, 2016, 69, 2107-2120. | 2.2 | 9 |
| 70 | Mechanistic studies on versatile metal-assisted hydrogen peroxide activation processes for biomedical and environmental incentives. Coordination Chemistry Reviews, 2016, 327-328, 143-165. | 18.8 | 57 |
| 71 | Redox cycling in the activation of peroxides by iron porphyrin and manganese complexes. â€˜Catchingâ€™ catalytic active intermediates. Coordination Chemistry Reviews, 2016, 306, 483-509. | 18.8 | 63 |
| 72 | Synthesis, X-ray structure, DFT and thermodynamic studies of mono- and binuclear palladium(II) complexes involving 1,4-bis(2-hydroxyethyl)piperazine, bio-relevant ligands and 4,4â€²-bipiperidine. Journal of Coordination Chemistry, 2016, 69, 522-540. | 2.2 | 17 |

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|---|---|---|---|
| 73 | Spectroscopic and Kinetic Evidence for the Crucial Role of Compoundâ€…0 in the P450<sub>cam</sub>â€Catalyzed Hydroxylation of Camphor by Hydrogen Peroxide. Chemistry - A European Journal, 2015, 21, 15201-15210. | 3.3 | 7 |
| 74 | Kinetics, mechanism and equilibrium studies on the substitution reactions of Pd(II) in reference to Pt(II) complexes with bio-molecules. Coordination Chemistry Reviews, 2015, 292, 91-106. | 18.8 | 71 |
| 75 | Preparation of candidate reference materials for the determination of phosphorus containing flame retardants in styrene-based polymers. Analytical and Bioanalytical Chemistry, 2015, 407, 3023-3034. | 3.7 | 4 |
| 76 | Spectroscopic, thermodynamic, kinetic studies and oxidase/antioxidant biomimetic catalytic activities of tris(3,5-dimethylpyrazolyl)borate Cu(<scp>ii</scp>) complexes. Dalton Transactions, 2015, 44, 14110-14121. | 3.3 | 26 |
| 77 | Electron transfer with self-assembled copper ions at Au-deposited biomimetic films: mechanistic â€˜anomaliesâ€™ disclosed by temperature- and pressure-assisted fast-scan voltammetry. Journal Physics D: Applied Physics, 2015, 48, 255402. | 2.8 | 5 |
| 78 | Studies on the Reaction of Iron(II) with NO in a Noncoordinating Ionic Liquid. Inorganic Chemistry, 2015, 54, 6763-6775. | 4.0 | 18 |
| 79 | Fine tuning of copper(<scp>ii</scp>)â€“chlorophyll interactions in organic media. Metalation versus oxidation of the macrocycle. Dalton Transactions, 2015, 44, 6012-6022. | 3.3 | 9 |
| 80 | Amine-bridged binuclear complexes involving [Pd(ethylenediamine)(H<sub>2</sub>O)<sub>2</sub>]<sup>2+</sup>, 4,4â€²-bipiperidine and DNA constituents. Journal of Coordination Chemistry, 2015, 68, 2041-2053. | 2.2 | 4 |
| 81 | Drug Metabolism by Cytochrome P450 Enzymes: What Distinguishes the Pathways Leading to Substrate Hydroxylation Over Desaturation?. Chemistry - A European Journal, 2015, 21, 9083-9092. | 3.3 | 116 |
| 82 | Iron(II) complexes containing the 2,6-bis-iminopyridyl moiety. Synthesis, characterization, reactivity, and DNA binding. Journal of Coordination Chemistry, 2015, 68, 2054-2064. | 2.2 | 8 |
| 83 | Mechanistic information on the nitrite-controlled reduction of aquacob(III)alamin by ascorbate at physiological pH. Journal of Biological Inorganic Chemistry, 2015, 20, 1069-1078. | 2.6 | 11 |
| 84 | Metal-Assisted Activation of Nitric Oxideâ€”Mechanistic Aspects of Complex Nitrosylation Processes. Advances in Inorganic Chemistry, 2015, 67, 171-241. | 1.0 | 7 |
| 85 | Direct evidence for catalase activity of [RuV(edta)(O)]â˜. Chemical Communications, 2014, 50, 14562-14565. | 4.1 | 9 |
| 86 | HCN exchange on [Cu(HCN)4]+: a quantum chemical investigation. Journal of Coordination Chemistry, 2014, 67, 2185-2194. | 2.2 | 0 |
| 87 | Behavior of Highly Diluted Electrolytes in Strong Electric Fieldsâ€”Prevention of Alumina Deposition on Grading Electrodes in HVDC Transmission Modules by CO<sub>2</sub>â€induced pHâ€Control. Chemistry - A European Journal, 2014, 20, 12091-12103. | 3.3 | 15 |
| 88 | Substitution versus redox reactions of gold(<scp>iii</scp>) complexes with <scp>l</scp>-cysteine, <scp>l</scp>-methionine and glutathione. Dalton Transactions, 2014, 43, 3911-3921. | 3.3 | 47 |
| 89 | Kinetics and Mechanism of the Reaction of Hydrogen Sulfide with Cobalamin in Aqueous Solution. European Journal of Inorganic Chemistry, 2014, 2014, 852-862. | 2.0 | 27 |
| 90 | Quantum chemical investigations of the water exchange mechanism on [AlIII(H2O)5(L)]2+ as a function of the donor strength of the anionic L. Journal of Molecular Modeling, 2014, 20, 2083. | 1.8 | 1 |

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| 91 | Kinetics and Mechanism of the Reduction of merâ€Trisâ€picolinatoruthenium(III) by <scp>L</scp>â€Ascorbic Acid. European Journal of Inorganic Chemistry, 2014, 2014, 2529-2535. | 2.0 | 10 |
| 92 | Baseâ€Catalyzed Hydrolysis of a Ru<sup>II</sup>â€“Chloroâ€“dmso Complex and Its Reactivity towards <scp>L</scp>â€Methionine. European Journal of Inorganic Chemistry, 2014, 2014, 1333-1344. | 2.0 | 4 |
| 93 | Long-Range Electron Transfer with Myoglobin Immobilized at Au/Mixed-SAM Junctions: Mechanistic Impact of the Strong Protein Confinement. Journal of Physical Chemistry B, 2014, 118, 692-706. | 2.6 | 13 |
| 94 | Mechanism of tetrachloroplatinate(<scp>ii</scp>) oxidation by hydrogen peroxide in hydrochloric acid solution. Dalton Transactions, 2014, 43, 6308-6314. | 3.3 | 16 |
| 95 | RuIII(edta) mediated oxidation of azide in the presence of hydrogen peroxide. Azide versus peroxide activation. Dalton Transactions, 2014, 43, 3087-3094. | 3.3 | 8 |
| 96 | RuIII(EDTA) mediated S-nitrosylation of cysteine by nitrite. Dalton Transactions, 2014, 43, 18042-18046. | 3.3 | 7 |
| 97 | Kinetics and Mechanism of the Reaction of Hydrogen Sulfide with Diaquacobinamide in Aqueous Solution. European Journal of Inorganic Chemistry, 2014, 2014, 4123-4133. | 2.0 | 35 |
| 98 | Elucidation of inorganic reaction mechanisms in ionic liquids: the important role of solvent donor and acceptor properties. Dalton Transactions, 2014, 43, 15675-15692. | 3.3 | 23 |
| 99 | Host-guest complexes of calix[4]tubes - prediction of ion selectivity by quantum chemical calculations VI. Journal of Molecular Modeling, 2014, 20, 2200. | 1.8 | 18 |
| 100 | Studies on the reactions of [AuCl<sub>4</sub>]<sup>â^'</sup> with different nucleophiles in aqueous solution. Dalton Transactions, 2014, 43, 8620-8632. | 3.3 | 41 |
| 101 | Temperature and Pressure Effects on Câ€“H Abstraction Reactions Involving Compound I and II Mimics in Aqueous Solution. Inorganic Chemistry, 2014, 53, 2848-2857. | 4.0 | 22 |
| 102 | Mechanistic Insight into Peroxoâ€Shunt Formation of Biomimetic Models for Compoundâ€…II, Their Reactivity toward Organic Substrates, and the Influence of Nâ€Methylimidazole Axial Ligation. Chemistry - A European Journal, 2014, 20, 2328-2343. | 3.3 | 17 |
| 103 | Combined Experimental and Theoretical Study on the Reactivity of Compounds I and II in Horseradish Peroxidase Biomimetics. Chemistry - A European Journal, 2014, 20, 14437-14450. | 3.3 | 33 |
| 104 | Analysis of flame retardants and elements of concern in printed wiring boards with respect to origin and year of construction. Analytical and Bioanalytical Chemistry, 2013, 405, 7215-7229. | 3.7 | 5 |
| 105 | Electron transfer with azurin at Auâ€“SAM junctions in contact with a protic ionic melt: impact of glassy dynamics. Physical Chemistry Chemical Physics, 2013, 15, 16515. | 2.8 | 11 |
| 106 | Kinetic and mechanistic studies on reactions of diruthenium(ii,iii) with biologically relevant reducing agents. Dalton Transactions, 2013, 42, 16796. | 3.3 | 27 |
| 107 | Coordination of Terpyridine to Li<sup>+</sup> in Two Different Ionic Liquids. Inorganic Chemistry, 2013, 52, 13167-13178. | 4.0 | 8 |
| 108 | Manganese Compounds as Versatile Catalysts for the Oxidative Degradation of Organic Dyes. Advances in Inorganic Chemistry, 2013, , 165-215. | 1.0 | 13 |

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| 109 | Simplicity within the complexity: Bilateral impact of DMSO on the functional and unfolding patterns of Î±-chymotrypsin. Biophysical Chemistry, 2013, 175-176, 17-27. | 2.8 | 16 |
| 110 | Factors That Determine the Mechanism of NO Activation by Metal Complexes of Biological and Environmental Relevance. European Journal of Inorganic Chemistry, 2013, 2013, 460-480. | 2.0 | 26 |
| 111 | Solvent and Pressure Effects on the Motions of Encapsulated Guests: Tuning the Flexibility of a Supramolecular Host. Journal of the American Chemical Society, 2013, 135, 4299-4306. | 13.7 | 44 |
| 112 | Selective oxidation of thiourea with H2O2 catalyzed by [RuIII(edta)(H2O)]â^': kinetic and mechanistic studies. Dalton Transactions, 2013, 42, 4725. | 3.3 | 22 |
| 113 | Substrate versus oxidant activation in RuIII(edta) catalyzed dye degradation. RSC Advances, 2013, 3, 3606. | 3.6 | 10 |
| 114 | Kinetics and Thermodynamics of Small Molecule Binding to Pincer-PCP Rhodium(I) Complexes. Inorganic Chemistry, 2013, 52, 4160-4172. | 4.0 | 18 |
| 115 | Reduction of some Pt(iv) complexes with biologically important sulfur-donor ligands. Dalton Transactions, 2013, 42, 8890. | 3.3 | 37 |
| 116 | Mechanistic Studies on Waterâ€Exchange Reactions in [Zn(H<sub>2</sub>O)<sub>4</sub>L]<sup>2+</sup>Â·2H<sub>2</sub>O for L = sp<sup>2</sup>, sp<sup>3</sup> Oxygenâ€Donor Ligands: A DFT Approach. European Journal of Inorganic Chemistry, 2013, 2013, 2059-2069. | 2.0 | 4 |
| 117 | Reply to the Comment on the Article â€œGutmann Donor and Acceptor Numbers for Ionic Liquidsâ€• (Chem. Eur. J. 2012, 18, 10969â€“10982) by J.â€F. Gal and C. Laurence. Chemistry - A European Journal, 2013, 19, 16835-16836. | 3.3 | 5 |
| 118 | Amine-bridged binuclear palladium(II) complexes with inosine. Equilibrium studies and DFT calculations. Journal of Coordination Chemistry, 2013, 66, 3469-3480. | 2.2 | 2 |
| 119 | Hostâ€“guest complexes of mixed glycol-bipyridine cryptands: prediction of ion selectivity by quantum chemical calculations, part V. Beilstein Journal of Organic Chemistry, 2013, 9, 1252-1268. | 2.2 | 18 |
| 120 | Thermodynamics of Axial Substitution and Kinetics of Reactions with Amino Acids for the Paddlewheel Complex Tetrakis(acetato)chloridodiruthenium(II,III). Inorganic Chemistry, 2012, 51, 6615-6625. | 4.0 | 29 |
| 121 | Mechanistic studies on the oxidative degradation of Orange II by peracetic acid catalyzed by simple manganese(<scp>ii</scp>) salts. Tuning the lifetime of the catalyst. New Journal of Chemistry, 2012, 36, 732-748. | 2.8 | 65 |
| 122 | Substitution behaviour of novel dinuclear Pt(<scp>ii</scp>) complexes with bio-relevant nucleophiles. Dalton Transactions, 2012, 41, 876-884. | 3.3 | 36 |
| 123 | Apparent or real water exchange reactions on [Zn(H2O)4(L)]2+Â·2H2O (L = sp-nitrogen donor ligands)? A quantum chemical investigation. Dalton Transactions, 2012, 41, 6932. | 3.3 | 8 |
| 124 | The oxidative degradation of dibenzoazepine derivatives by cerium(<scp>iv</scp>) complexes in acidic sulfate media. Dalton Transactions, 2012, 41, 1259-1267. | 3.3 | 17 |
| 125 | Thermodynamics of the interaction of ruthenium(iii) polyaminecarboxylate complexes with bio-relevant ligands. Deactivation of the complexes as NO scavengers by thiol ligands. Dalton Transactions, 2012, 41, 13447. | 3.3 | 3 |
| 126 | Role of Ï€-Acceptor Effects in Controlling the Lability of Novel Monofunctional Pt(II) and Pd(II) Complexes: Crystal Structure of [Pt(tripyridinedimethane)Cl]Cl. Inorganic Chemistry, 2012, 51, 1516-1529. | 4.0 | 48 |

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| 127 | Mechanistic studies on the reactions of platinum(ii) complexes with nitrogen- and sulfur-donor biomolecules. Dalton Transactions, 2012, 41, 12329. | 3.3 | 98 |
| 128 | Reactivity of a Cytostatic Active N,N-Donor-Containing Dinuclear Pt(II) Complex with Biological Relevant Nucleophiles. Inorganic Chemistry, 2012, 51, 3025-3038. | 4.0 | 13 |
| 129 | Heterogeneous proton-coupled electron transfer in seven-coordinate iron superoxide dismutase mimetics: concerted mechanism for two-proton one-electron transfer. Bioinorganic Reaction Mechanisms, 2012, 8, . | 0.4 | 1 |
| 130 | Kinetics and mechanism of the reactions of Au(iii) complexes with some biologically relevant molecules. Dalton Transactions, 2012, 41, 3633. | 3.3 | 35 |
| 131 | Gas chromatographic determination of phosphate-based flame retardants in styrene-based polymers from waste electrical and electronic equipment. Journal of Chromatography A, 2012, 1262, 188-195. | 3.7 | 20 |
| 132 | Advances in the mechanistic understanding of selected reactions of transition metal polyaminecarboxylate complexes. Advances in Inorganic Chemistry, 2012, , 141-181. | 1.0 | 2 |
| 133 | Polyaminecarboxylateruthenium(III) complexes on the mosaic of bioinorganic reactions. Kinetic and mechanistic impact. Advances in Inorganic Chemistry, 2012, 64, 183-217. | 1.0 | 6 |
| 134 | Mechanistic Insight from Activation Parameters for the Reaction of a Ruthenium Hydride Complex with CO<sub>2</sub> in Conventional Solvents and an Ionic Liquid. Inorganic Chemistry, 2012, 51, 7340-7345. | 4.0 | 24 |
| 135 | Quantum chemical studies on the enantiomerization mechanism of several [Zn(py)3(tach)]2+ derivatives. Dalton Transactions, 2012, 41, 14151. | 3.3 | 4 |
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