Evangelia D Chrysina

List of Publications by Year
in descending order

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	Molecular investigation of artificial and natural sweeteners as potential anti-inflammatory agents. Journal of Biomolecular Structure and Dynamics, 2022, 40, 12608-12620.	3.5	7
2	A glucose-based molecular rotor inhibitor of glycogen phosphorylase as a probe of cellular enzymatic function. Organic and Biomolecular Chemistry, 2022, , .	2.8	0
3	Formation and physicochemical properties of glycogen phosphorylase in complex with a cationic polyelectrolyte. International Journal of Biological Macromolecules, 2022, 206, 371-380.	7.5	1
4	Synthesis, Kinetic and Conformational Studies of 2-Substituted-5-(Î²-d-glucopyranosyl)-pyrimidin-4-ones as Potential Inhibitors of Glycogen Phosphorylase. Molecules, 2020, 25, 5463.	3.8	1
5	XynDZ5: A New Thermostable GH10 Xylanase. Frontiers in Microbiology, 2020, 11, 545.	3.5	20
6	The crystal structure of a FusariumÂoxysporum feruloyl esterase that belongs to the tannase family. FEBS Letters, 2020, 594, 1738-1749.	2.8	15
7	Anomeric Spironucleosides of Î²-d-Glucopyranosyl Uracil as Potential Inhibitors of Glycogen Phosphorylase. Molecules, 2019, 24, 2327.	3.8	8
8	Stimuli-Responsive Lyotropic Liquid Crystalline Nanosystems with Incorporated Poly(2-Dimethylamino) Tj ETQq0 0 0 rgBT /Overlock 10 T	4.5	23
9	Multiscale time-resolved fluorescence study of a glycogen phosphorylase inhibitor combined with quantum chemistry calculations. Physical Chemistry Chemical Physics, 2019, 21, 7685-7696.	2.8	3
10	Rational Drug Design Using Integrative Structural Biology. Methods in Molecular Biology, 2018, 1824, 89-111.	0.9	1
11	Cubic lyotropic liquid crystals as drug delivery carriers: Physicochemical and morphological studies. International Journal of Pharmaceutics, 2018, 550, 57-70.	5.2	34
12	A New Potent Inhibitor of Glycogen Phosphorylase Reveals the Basicity of the Catalytic Site. Chemistry - A European Journal, 2017, 23, 8800-8805.	3.3	11
13	Frontispiece: A New Potent Inhibitor of Glycogen Phosphorylase Reveals the Basicity of the Catalytic Site. Chemistry - A European Journal, 2017, 23, .	3.3	0
14	EstDZ3: A New Esterolytic Enzyme Exhibiting Remarkable Thermostability. Frontiers in Microbiology, 2016, 7, 1779.	3.5	14
15	Metagenomic mining for thermostable esterolytic enzymes uncovers a new family of bacterial esterases. Scientific Reports, 2016, 6, 38886.	3.3	53
16	Synthesis of (benzimidazol-2-yl)aniline derivatives as glycogen phosphorylase inhibitors. Bioorganic and Medicinal Chemistry, 2016, 24, 5423-5430.	3.0	5
17	A common â€˜aggregationâ€proneâ€™ interface possibly participates in the selfâ€assembly of human zona pellucida proteins. FEBS Letters, 2016, 590, 619-630.	2.8	30
18	Glucose-derived spiro-isoxazolines are anti-hyperglycemic agents against type 2 diabetes through glycogen phosphorylase inhibition. European Journal of Medicinal Chemistry, 2016, 108, 444-454.	5.5	69

#	Article	IF	Citations
19	Discovery of the Glycogen Phosphorylase-Modulating Activity of a Resveratrol Glucoside by Using a Virtual Screening Protocol Optimized for Solvation Effects. Planta Medica, 2015, 81, 507-516.	1.3	7
20	Synthesis of N4-aryl-Î²-d-glucopyranosylcytosines: a methodology study. Tetrahedron Letters, 2015, 56, 5549-5552.	1.4	6
21	Efficient Atropodiastereoselective Access to 5,5â€²â€Bisâ€1,2,3â€triazoles: Studies on 1â€Glucosylated 5â€Halogeno 1,2,3â€Triazoles and Their 5â€Substituted Derivatives as Glycogen Phosphorylase Inhibitors. Chemistry - A European Journal, 2014, 20, 5423-5432.	3.3	31
22	Glucopyranosylidene-spiro-iminothiazolidinone, a new bicyclic ring system: Synthesis, derivatization, and evaluation for inhibition of glycogen phosphorylase by enzyme kinetic and crystallographic methods. Bioorganic and Medicinal Chemistry, 2014, 22, 4028-4041.	3.0	10
23	An Nâ€terminal proâ€atrial natriuretic peptide (NTâ€proANP) â€˜aggregationâ€proneâ€™ segment involved in isolated atrial amyloidosis. FEBS Letters, 2014, 588, 52-57.	2.8	25
24	The structure of a novel glucuronoyl esterase fromMyceliophthora thermophilagives new insights into its role as a potential biocatalyst. Acta Crystallographica Section D: Biological Crystallography, 2013, 69, 63-73.	2.5	38
25	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
26	C-Glucosylated malonitrile as a key intermediate towards carbohydrate-based glycogen phosphorylase inhibitors. Bioorganic and Medicinal Chemistry, 2012, 20, 5592-5599.	3.0	8
27	The structure of a GH10 xylanase fromFusarium oxysporumreveals the presence of an extended loop on top of the catalytic cleft. Acta Crystallographica Section D: Biological Crystallography, 2012, 68, 735-742.	2.5	12
28	N-(4-Substituted-benzoyl)-Nâ€²-(Î²-d-glucopyranosyl)ureas as inhibitors of glycogen phosphorylase: Synthesis and evaluation by kinetic, crystallographic, and molecular modelling methods. Bioorganic and Medicinal Chemistry, 2012, 20, 1801-1816.	3.0	13
29	Halogen-substituted (C-Î²-d-glucopyranosyl)-hydroquinone regioisomers: Synthesis, enzymatic evaluation and their binding to glycogen phosphorylase. Bioorganic and Medicinal Chemistry, 2011, 19, 5125-5136.	3.0	5
30	Synthesis of variously coupled conjugates of d-glucose, 1,3,4-oxadiazole, and 1,2,3-triazole for inhibition of glycogen phosphorylase. Carbohydrate Research, 2011, 346, 1427-1438.	2.3	49
31	From Structure â€“ Based to Knowledge â€“ Based Drug Design Through X-Ray Protein Crystallography: Sketching Glycogen Phosphorylase Binding Sites. Current Medicinal Chemistry, 2011, 18, 2620-2629.	2.4	22
32	Synthesis of new glycosyl biuret and urea derivatives as potential glycoenzyme inhibitors. Carbohydrate Research, 2010, 345, 208-213.	2.3	15
33	The binding of Î²-d-glucopyranosyl-thiosemicarbazone derivatives to glycogen phosphorylase: A new class of inhibitors. Bioorganic and Medicinal Chemistry, 2010, 18, 7911-7922.	3.0	28
34	The Prototype of Glycogen Phosphorylase. Mini-Reviews in Medicinal Chemistry, 2010, 10, 1093-1101.	2.4	42
35	Amide-1,2,3-triazole bioisosterism: the glycogen phosphorylase case. Tetrahedron: Asymmetry, 2009, 20, 733-740.	1.8	61
36	Glucose-based spiro-isoxazolines: A new family of potent glycogen phosphorylase inhibitors. Bioorganic and Medicinal Chemistry, 2009, 17, 7368-7380.	3.0	59

#	Article	IF	Citations
37	High-resolution crystal structures of ribonuclease A complexed with adenylic and uridylic nucleotide inhibitors. Implications for structure-based design of ribonucleolytic inhibitors. Protein Science, 2009, 12, 2559-2574.	7.6	49
38	Crystallographic and computational studies on 4â€²phenylâ€²Nâ€²(Î²â€²<scp>D</scp>â€²glucopyranosyl)â€²1Hâ€²1,2,3â€²triazoleâ€²1â€²acetamide, an inhibitor of glycogen phosphorylase: Comparison with Îµâ€²<scp>D</scp>â€²glucose, Nâ€²acetylâ€²Î²â€²<scp>D</scp>â€²glucopyranosylamine and Nâ€²benzoylâ€²Nâ€²â€²Î²â€²<scp>D</scp>â€²glucopyranosyl urea binding. Proteins: Structure, Function and Bioinformatics, 2008, 71, 1307-1323.	2.6	25
39	New Inhibitors of Glycogen Phosphorylase as Potential Antidiabetic Agents. Current Medicinal Chemistry, 2008, 15, 2933-2983.	2.4	133
40	In the Search of Glycogen Phosphorylase Inhibitors: Synthesis of C-D-Glycopyranosylbenzo(hydro)quinones â€“ Inhibition of and Binding to Glycogen Phosphorylase in the Crystal. European Journal of Organic Chemistry, 2007, 2007, 596-606.	2.4	27
41	Crystallographic studies on two bioisosteric analogues, N-acetyl-Î²-d-glucopyranosylamine and N-trifluoroacetyl-Î²-d-glucopyranosylamine, potent inhibitors of muscle glycogen phosphorylase. Bioorganic and Medicinal Chemistry, 2006, 14, 181-189.	3.0	24
42	Binding of oxalyl derivatives of Î²-d-glucopyranosylamine to muscle glycogen phosphorylase b. Bioorganic and Medicinal Chemistry, 2006, 14, 3872-3882.	3.0	13
43	Crystallographic studies on N-azidoacetyl-Î²-d-glucopyranosylamine, an inhibitor of glycogen phosphorylase: Comparison with N-acetyl-Î²-d-glucopyranosylamine. Bioorganic and Medicinal Chemistry, 2006, 14, 5316-5324.	3.0	10
44	Binding of Î²-d-glucopyranosyl bismethoxyphosphoramidate to glycogen phosphorylase b: kinetic and crystallographic studies. Bioorganic and Medicinal Chemistry, 2005, 13, 765-772.	3.0	16
45	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
46	Glycogen phosphorylase inhibitors: A free energy perturbation analysis of glucopyranose spirohydantoin analogues. Proteins: Structure, Function and Bioinformatics, 2005, 61, 984-998.	2.6	25
47	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
48	Indirubin-3-Aminooxy-Acetate Inhibits Glycogen Phosphorylase by Binding at the Inhibitor and the Allosteric Site. Broad Specificities of the Two Sites. Letters in Drug Design and Discovery, 2005, 2, 377-390.	0.7	8
49	Kinetic and crystallographic studies on 2-(Â-D-glucopyranosyl)-5-methyl-1, 3, 4-oxadiazole, -benzothiazole, and -benzimidazole, inhibitors of muscle glycogen phosphorylase b. Evidence for a new binding site. Protein Science, 2005, 14, 873-888.	7.6	77
50	Crystallographic studies on acyl ureas, a new class of inhibitors of glycogen phosphorylase. Acta Crystallographica Section A: Foundations and Advances, 2005, 61, c182-c182.	0.3	0
51	Binding of the potential antitumour agent indirubin-5-sulphonate at the inhibitor site of rabbit muscle glycogen phosphorylaseâ€ƒb. FEBS Journal, 2004, 271, 2280-2290.	0.2	33
52	Kinetic and modelling studies on the lipase catalysed enantioselective esterification of (Â±)-perillyl alcohol. Journal of Molecular Catalysis B: Enzymatic, 2004, 29, 9-12.	1.8	9
53	Crystal structure of rabbit muscle glycogen phosphorylase a in complex with a potential hypoglycaemic drug at 2.0 Ã... resolution. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2003, 1647, 325-332.	2.3	19
54	Crystallization and preliminary X-ray crystallographic analysis ofSclerotium rolfsiilectin. Acta Crystallographica Section D: Biological Crystallography, 2003, 59, 363-365.	2.5	5

#	Article	IF	Citations
55	The binding of Î²- and Î³-cyclodextrins to glycogen phosphorylase b: Kinetic and crystallographic studies. Protein Science, 2003, 12, 1914-1924.	7.6	48
56	Crystallographic Studies on Î±- and Î²-D-glucopyranosyl Formamide Analogues, Inhibitors of Glycogen Phosphorylase. Biocatalysis and Biotransformation, 2003, 21, 233-242.	2.0	22
57	Structural Studies on Phospho-CDK2/Cyclin A Bound to Nitrate, a Transition State Analogue:Â Implications for the Protein Kinase Mechanismâ€,â€¡. Biochemistry, 2002, 41, 7301-7311.	2.5	44
58	Binding of N -acetyl-N â€Šâ€²-Î²-d -glucopyranosyl urea and N -benzoyl-N â€Šâ€²-Î²-d -glucopyranosyl urea to glycogen phosphorylase b. FEBS Journal, 2002, 269, 1684-1696.	6.2	66
59	Role of conserved residues in structure and stability: Tryptophans of human serum retinolâ€binding protein, a model for the lipocalin superfamily. Protein Science, 2001, 10, 2301-2316.	7.6	72
60	Crystal Structures of Apo- and Holo-bovine Î±-Lactalbumin at 2.2-Ã… Resolution Reveal an Effect of Calcium on Inter-lobe Interactions. Journal of Biological Chemistry, 2000, 275, 37021-37029.	3.4	224
61	The structure of glycogen phosphorylase b with an alkyldihydropyridine-dicarboxylic acid compound, a novel and potent inhibitor. Structure, 1997, 5, 1413-1425.	3.3	82
62	Glucofuranose analogues of hydantocidin. Tetrahedron, 1996, 52, 10721-10736.	1.9	23