

Artem G Evdokimov

List of Publications by Year in descending order

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42
papers

2,356
citations

172457

29
h-index

265206

42
g-index

42
all docs

42
docs citations

42
times ranked

3479
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural Basis for the Substrate Specificity of Tobacco Etch Virus Protease. <i>Journal of Biological Chemistry</i> , 2002, 277, 50564-50572.	3.4	206
2	Continuous evolution of <i>Bacillus thuringiensis</i> toxins overcomes insect resistance. <i>Nature</i> , 2016, 533, 58-63.	27.8	159
3	Unusual molecular architecture of the <i>Yersinia pestis</i> cytotoxin YopM: a leucine-rich repeat protein with the shortest repeating unit 1 Edited by R. Huber. <i>Journal of Molecular Biology</i> , 2001, 312, 807-821.	4.2	149
4	Structural basis for effectiveness of siderophore-conjugated monocarbams against clinically relevant strains of <i>Pseudomonas aeruginosa</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 22002-22007.	7.1	129
5	Mechanism of insulin sensitization by BMOV (bis maltolato oxo vanadium); unliganded vanadium (VO ₄) as the active component. <i>Journal of Inorganic Biochemistry</i> , 2003, 96, 321-330.	3.5	127
6	Structural basis for the fast maturation of Arthropoda green fluorescent protein. <i>EMBO Reports</i> , 2006, 7, 1006-1012.	4.5	99
7	Similar modes of polypeptide recognition by export chaperones in flagellar biosynthesis and type III secretion. <i>Nature Structural and Molecular Biology</i> , 2003, 10, 789-793.	8.2	96
8	Differential effects of short affinity tags on the crystallization of <i>Pyrococcus furiosus</i> maltodextrin-binding protein. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2002, 58, 392-397.	2.5	85
9	1,2,3,4-Tetrahydroisoquinolyl sulfamic acids as phosphatase PTP1B inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 1574-1578.	2.2	78
10	Discovery of Brain-Penetrant, Irreversible Kynurenine Aminotransferase II Inhibitors for Schizophrenia. <i>ACS Medicinal Chemistry Letters</i> , 2012, 3, 187-192.	2.8	77
11	Design and synthesis of a series of novel pyrazolopyridines as HIF-1 α prolyl hydroxylase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 5687-5690.	2.2	70
12	Structural evidence for substrate-induced synergism and half-sites reactivity in biotin carboxylase. <i>Protein Science</i> , 2008, 17, 1706-1718.	7.6	67
13	A novel series of imidazo[1,2-a]pyridine derivatives as HIF-1 α prolyl hydroxylase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 5598-5601.	2.2	61
14	The development of 2-benzimidazole substituted pyrimidine based inhibitors of lymphocyte specific kinase (Lck). <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 5973-5977.	2.2	59
15	MALDI-TOF MS as a label-free approach to rapid inhibitor screening. <i>Journal of the American Society for Mass Spectrometry</i> , 2006, 17, 815-822.	2.8	58
16	Crystal structure of the <i>Yersinia pestis</i> GTPase activator YopE. <i>Protein Science</i> , 2009, 11, 401-408.	7.6	58
17	Structural basis for oligosaccharide recognition by <i>Pyrococcus furiosus</i> maltodextrin-binding protein. <i>Journal of Molecular Biology</i> , 2001, 305, 891-904.	4.2	56
18	Structure-based design, synthesis, and SAR evaluation of a new series of 8-hydroxyquinolines as HIF-1 α prolyl hydroxylase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 5517-5522.	2.2	56

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19	Structure of the full-length insecticidal protein C _{ry1A} c reveals intriguing details of toxin packaging into <i>in vivo</i> formed crystals. <i>Protein Science</i> , 2014, 23, 1491-1497.	7.6	55
20	Arginine-aminoglycoside conjugates that bind to HIV transactivation responsive element RNA <i>in vitro</i> . <i>FEBS Letters</i> , 1999, 445, 73-79.	2.8	50
21	Design and synthesis of novel N-sulfonyl-2-indole carboxamides as potent PPAR- β binding agents with potential application to the treatment of osteoporosis. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 5659-5663.	2.2	46
22	Three-dimensional structure of the type III secretion chaperone SycE from <i>Yersinia pestis</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2002, 58, 398-406.	2.5	45
23	The inhibition of human farnesyl pyrophosphate synthase by nitrogen-containing bisphosphonates. Elucidating the role of active site threonine 201 and tyrosine 204 residues using enzyme mutants. <i>Bone</i> , 2015, 81, 478-486.	2.9	45
24	Structures of Furanosides: \hat{A} Density Functional Calculations and High-Resolution X-ray and Neutron Diffraction Crystal Structures. <i>Journal of Physical Chemistry A</i> , 1999, 103, 744-753.	2.5	39
25	Structure of the N-terminal domain of <i>Yersinia pestis</i> YopH at 2.0 \hat{A} resolution. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2001, 57, 793-799.	2.5	39
26	Design and synthesis of substituted pyridine derivatives as HIF-1 β prolyl hydroxylase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 5616-5620.	2.2	37
27	Anti-Human Immunodeficiency Virus Activity of Novel Aminoglycoside-Arginine Conjugates at Early Stages of Infection. <i>AIDS Research and Human Retroviruses</i> , 2000, 16, 627-634.	1.1	36
28	The Enzymology of alanine aminotransferase (AlaAT) isoforms from <i>Hordeum vulgare</i> and other organisms, and the HvAlaAT crystal structure. <i>Archives of Biochemistry and Biophysics</i> , 2012, 528, 90-101.	3.0	34
29	Small-molecule phosphodiesterase probes: discovery of potent and selective CNS-penetrable quinazoline inhibitors of PDE1. <i>MedChemComm</i> , 2014, 5, 1290-1296.	3.4	31
30	Crystal structure of a Vip3B family insecticidal protein reveals a new fold and a unique tetrameric assembly. <i>Protein Science</i> , 2020, 29, 824-829.	7.6	27
31	Engineering the catalytic domain of human protein tyrosine phosphatase $\hat{2}$ for structure-based drug discovery. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2006, 62, 1435-1445.	2.5	23
32	Serendipitous discovery of novel bacterial methionine aminopeptidase inhibitors. <i>Proteins: Structure, Function and Bioinformatics</i> , 2006, 66, 538-546.	2.6	22
33	New kinase regulation mechanism found in HipBA: a bacterial persistence switch. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2009, 65, 875-879.	2.5	22
34	Structures of furanosides: geometrical analysis of low-temperature X-ray and neutron crystal structures of five crystalline methyl pentofuranosides. <i>Acta Crystallographica Section B: Structural Science</i> , 2001, 57, 213-220.	1.8	21
35	Mechanistic insights into the first <i>Lygus</i> -active $\hat{2}$ -pore forming protein. <i>Archives of Biochemistry and Biophysics</i> , 2016, 600, 1-11.	3.0	21
36	Multiplex Enzyme Assays and Inhibitor Screening by Mass Spectrometry. <i>Journal of Biomolecular Screening</i> , 2010, 15, 1001-1007.	2.6	17

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37	Disabled insecticidal proteins: A novel tool to understand differences in insect receptor utilization. <i>Insect Biochemistry and Molecular Biology</i> , 2019, 105, 79-88.	2.7	14
38	Structures of Furanosides: A Study of the Conformational Space of Methyl $\hat{\pm}$ -d-Lyxofuranoside by Density Functional Methods. <i>Journal of Physical Chemistry A</i> , 2000, 104, 5291-5297.	2.5	13
39	Farnesyl pyrophosphate synthase enantiospecificity with a chiral risedronate analog, [6,7-dihydro-5H-cyclopenta[c]pyridin-7-yl(hydroxy)methylene]bis(phosphonic acid) (NE-10501): Synthetic, structural, and modeling studies. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 2878-2882.	2.2	10
40	Overproduction, purification, crystallization and preliminary X-ray diffraction analysis of YopM, an essential virulence factor extruded by the plague bacterium <i>Yersinia pestis</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2000, 56, 1676-1679.	2.5	8
41	Structural biology approaches to antibacterial drug discovery. <i>Expert Opinion on Drug Discovery</i> , 2007, 2, 1085-1101.	5.0	6
42	Structural and functional characterization of Mpp75Aa1.1, a putative beta-pore forming protein from <i>Brevibacillus laterosporus</i> active against the western corn rootworm. <i>PLoS ONE</i> , 2021, 16, e0258052.	2.5	5