# K Kristoffer Andersson

List of Publications by Year
in descending order



| 22 | 1,424 | 394286 19 | 677027 22 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 22 | 22 | 22 | 2067 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Structure, function, and mechanism of ribonucleotide reductases. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2004, 1699, 1-34. | 1.1 | 252 |
| 2 | Structures of the high-valent metal-ion haemâ€“oxygen intermediates in peroxidases, oxygenases and catalases. Journal of Inorganic Biochemistry, 2006, 100, 460-476. | 1.5 | 152 |
| 3 | Spectroscopic and Electronic Structure Studies of the Trinuclear Cu Cluster Active Site of the Multicopper Oxidase Laccase:Â Nature of Its Coordination Unsaturation. Journal of the American Chemical Society, 2005, 127, 13832-13845. | 6.6 | 124 |
| 4 | The Crystal Structure of an Azide Complex of the Diferrous R2 Subunit of Ribonucleotide Reductase Displays a Novel Carboxylate Shift with Important Mechanistic Implications for Diiron-Catalyzed Oxygen Activation. Journal of the American Chemical Society, 1999, 121, 2346-2352. | 6.6 | 116 |
| 5 | Formation of a protonated trihydrobiopterin radical cation in the first reaction cycle of neuronal and endothelial nitric oxide synthase detected by electron paramagnetic resonance spectroscopy. Journal of Biological Inorganic Chemistry, 2001, 6, 151-158. | 1.1 | 93 |
| 6 | Comparative studies of rat recombinant purple acid phosphatase and bone tartrate-resistant acid phosphatase. Biochemical Journal, 1997, 321, 305-311. | 1.7 | 77 |
| 7 | Examples of high-frequency EPR studies in bioinorganic chemistry. Journal of Biological Inorganic Chemistry, 2003, 8, 235-247. | 1.1 | 72 |
| 8 | Review: Studies of ferric heme proteins with highly anisotropic/highly axial low spin (S = 1/2) electron paramagnetic resonance signals with bisâ€Histidine and histidineâ€methionine axial iron coordination. Biopolymers, 2009, 91, 1064-1082. | 1.2 | 72 |
| 9 | The Protonation Status of Compound II in Myoglobin, Studied by a Combination of Experimental Data and Quantum Chemical Calculations: Quantum Refinement. Biophysical Journal, 2004, 87, 3437-3447. | 0.2 | 56 |
| 10 | Crystal Structural Studies of Changes in the Native Dinuclear Iron Center of Ribonucleotide Reductase Protein R2 from Mouse. Journal of Biological Chemistry, 2004, 279, 46794-46801. | 1.6 | 55 |
| 11 | Ribonucleotide reductase class I with different radical generating clusters. Coordination Chemistry Reviews, 2013, 257, 3-26. | 9.5 | 54 |
| 12 | Crystallographic and Spectroscopic Studies of Peroxide-derived Myoglobin Compound II and Occurrence of Protonated FeIVâ€“O. Journal of Biological Chemistry, 2007, 282, 23372-23386. | 1.6 | 53 |
| 13 | The crystal structure of peroxymyoglobin generated through cryoradiolytic reduction of myoglobin compound III during data collection. Biochemical Journal, 2008, 412, 257-264. | 1.7 | 50 |
| 14 | The use of high field/frequency EPR in studies of radical and metal sites in proteins and small inorganic models. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2002, 58, 1101-1112. | 2.0 | 30 |
| 15 | Cobalt Substitution of Mouse R2 Ribonucleotide Reductase as a Model for the Reactive Diferrous State. Journal of Biological Chemistry, 2002, 277, 34229-34238. | 1.6 | 28 |
| 16 | Biomimetic Modelling of Copper Enzymes: Synthesis, Characterization, EPR Analysis and Enantioselective Catalytic Oxidations by a New Chiral Trinuclear Copper(II) Complex. European Journal of Inorganic Chemistry, 2009, 2009, 554-566. | 1.0 | 27 |
| 17 | Resonance Raman Evidence for a Hydrogen-Bonded Oxo Bridge in the R2 Protein of Ribonucleotide Reductase from Mouse. Journal of the American Chemical Society, 1999, 121, 6755-6756. | 6.6 | 25 |
| 18 | A new chiral, poly-imidazole N8-ligand and the related di- and tri-copper(ii) complexes: synthesis, theoretical modelling, spectroscopic properties, and biomimetic stereoselective oxidations. Dalton Transactions, 2011, 40, 5436. | 1.6 | 24 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Access channel residues Ser315 and Asp137 in Mycobacterium tuberculosis catalase-peroxidase (KatG) control peroxidatic activation of the pro-drug isoniazid. Chemical Communications, 2013, 49, 11650-11652. | 2.2 | 24 |
| 20 | A continuous-wave electronâ€“nuclear double resonance (X-band) study of the Cu2+ sites of particulate methane mono-oxygenase of Methylococcus capsulatus (strain M) in membrane and pure dopamine Î²-mono-oxygenase of the adrenal medulla. Biochemical Journal, 2002, 363, 677-686. | 1.7 | 16 |
| 21 | The Influence of Xâ€Rays on the Structural Studies of Peroxideâ€Derived Myoglobin Intermediates. Chemistry and Biodiversity, 2008, 5, 2067-2089. | 1.0 | 16 |
| 22 | Reactive complexes in myoglobin and nitric oxide synthase. Inorganica Chimica Acta, 2008, 361, 831-843. | 1.2 | 8 |