Efthimios Kyriakis

List of Publications by Year
in descending order

15	224	1039880 9	996849 15
papers	citations	h-index	g-index

15	15	15	287
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Biochemical and biological assessment of the inhibitory potency of extracts from vinification byproducts of Vitis vinifera extracts against glycogen phosphorylase. Food and Chemical Toxicology, 2014, 67, 35-43.	1.8	35
2	Natural flavonoids as antidiabetic agents. The binding of gallic and ellagic acids to glycogen phosphorylase b. FEBS Letters, 2015, 589, 1787-1794.	1.3	31
3	Phytogenic Polyphenols as Glycogen Phosphorylase Inhibitors: The Potential of Triterpenes and Flavonoids for Glycaemic Control in Type 2 Diabetes. Current Medicinal Chemistry, 2017, 24, 384-403.	1.2	30
4	A multidisciplinary study of 3-(Î²- d -glucopyranosyl)-5-substituted-1,2,4-triazole derivatives as glycogen phosphorylase inhibitors: Computation, synthesis, crystallography and kinetics reveal new potent inhibitors. European Journal of Medicinal Chemistry, 2018, 147, 266-278.	2.6	22
5	Nanomolar Inhibitors of Glycogen Phosphorylase Based on Î²-<scp>d</scp>-Glucosaminyl Heterocycles: A Combined Synthetic, Enzyme Kinetic, and Protein Crystallography Study. Journal of Medicinal Chemistry, 2017, 60, 9251-9262.	2.9	18
6	Probing the Î²-pocket of the active site of human liver glycogen phosphorylase with 3-(C-Î²-d-glucopyranosyl)-5-(4-substituted-phenyl)-1, 2, 4-triazole inhibitors. Bioorganic Chemistry, 2018, 77, 485-493.	2.0	18
7	van der Waals interactions govern C-Î²-d-glucopyranosyl triazolesâ€™ nM inhibitory potency in human liver glycogen phosphorylase. Journal of Structural Biology, 2017, 199, 57-67.	1.3	15
8	Glucopyranosylidene-spiro-imidazolinones, a New Ring System: Synthesis and Evaluation as Glycogen Phosphorylase Inhibitors by Enzyme Kinetics and X-ray Crystallography. Journal of Medicinal Chemistry, 2019, 62, 6116-6136.	2.9	14
9	Synthetic flavonoid derivatives targeting the glycogen phosphorylase inhibitor site: QM/MM-PBSA motivated synthesis of substituted 5,7-dihydroxyflavones, crystallography, in vitro kinetics and ex-vivo cellular experiments reveal novel potent inhibitors. Bioorganic Chemistry, 2020, 102, 104003.	2.0	13
10	High Consistency of Structure-Based Design and X-Ray Crystallography: Design, Synthesis, Kinetic Evaluation and Crystallographic Binding Mode Determination of Biphenyl-N-acyl-Î²-d-Glucopyranosylamines as Glycogen Phosphorylase Inhibitors. Molecules, 2019, 24, 1322.	1.7	8
11	The architecture of hydrogen and sulfur Ïƒ-hole interactions explain differences in the inhibitory potency of C-Î²-d-glucopyranosyl thiazoles, imidazoles and an N-Î²-d glucopyranosyl tetrazole for human liver glycogen phosphorylase and offer new insights to structure-based design. Bioorganic and Medicinal Chemistry, 2020, 28, 115196.	1.4	5
12	Glycogen phosphorylase revisited: extending the resolution of the R- and T-state structures of the free enzyme and in complex with allosteric activators. Acta Crystallographica Section F, Structural Biology Communications, 2021, 77, 303-311.	0.4	5
13	Affinity Crystallography Reveals the Bioactive Compounds of Industrial Juicing Byproducts of Punica granatum for Glycogen Phosphorylase. Current Drug Discovery Technologies, 2018, 15, 41-53.	0.6	4
14	Mutagenesis of a Lotus japonicus GSK3Î²/Shaggy-like kinase reveals functionally conserved regulatory residues. Phytochemistry, 2021, 186, 112707.	1.4	4
15	Structure activity relationship of the binding of p-coumaroyl glucose to glycogen phosphorylase and its effect on hepatic cell metabolic pathways. European Journal of Medicinal Chemistry Reports, 2021, 3, 100011.	0.6	2