

# Elmar Jaenicke

## List of Publications by Year in descending order

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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	SDS-induced Phenoloxidase Activity of Hemocyanins from <i>Limulus polyphemus</i> , <i>Eurypelma californicum</i> , and <i>Cancer magister</i> . <i>Journal of Biological Chemistry</i> , 2001, 276, 17796-17799.	3.4	166
2	Recent findings on phenoloxidase activity and antimicrobial activity of hemocyanins. <i>Developmental and Comparative Immunology</i> , 2004, 28, 673-687.	2.3	163
3	Similar enzyme activation and catalysis in hemocyanins and tyrosinases. <i>Gene</i> , 2007, 398, 183-191.	2.2	142
4	Minireview: Recent progress in hemocyanin research. <i>Integrative and Comparative Biology</i> , 2007, 47, 631-644.	2.0	141
5	Tyrosinases from crustaceans form hexamers. <i>Biochemical Journal</i> , 2003, 371, 515-523.	3.7	86
6	Spider Hemocyanin Binds Ecdysone and 20-OH-Ecdysone. <i>Journal of Biological Chemistry</i> , 1999, 274, 34267-34271.	3.4	75
7	Hemocyanin conformational changes associated with SDS-induced phenol oxidase activation. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2007, 1774, 1380-1394.	2.3	66
8	Functional Changes in the Family of Type 3 Copper Proteins During Evolution. <i>ChemBioChem</i> , 2004, 5, 163-169.	2.6	60
9	Conversion of crustacean hemocyanin to catecholoxidase. <i>Micron</i> , 2004, 35, 89-90.	2.2	46
10	A three-dimensional model of mammalian tyrosinase active site accounting for loss of function mutations. <i>Pigment Cell &amp; Melanoma Research</i> , 2007, 20, 394-401.	3.6	44
11	Identification, Structure, and Properties of Hemocyanins from Diplopod Myriapoda. <i>Journal of Biological Chemistry</i> , 1999, 274, 29071-29074.	3.4	41
12	Is activated hemocyanin instead of phenoloxidase involved in immune response in woodlice?. <i>Developmental and Comparative Immunology</i> , 2009, 33, 1055-1063.	2.3	39
13	Chlorophyll a/b binding-specificity in water-soluble chlorophyll protein. <i>Nature Plants</i> , 2018, 4, 920-929.	9.3	39
14	Polyphenoloxidase from Riesling and Dornfelder wine grapes ( <i>Vitis vinifera</i> ) is a tyrosinase. <i>Food Chemistry</i> , 2015, 183, 49-57.	8.2	36
15	Switch between tyrosinase and catecholoxidase activity of scorpion hemocyanin by allosteric effectors. <i>FEBS Letters</i> , 2008, 582, 749-754.	2.8	35
16	Kinetic properties of catecholoxidase activity of tarantula hemocyanin. <i>FEBS Journal</i> , 2008, 275, 1518-1528.	4.7	32
17	Quaternary structure and functional properties of <i>Penaeus monodon</i> hemocyanin. <i>FEBS Journal</i> , 2005, 272, 2060-2075.	4.7	27
18	Cupredoxin-like domains in haemocyanins. <i>Biochemical Journal</i> , 2010, 426, 373-378.	3.7	27

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19	Cockroach allergens Per a 3 are oligomers. <i>Developmental and Comparative Immunology</i> , 2010, 34, 722-733.	2.3	27
20	Stability of Water-Soluble Chlorophyll Protein (WSCP) Depends on Phytyl Conformation. <i>ACS Omega</i> , 2019, 4, 7971-7979.	3.5	27
21	The refined structure of functional unit h of keyhole limpet hemocyanin (KLH1â€h) reveals disulfide bridges. <i>IUBMB Life</i> , 2011, 63, 183-187.	3.4	23
22	How water-mediated hydrogen bonds affect chlorophyll a/b selectivity in Water-Soluble Chlorophyll Protein. <i>Scientific Reports</i> , 2019, 9, 18255.	3.3	23
23	Native and subunit molecular mass and quarternary structure of the hemoglobin from the primitive branchiopod crustacean <i>Triops cancriformis</i> . <i>FEBS Journal</i> , 2006, 273, 4055-4071.	4.7	15
24	Molecular mass of macromolecules and subunits and the quaternary structure of hemoglobin from the microcrustacean <i>Daphnia magna</i> . <i>FEBS Journal</i> , 2006, 273, 3393-3410.	4.7	14
25	Structure of the Altitude Adapted Hemoglobin of Guinea Pig in the R2-State. <i>PLoS ONE</i> , 2010, 5, e12389.	2.5	12
26	Crystallization and Preliminary Analysis of Crystals of the 24-Meric Hemocyanin of the Emperor Scorpion ( <i>Pandinus imperator</i> ). <i>PLoS ONE</i> , 2012, 7, e32548.	2.5	11
27	How To Design Selective Ligands for Highly Conserved Binding Sites: A Case Study Using <i>N</i> -Myristoyltransferases as a Model System. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 2095-2113.	6.4	10
28	Mechanism of Oligomerisation of Cyclase-associated Protein from <i>Dictyostelium discoideum</i> in Solution. <i>Journal of Molecular Biology</i> , 2006, 362, 1072-1081.	4.2	8
29	Urate as effector for crustacean hemocyanins. <i>Micron</i> , 2004, 35, 109-110.	2.2	5
30	Isolation and characterization of haemoporphin, an abundant haemolymph protein from <i>Aplysia californica</i> . <i>Biochemical Journal</i> , 2003, 375, 681-688.	3.7	3
31	Large oligomeric complex structures can be computationally assembled by efficiently combining docked interfaces. <i>Proteins: Structure, Function and Bioinformatics</i> , 2015, 83, 1887-1899.	2.6	3
32	Monte Carlo-based rigid body modelling of large protein complexes against small angle scattering data. <i>Computational Biology and Chemistry</i> , 2010, 34, 158-164.	2.3	2
33	Homology modelling of hemocyanins and tyrosinases: pitfalls in automated approaches. <i>Micron</i> , 2004, 35, 97-98.	2.2	1
34	Functional Changes in the Family of Type 3 Copper Proteins During Evolution. <i>ChemInform</i> , 2004, 35, no.	0.0	1
35	Crystallization of the Altitude Adapted Hemoglobin of Guinea Pig. <i>Protein and Peptide Letters</i> , 2009, 16, 444-446.	0.9	1