

# Beata Flachner

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

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citations

759233

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794594

19  
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20  
docs citations

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times ranked

382  
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of Phosphate Chain Mobility of MgATP in Completing the 3-Phosphoglycerate Kinase Catalytic Site: A Binding, Kinetic, and Crystallographic Studies with ATP and MgATP. <i>Biochemistry</i> , 2004, 43, 3436-3449.	2.5	46
2	Crystallographic and Thiol-Reactivity Studies on the Complex of Pig Muscle Phosphoglycerate Kinase with ATP Analogues: Correlation between Nucleotide Binding Mode and Helix Flexibility. <i>Biochemistry</i> , 2002, 41, 8796-8806.	2.5	33
3	Correlation between conformational stability of the ternary enzyme-substrate complex and domain closure of 3-phosphoglycerate kinase. <i>FEBS Journal</i> , 2005, 272, 1867-1885.	4.7	28
4	Substrate-induced double sided H-bond network as a means of domain closure in 3-phosphoglycerate kinase. <i>FEBS Letters</i> , 2006, 580, 2698-2706.	2.8	28
5	Substrate-Assisted Movement of the Catalytic Lys 215 during Domain Closure: Site-Directed Mutagenesis Studies of Human 3-Phosphoglycerate Kinase. <i>Biochemistry</i> , 2005, 44, 16853-16865.	2.5	26
6	Communication between the Nucleotide Site and the Main Molecular Hinge of 3-Phosphoglycerate Kinase. <i>Biochemistry</i> , 2008, 47, 6735-6744.	2.5	24
7	Nucleotide Binding to Pig Muscle 3-Phosphoglycerate Kinase in the Crystal and in Solution: A Relationship between Substrate Antagonism and Interdomain Communication. <i>Biochemistry</i> , 2002, 41, 111-119.	2.5	22
8	Combination of 2D/3D Ligand-Based Similarity Search in Rapid Virtual Screening from Multimillion Compound Repositories. Selection and Biological Evaluation of Potential PDE4 and PDE5 Inhibitors. <i>Molecules</i> , 2014, 19, 7008-7039.	3.8	22
9	A Chemocentric Approach to the Identification of Cancer Targets. <i>PLoS ONE</i> , 2012, 7, e35582.	2.5	19
10	Structure-Based Consensus Scoring Scheme for Selecting Class A Aminergic GPCR Fragments. <i>Journal of Chemical Information and Modeling</i> , 2016, 56, 412-422.	5.4	16
11	Interaction of human 3-phosphoglycerate kinase with l-ADP, the mirror image of d-ADP. <i>Biochemical and Biophysical Research Communications</i> , 2008, 366, 994-1000.	2.1	14
12	Thermodynamic analysis of substrate induced domain closure of 3-phosphoglycerate kinase. <i>FEBS Letters</i> , 2009, 583, 3660-3664.	2.8	13
13	Identification of potential glutaminy cyclase inhibitors from lead-like libraries by in silico and in vitro fragment-based screening. <i>Molecular Diversity</i> , 2017, 21, 175-186.	3.9	13
14	Design and Selection of Novel C1s Inhibitors by In Silico and In Vitro Approaches. <i>Molecules</i> , 2019, 24, 3641.	3.8	11
15	Role of side chains in the operation of the main molecular hinge of 3-phosphoglycerate kinase. <i>FEBS Letters</i> , 2008, 582, 1335-1340.	2.8	8
16	Combination of Pharmacophore Matching, 2D Similarity Search, and <i>In Vitro</i> Biological Assays in the Selection of Potential 5-HT <sub>6</sub> Antagonists from Large Commercial Repositories. <i>Chemical Biology and Drug Design</i> , 2015, 86, 864-880.	3.2	6
17	Rapid Identification of Potential Drug Candidates from Multi-Million Compounds™ Repositories. Combination of 2D Similarity Search with 3D Ligand/Structure Based Methods and In Vitro Screening. <i>Molecules</i> , 2021, 26, 5593.	3.8	5
18	Rapid in silico selection of an MCHR1 antagonists™ focused library from multi-million compounds™ repositories: biological evaluation. <i>Medicinal Chemistry Research</i> , 2014, 23, 1234-1247.	2.4	3

#	ARTICLE	IF	CITATIONS
19	A versatile modular vector set for optimizing protein expression among bacterial, yeast, insect and mammalian hosts. PLoS ONE, 2019, 14, e0227110.	2.5	3
20	Robust Recombinant Expression of Human Placental Ribonuclease Inhibitor in Insect Cells. Biomolecules, 2022, 12, 273.	4.0	1