

Ivo Tews

List of Publications by Year in descending order

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63
papers

3,524
citations

172457

29
h-index

138484

58
g-index

68
all docs

68
docs citations

68
times ranked

4182
citing authors

#	ARTICLE	IF	CITATIONS
1	Crystal structure of a bacterial chitinase at 2.3 Å... resolution. <i>Structure</i> , 1994, 2, 1169-1180.	3.3	400
2	Bacterial chitobiase structure provides insight into catalytic mechanism and the basis of Tayâ€“Sachs disease. <i>Nature Structural Biology</i> , 1996, 3, 638-648.	9.7	330
3	Substrate-Assisted Catalysis Unifies Two Families of Chitinolytic Enzymes. <i>Journal of the American Chemical Society</i> , 1997, 119, 7954-7959.	13.7	296
4	Two independent routes of <i>de novo</i> vitamin B6 biosynthesis: not that different after all. <i>Biochemical Journal</i> , 2007, 407, 1-13.	3.7	189
5	The molecular chaperone Hsp90 delivers precursor proteins to the chloroplast import receptor Toc64. <i>EMBO Journal</i> , 2006, 25, 1836-1847.	7.8	157
6	Specificity Determinants of Recruitment Peptides Bound to Phospho-CDK2/Cyclin Aâ€“,â€“j. <i>Biochemistry</i> , 2002, 41, 15625-15634.	2.5	152
7	The Structure of a pH-Sensing Mycobacterial Adenylyl Cyclase Holoenzyme. <i>Science</i> , 2005, 308, 1020-1023.	12.6	112
8	Structure of a bacterial pyridoxal 5'-phosphate synthase complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 19284-19289.	7.1	110
9	A Direct Role for Phosphatidylinositolâ€“4,5â€“bisphosphate in Unconventional Secretion of Fibroblast Growth Factor 2. <i>Traffic</i> , 2008, 9, 1204-1217.	2.7	104
10	Cell surface counter receptors are essential components of the unconventional export machinery of galectin-1. <i>Journal of Cell Biology</i> , 2005, 171, 373-381.	5.2	99
11	OX40: Structure and function â€“ What questions remain?. <i>Molecular Immunology</i> , 2017, 83, 13-22.	2.2	98
12	Pyridoxal phosphate: Biosynthesis and catabolism. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2011, 1814, 1585-1596.	2.3	78
13	Complex Interplay between Epitope Specificity and Isotype Dictates the Biological Activity of Anti-human CD40 Antibodies. <i>Cancer Cell</i> , 2018, 33, 664-675.e4.	16.8	78
14	Vitamin B6 Biosynthesis by the Malaria Parasite <i>Plasmodium falciparum</i> . <i>Journal of Biological Chemistry</i> , 2006, 281, 3633-3641.	3.4	77
15	Solubilization of aggregated proteins by ClpB/DnaK relies on the continuous extraction of unfolded polypeptides. <i>FEBS Letters</i> , 2004, 578, 351-356.	2.8	76
16	Functional Analysis of PDX2 from <i>Arabidopsis</i> , a Glutaminase Involved in Vitamin B6 Biosynthesis. <i>Plant Physiology</i> , 2007, 144, 915-925.	4.8	76
17	The N-terminal cysteine pair of yeast sulfhydryl oxidase Erv1p is essential for in vivo activity and interacts with the primary redox centre. <i>FEBS Journal</i> , 2003, 270, 1528-1535.	0.2	73
18	N-Acetylglucosaminidase (chitobiase) from <i>Serratia marcescens</i> : gene sequence, and protein production and purification in <i>Escherichia coli</i> . <i>Gene</i> , 1996, 170, 63-67.	2.2	64

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19	CD1b-restricted GEM T cell responses are modulated by <i>Mycobacterium tuberculosis</i> mycolic acid meromycolate chains. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E10956-E10964.	7.1	58
20	Conserved Properties of Polypeptide Transport-associated (POTRA) Domains Derived from Cyanobacterial Omp85. Journal of Biological Chemistry, 2010, 285, 18016-18024.	3.4	53
21	The GTPase Cycle of the Chloroplast Import Receptors Toc33/Toc34: Implications from Monomeric and Dimeric Structures. Structure, 2008, 16, 585-596.	3.3	52
22	Formation and dimerization of the phosphodiesterase active site of the <i>Pseudomonas aeruginosa</i> MorA, a bifunctional c-di-GMP regulator. FEBS Letters, 2014, 588, 4631-4636.	2.8	48
23	Policing Tic-TOC™ Toc, the doorway to chloroplasts. Trends in Cell Biology, 2008, 18, 19-27.	7.9	44
24	Isotype Switching Converts Anti-CD40 Antagonism to Agonism to Elicit Potent Antitumor Activity. Cancer Cell, 2020, 37, 850-866.e7.	16.8	42
25	Cholesteryl esters stabilize human CD1c conformations for recognition by self-reactive T cells. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E1266-75.	7.1	41
26	Thermodynamic Characterization of the Protein-Protein Interaction in the Heteromeric <i>Bacillus subtilis</i> Pyridoxalphosphate Synthase. Biochemistry, 2007, 46, 5131-5139.	2.5	36
27	Successful sample preparation for serial crystallography experiments. Journal of Applied Crystallography, 2019, 52, 1385-1396.	4.5	34
28	Fatty acid regulation of adenylyl cyclase Rv2212 from <i>Mycobacterium tuberculosis</i> H37Rv. FEBS Journal, 2006, 273, 4219-4228.	4.7	33
29	Structure and Conservation of the Periplasmic Targeting Factor Tic22 Protein from Plants and Cyanobacteria. Journal of Biological Chemistry, 2012, 287, 24164-24173.	3.4	33
30	PLP-dependent enzymes as potential drug targets for protozoan diseases. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2011, 1814, 1567-1576.	2.3	30
31	Mdm38 is a 14-3-3-Like Receptor and Associates with the Protein Synthesis Machinery at the Inner Mitochondrial Membrane. Traffic, 2011, 12, 1457-1466.	2.7	30
32	Structural Basis for a Distinct Catalytic Mechanism in <i>Trypanosoma brucei</i> Tryparedoxin Peroxidase. Journal of Biological Chemistry, 2008, 283, 30401-30411.	3.4	29
33	X-ray crystal structure of <i>Saccharomyces cerevisiae</i> Pdx1 provides insights into the oligomeric nature of PLP synthases. FEBS Letters, 2009, 583, 2179-2186.	2.8	27
34	On-Site Analysis of Bacterial Communities of the Ultraoligotrophic South Pacific Gyre. Applied and Environmental Microbiology, 2019, 85, .	3.1	27
35	On the Significance of Toc-GTPase Homodimers. Journal of Biological Chemistry, 2008, 283, 23104-23112.	3.4	26
36	Assembly of the Eukaryotic PLP-Synthase Complex from <i>Plasmodium</i> and Activation of the Pdx1 Enzyme. Structure, 2012, 20, 172-184.	3.3	26

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37	Differential impact on motility and biofilm dispersal of closely related phosphodiesterases in <i>Pseudomonas aeruginosa</i> . <i>Scientific Reports</i> , 2020, 10, 6232.	3.3	26
38	LILRB3 (ILT5) is a myeloid cell checkpoint that elicits profound immunomodulation. <i>JCI Insight</i> , 2020, 5, .	5.0	26
39	Substrate binding disrupts dimerization and induces nucleotide exchange of the chloroplast GTPase Toc33. <i>Biochemical Journal</i> , 2011, 436, 313-319.	3.7	25
40	Serial Femtosecond Zero Dose Crystallography Captures a Water-Free Distal Heme Site in a Dye-Depolarising Peroxidase to Reveal a Catalytic Role for an Arginine in Fe ^{IV} =O Formation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21656-21662.	13.8	24
41	Dimerisation induced formation of the active site and the identification of three metal sites in EAL-phosphodiesterases. <i>Scientific Reports</i> , 2017, 7, 42166.	3.3	20
42	Hinge disulfides in human IgG2 CD40 antibodies modulate receptor signaling by regulation of conformation and flexibility. <i>Science Immunology</i> , 2022, 7, .	11.9	18
43	Structural and Thermodynamic Insights into the Assembly of the Heteromeric Pyridoxal Phosphate Synthase from <i>Plasmodium falciparum</i> . <i>Journal of Molecular Biology</i> , 2007, 374, 732-748.	4.2	17
44	Structure of the Recombinant <i>Neisseria gonorrhoeae</i> Adhesin Complex Protein (rNg-ACP) and Generation of Murine Antibodies with Bactericidal Activity against Gonococci. <i>MSphere</i> , 2018, 3, .	2.9	17
45	Structural and functional characterization of IdiA/FutA (Tery_3377), an iron-binding protein from the ocean diazotroph <i>Trichodesmium erythraeum</i> . <i>Journal of Biological Chemistry</i> , 2018, 293, 18099-18109.	3.4	17
46	Lysine relay mechanism coordinates intermediate transfer in vitamin B6 biosynthesis. <i>Nature Chemical Biology</i> , 2017, 13, 290-294.	8.0	16
47	The Structure of the Regulatory Domain of the Adenylyl Cyclase Rv1264 from <i>Mycobacterium tuberculosis</i> with Bound Oleic Acid. <i>Journal of Molecular Biology</i> , 2007, 369, 1282-1295.	4.2	13
48	Dissection of Contributions from Invariant Amino Acids to Complex Formation and Catalysis in the Heteromeric Pyridoxal 5-Phosphate Synthase Complex from <i>Bacillus subtilis</i> . <i>Biochemistry</i> , 2009, 48, 1928-1935.	2.5	11
49	Measuring energy-dependent photoelectron escape in microcrystals. <i>IUCr</i> , 2020, 7, 129-135.	2.2	9
50	Agonistic CD27 antibody potency is determined by epitope-dependent receptor clustering augmented through Fc-engineering. <i>Communications Biology</i> , 2022, 5, 229.	4.4	8
51	Crystallization of recombinant chitobiase from <i>Serratia marcescens</i> . <i>Journal of Molecular Biology</i> , 1992, 228, 696-697.	4.2	7
52	Defining the structural requirements for ribose 5-phosphate binding and intersubunit cross-talk of the malarial pyridoxal 5-phosphate synthase. <i>FEBS Letters</i> , 2010, 584, 4169-4174.	2.8	7
53	pH Sensitivity of the GTPase Toc33 as a Regulatory Circuit for Protein Translocation into Chloroplasts. <i>Plant and Cell Physiology</i> , 2008, 49, 1917-1921.	3.1	5
54	Evaluating Anti-CD32b F(ab) Conformation Using Molecular Dynamics and Small-Angle X-Ray Scattering. <i>Biophysical Journal</i> , 2018, 115, 289-299.	0.5	4

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55	Serial Femtosecond Zero Dose Crystallography Captures a Water-Free Distal Heme Site in a Dye-Decolorising Peroxidase to Reveal a Catalytic Role for an Arginine in Fe ^{IV} =O Formation. <i>Angewandte Chemie</i> , 2020, 132, 21840-21846.	2.0	4
56	Phylogenetic Analysis with Prediction of Cofactor or Ligand Binding for <i>Pseudomonas aeruginosa</i> PAS and Cache Domains. <i>Microbiology Spectrum</i> , 2021, 9, e0102621.	3.0	4
57	Characterization of two putative <i>Dichelobacter nodosus</i> footrot vaccine antigens identifies the first lysozyme inhibitor in the genus. <i>Scientific Reports</i> , 2019, 9, 10055.	3.3	3
58	Fixed Target Serial Data Collection at Diamond Light Source. <i>Journal of Visualized Experiments</i> , 2021, , .	0.3	3
59	Two way street “ complementary methods. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2015, 71, 1-2.	2.5	1
60	High resolution of non-crystalline specimens: Cryo-electron microscopy of adenovirus. <i>Micron and Microscopica Acta</i> , 1991, 22, 31-32.	0.2	0
61	Pyridoxal Phosphate Biosynthesis. , 2010, , 259-272.		0
62	Trapping and structural characterisation of a covalent intermediate in vitamin B ₆ biosynthesis catalysed by the Pdx1 PLP synthase. <i>RSC Chemical Biology</i> , 2022, 3, 227-230.	4.1	0
63	Structure and Regulation of EAL Domain Proteins. , 2020, , 27-48.		0