Elmar Jaenicke

List of Publications by Year
in descending order

35 papers	1,451 citations	331670 21 h-index	361022 35 g-index
35 all docs	35 docs citations	35 times ranked	1276 citing authors

#	Article	IF	Citations
1	How To Design Selective Ligands for Highly Conserved Binding Sites: A Case Study Using <i>N</i>-Myristoyltransferases as a Model System. Journal of Medicinal Chemistry, 2020, 63, 2095-2113.	6.4	10
2	Stability of Water-Soluble Chlorophyll Protein (WSCP) Depends on Phytyl Conformation. ACS Omega, 2019, 4, 7971-7979.	3.5	27
3	How water-mediated hydrogen bonds affect chlorophyll a/b selectivity in Water-Soluble Chlorophyll Protein. Scientific Reports, 2019, 9, 18255.	3.3	23
4	Chlorophyll a/b binding-specificity in water-soluble chlorophyll protein. Nature Plants, 2018, 4, 920-929.	9.3	39
5	Large oligomeric complex structures can be computationally assembled by efficiently combining docked interfaces. Proteins: Structure, Function and Bioinformatics, 2015, 83, 1887-1899.	2.6	3
6	Polyphenoloxidase from Riesling and Dornfelder wine grapes (Vitis vinifera) is a tyrosinase. Food Chemistry, 2015, 183, 49-57.	8.2	36
7	Crystallization and Preliminary Analysis of Crystals of the 24-Meric Hemocyanin of the Emperor Scorpion (Pandinus imperator). PLoS ONE, 2012, 7, e32548.	2.5	11
8	The refined structure of functional unit h of keyhole limpet hemocyanin (KLH1â€h) reveals disulfide bridges. IUBMB Life, 2011, 63, 183-187.	3.4	23
9	Cupredoxin-like domains in haemocyanins. Biochemical Journal, 2010, 426, 373-378.	3.7	27
10	Monte Carlo-based rigid body modelling of large protein complexes against small angle scattering data. Computational Biology and Chemistry, 2010, 34, 158-164.	2.3	2
11	Cockroach allergens Per a 3 are oligomers. Developmental and Comparative Immunology, 2010, 34, 722-733.	2.3	27
12	Structure of the Altitude Adapted Hemoglobin of Guinea Pig in the R2-State. PLoS ONE, 2010, 5, e12389.	2.5	12
13	Is activated hemocyanin instead of phenoloxidase involved in immune response in woodlice?. Developmental and Comparative Immunology, 2009, 33, 1055-1063.	2.3	39
14	Crystallization of the Altitude Adapted Hemoglobin of Guinea Pig. Protein and Peptide Letters, 2009, 16, 444-446.	0.9	1
15	Kinetic properties of catecholoxidase activity of tarantula hemocyanin. FEBS Journal, 2008, 275, 1518-1528.	4.7	32
16	Switch between tyrosinase and catecholoxidase activity of scorpion hemocyanin by allosteric effectors. FEBS Letters, 2008, 582, 749-754.	2.8	35
17	Minireview: Recent progress in hemocyanin research. Integrative and Comparative Biology, 2007, 47, 631-644.	2.0	141
18	Similar enzyme activation and catalysis in hemocyanins and tyrosinases. Gene, 2007, 398, 183-191.	2.2	142

#	ARTICLE	IF	CITATIONS
19	Hemocyanin conformational changes associated with SDS-induced phenol oxidase activation. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2007, 1774, 1380-1394.	2.3	66
20	A threeâ€dimensional model of mammalian tyrosinase active site accounting for loss of function mutations. Pigment Cell & Melanoma Research, 2007, 20, 394-401.	3.6	44
21	Mechanism of Oligomerisation of Cyclase-associated Protein from Dictyostelium discoideum in Solution. Journal of Molecular Biology, 2006, 362, 1072-1081.	4.2	8
22	Molecular mass of macromolecules and subunits and the quaternary structure of hemoglobin from the microcrustacean Daphnia magna. FEBS Journal, 2006, 273, 3393-3410.	4.7	14
23	Native and subunit molecular mass and quarternary structure of the hemoglobin from the primitive branchiopod crustacean Triops cancriformis. FEBS Journal, 2006, 273, 4055-4071.	4.7	15
24	Quaternary structure and functional properties of Penaeus monodon hemocyanin. FEBS Journal, 2005, 272, 2060-2075.	4.7	27
25	Homology modelling of hemocyanins and tyrosinases: pitfalls in automated approaches. Micron, 2004, 35, 97-98.	2.2	1
26	Functional Changes in the Family of Type 3 Copper Proteins During Evolution. ChemBioChem, 2004, 5, 163-169.	2.6	60
27	Functional Changes in the Family of Type 3 Copper Proteins During Evolution. ChemInform, 2004, 35, no.	0.0	1
28	Conversion of crustacean hemocyanin to catecholoxidase. Micron, 2004, 35, 89-90.	2.2	46
29	Urate as effector for crustacean hemocyanins. Micron, 2004, 35, 109-110.	2.2	5
30	Recent findings on phenoloxidase activity and antimicrobial activity of hemocyanins. Developmental and Comparative Immunology, 2004, 28, 673-687.	2.3	163
31	Tyrosinases from crustaceans form hexamers. Biochemical Journal, 2003, 371, 515-523.	3.7	86
32	Isolation and characterization of haemoporin, an abundant haemolymph protein from Aplysia californica. Biochemical Journal, 2003, 375, 681-688.	3.7	3
33	SDS-induced Phenoloxidase Activity of Hemocyanins fromLimulus polyphemus, Eurypelma californicum, andCancer magister. Journal of Biological Chemistry, 2001, 276, 17796-17799.	3.4	166
34	Identification, Structure, and Properties of Hemocyanins from Diplopod Myriapoda. Journal of Biological Chemistry, 1999, 274, 29071-29074.	3.4	41
35	Spider Hemocyanin Binds Ecdysone and 20-OH-Ecdysone. Journal of Biological Chemistry, 1999, 274, 34267-34271.	3.4	75