

Evangelia D Chrysina

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1508155/publications.pdf>

Version: 2024-02-01

62
papers

1,847
citations

257450

24
h-index

265206

42
g-index

64
all docs

64
docs citations

64
times ranked

1974
citing authors

#	ARTICLE	IF	CITATIONS
1	Crystal Structures of Apo- and Holo-bovine α -Lactalbumin at 2.2-Å.. Resolution Reveal an Effect of Calcium on Inter-lobe Interactions. <i>Journal of Biological Chemistry</i> , 2000, 275, 37021-37029.	3.4	224
2	New Inhibitors of Glycogen Phosphorylase as Potential Antidiabetic Agents. <i>Current Medicinal Chemistry</i> , 2008, 15, 2933-2983.	2.4	133
3	The structure of glycogen phosphorylase b with an alkylidihydropyridine-dicarboxylic acid compound, a novel and potent inhibitor. <i>Structure</i> , 1997, 5, 1413-1425.	3.3	82
4	Kinetic and crystallographic studies on 2-(α -D-glucopyranosyl)-5-methyl-1, 3, 4-oxadiazole, -benzothiazole, and -benzimidazole, inhibitors of muscle glycogen phosphorylase b. Evidence for a new binding site. <i>Protein Science</i> , 2005, 14, 873-888.	7.6	77
5	Role of conserved residues in structure and stability: Tryptophans of human serum retinol-binding protein, a model for the lipocalin superfamily. <i>Protein Science</i> , 2001, 10, 2301-2316.	7.6	72
6	Glucose-derived spiro-isoxazolines are anti-hyperglycemic agents against type 2 diabetes through glycogen phosphorylase inhibition. <i>European Journal of Medicinal Chemistry</i> , 2016, 108, 444-454.	5.5	69
7	Binding of N -acetyl-N - α -D -glucopyranosyl urea and N -benzoyl-N - α -D -glucopyranosyl urea to glycogen phosphorylase b. <i>FEBS Journal</i> , 2002, 269, 1684-1696.	6.2	66
8	Amide-1,2,3-triazole bioisosterism: the glycogen phosphorylase case. <i>Tetrahedron: Asymmetry</i> , 2009, 20, 733-740.	1.8	61
9	Glucose-based spiro-isoxazolines: A new family of potent glycogen phosphorylase inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 7368-7380.	3.0	59
10	Metagenomic mining for thermostable esterolytic enzymes uncovers a new family of bacterial esterases. <i>Scientific Reports</i> , 2016, 6, 38886.	3.3	53
11	High-resolution crystal structures of ribonuclease A complexed with adenylic and uridylic nucleotide inhibitors. Implications for structure-based design of ribonucleolytic inhibitors. <i>Protein Science</i> , 2009, 12, 2559-2574.	7.6	49
12	Synthesis of variously coupled conjugates of d-glucose, 1,3,4-oxadiazole, and 1,2,3-triazole for inhibition of glycogen phosphorylase. <i>Carbohydrate Research</i> , 2011, 346, 1427-1438.	2.3	49
13	The binding of β - and γ -cyclodextrins to glycogen phosphorylase b: Kinetic and crystallographic studies. <i>Protein Science</i> , 2003, 12, 1914-1924.	7.6	48
14	Structural Studies on Phospho-CDK2/Cyclin A Bound to Nitrate, a Transition State Analogue: Implications for the Protein Kinase Mechanism. <i>Biochemistry</i> , 2002, 41, 7301-7311.	2.5	44
15	The Prototype of Glycogen Phosphorylase. <i>Mini-Reviews in Medicinal Chemistry</i> , 2010, 10, 1093-1101.	2.4	42
16	The structure of a novel glucuronoyl esterase from <i>Myceliophthora thermophila</i> gives new insights into its role as a potential biocatalyst. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2013, 69, 63-73.	2.5	38
17	Cubic lyotropic liquid crystals as drug delivery carriers: Physicochemical and morphological studies. <i>International Journal of Pharmaceutics</i> , 2018, 550, 57-70.	5.2	34
18	Binding of the potential antitumour agent indirubin-5-sulphonate at the inhibitor site of rabbit muscle glycogen phosphorylase. <i>FEBS Journal</i> , 2004, 271, 2280-2290.	0.2	33

#	ARTICLE	IF	CITATIONS
19	Efficient Atropodiastereoselective Access to 5,5-Bis(1,2,3-triazoles): Studies on 1-Glucosylated 5-Halogeno 1,2,3-Triazoles and Their Substituted Derivatives as Glycogen Phosphorylase Inhibitors. Chemistry - A European Journal, 2014, 20, 5423-5432.	3.3	31
20	A common α -aggregation-prone™ interface possibly participates in the self-assembly of human zona pellucida proteins. FEBS Letters, 2016, 590, 619-630.	2.8	30
21	The binding of β -D-glucopyranosyl-thiosemicarbazone derivatives to glycogen phosphorylase: A new class of inhibitors. Bioorganic and Medicinal Chemistry, 2010, 18, 7911-7922.	3.0	28
22	In the Search of Glycogen Phosphorylase Inhibitors: Synthesis of C-D-Glucopyranosylbenzo(hydro)quinones α Inhibition of and Binding to Glycogen Phosphorylase in the Crystal. European Journal of Organic Chemistry, 2007, 2007, 596-606.	2.4	27
23	Glycogen phosphorylase inhibitors: A free energy perturbation analysis of glucopyranose spirohydantoin analogues. Proteins: Structure, Function and Bioinformatics, 2005, 61, 984-998.	2.6	25
24	Crystallographic and computational studies on 4-phenyl-1- β -D-glucopyranosyl-1H-1,2,3-triazole-5-acetamide, an inhibitor of glycogen phosphorylase: Comparison with 1- β -D-glucose, N-acetyl- β -D-glucopyranosylamine and N-benzoyl- β -D-glucopyranosyl urea binding. Proteins: Structure, Function and Bioinformatics, 2008, 71, 1307-1323.	2.6	25
25	An N-terminal proatrial natriuretic peptide (NT-proANP) α -aggregation-prone™ segment involved in isolated atrial amyloidosis. FEBS Letters, 2014, 588, 52-57.	2.8	25
26	Crystallographic studies on two bioisosteric analogues, N-acetyl- β -D-glucopyranosylamine and N-trifluoroacetyl- β -D-glucopyranosylamine, potent inhibitors of muscle glycogen phosphorylase. Bioorganic and Medicinal Chemistry, 2006, 14, 181-189.	3.0	24
27	Glucofuranose analogues of hydantocidin. Tetrahedron, 1996, 52, 10721-10736.	1.9	23
28	Crystallographic studies on acyl ureas, a new class of glycogen phosphorylase inhibitors, as potential antidiabetic drugs. Protein Science, 2005, 14, 1760-1771.	7.6	23
29	Stimuli-Responsive Lyotropic Liquid Crystalline Nanosystems with Incorporated Poly(2-Dimethylamino) Tj ETQq1 1 0.784314, rgBT /Over	4.5	23
30	Crystallographic Studies on β - and β -D-glucopyranosyl Formamide Analogues, Inhibitors of Glycogen Phosphorylase. Biocatalysis and Biotransformation, 2003, 21, 233-242.	2.0	22
31	Kinetic and crystallographic studies of glucopyranose spirohydantoin and glucopyranosylamine analogs inhibitors of glycogen phosphorylase. Proteins: Structure, Function and Bioinformatics, 2005, 61, 966-983.	2.6	22
32	From Structure α Based to Knowledge α Based Drug Design Through X-Ray Protein Crystallography: Sketching Glycogen Phosphorylase Binding Sites. Current Medicinal Chemistry, 2011, 18, 2620-2629.	2.4	22
33	Synthesis of 1,2,3-triazoles from xylosyl and 5-thioxylosyl azides: evaluation of the xylose scaffold for the design of potential glycogen phosphorylase inhibitors. Carbohydrate Research, 2012, 364, 28-40.	2.3	22
34	XynDZ5: A New Thermostable GH10 Xylanase. Frontiers in Microbiology, 2020, 11, 545.	3.5	20
35	Crystal structure of rabbit muscle glycogen phosphorylase a in complex with a potential hypoglycaemic drug at 2.0 Å... resolution. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2003, 1647, 325-332.	2.3	19
36	Binding of β -D-glucopyranosyl bismethoxyphosphoramidate to glycogen phosphorylase b: kinetic and crystallographic studies. Bioorganic and Medicinal Chemistry, 2005, 13, 765-772.	3.0	16

#	ARTICLE	IF	CITATIONS
37	Synthesis of new glycosyl biuret and urea derivatives as potential glycoenzyme inhibitors. <i>Carbohydrate Research</i> , 2010, 345, 208-213.	2.3	15
38	The crystal structure of a <i>Fusarium oxysporum</i> feruloyl esterase that belongs to the tannase family. <i>FEBS Letters</i> , 2020, 594, 1738-1749.	2.8	15
39	EstDZ3: A New Esterolytic Enzyme Exhibiting Remarkable Thermostability. <i>Frontiers in Microbiology</i> , 2016, 7, 1779.	3.5	14
40	Binding of oxalyl derivatives of β -D-glucopyranosylamine to muscle glycogen phosphorylase b. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 3872-3882.	3.0	13
41	N-(4-Substituted-benzoyl)- β -D-(β -D-glucopyranosyl)ureas as inhibitors of glycogen phosphorylase: Synthesis and evaluation by kinetic, crystallographic, and molecular modelling methods. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 1801-1816.	3.0	13
42	The structure of a GH10 xylanase from <i>Fusarium oxysporum</i> reveals the presence of an extended loop on top of the catalytic cleft. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2012, 68, 735-742.	2.5	12
43	A New Potent Inhibitor of Glycogen Phosphorylase Reveals the Basicity of the Catalytic Site. <i>Chemistry - A European Journal</i> , 2017, 23, 8800-8805.	3.3	11
44	Crystallographic studies on N-azidoacetyl- β -D-glucopyranosylamine, an inhibitor of glycogen phosphorylase: Comparison with N-acetyl- β -D-glucopyranosylamine. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 5316-5324.	3.0	10
45	Glucopyranosylidene-spiro-iminothiazolidinone, a new bicyclic ring system: Synthesis, derivatization, and evaluation for inhibition of glycogen phosphorylase by enzyme kinetic and crystallographic methods. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 4028-4041.	3.0	10
46	Kinetic and modelling studies on the lipase catalysed enantioselective esterification of (\pm)-perillyl alcohol. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2004, 29, 9-12.	1.8	9
47	Indirubin-3-Aminoxy-Acetate Inhibits Glycogen Phosphorylase by Binding at the Inhibitor and the Allosteric Site. Broad Specificities of the Two Sites. <i>Letters in Drug Design and Discovery</i> , 2005, 2, 377-390.	0.7	8
48	C-Glucosylated malonitrile as a key intermediate towards carbohydrate-based glycogen phosphorylase inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 5592-5599.	3.0	8
49	Anomeric Spironucleosides of β -D-Glucopyranosyl Uracil as Potential Inhibitors of Glycogen Phosphorylase. <i>Molecules</i> , 2019, 24, 2327.	3.8	8
50	Discovery of the Glycogen Phosphorylase-Modulating Activity of a Resveratrol Glucoside by Using a Virtual Screening Protocol Optimized for Solvation Effects. <i>Planta Medica</i> , 2015, 81, 507-516.	1.3	7
51	Molecular investigation of artificial and natural sweeteners as potential anti-inflammatory agents. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 12608-12620.	3.5	7
52	Synthesis of N4-aryl- β -D-glucopyranosylcytosines: a methodology study. <i>Tetrahedron Letters</i> , 2015, 56, 5549-5552.	1.4	6
53	Crystallization and preliminary X-ray crystallographic analysis of <i>Sclerotium rolfsii</i> lectin. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2003, 59, 363-365.	2.5	5
54	Halogen-substituted (C- β -D-glucopyranosyl)-hydroquinone regioisomers: Synthesis, enzymatic evaluation and their binding to glycogen phosphorylase. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 5125-5136.	3.0	5

#	ARTICLE	IF	CITATIONS
55	Synthesis of (benzimidazol-2-yl)aniline derivatives as glycogen phosphorylase inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 5423-5430.	3.0	5
56	Multiscale time-resolved fluorescence study of a glycogen phosphorylase inhibitor combined with quantum chemistry calculations. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 7685-7696.	2.8	3
57	Rational Drug Design Using Integrative Structural Biology. <i>Methods in Molecular Biology</i> , 2018, 1824, 89-111.	0.9	1
58	Synthesis, Kinetic and Conformational Studies of 2-Substituted-5-(β -D-glucopyranosyl)-pyrimidin-4-ones as Potential Inhibitors of Glycogen Phosphorylase. <i>Molecules</i> , 2020, 25, 5463.	3.8	1
59	Formation and physicochemical properties of glycogen phosphorylase in complex with a cationic polyelectrolyte. <i>International Journal of Biological Macromolecules</i> , 2022, 206, 371-380.	7.5	1
60	Frontispiece: A New Potent Inhibitor of Glycogen Phosphorylase Reveals the Basicity of the Catalytic Site. <i>Chemistry - A European Journal</i> , 2017, 23, .	3.3	0
61	Crystallographic studies on acyl ureas, a new class of inhibitors of glycogen phosphorylase. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2005, 61, c182-c182.	0.3	0
62	A glucose-based molecular rotor inhibitor of glycogen phosphorylase as a probe of cellular enzymatic function. <i>Organic and Biomolecular Chemistry</i> , 2022, , .	2.8	0