Beta G Vrtessy

List of Publications by Citations

144 papers	6,726 citations	32 h-index	80 g-index
157 ext. papers	7,683 ext. citations	5.7 avg, IF	4.97 L-index

#	Paper	IF	Citations
144	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838
143	Keeping uracil out of DNA: physiological role, structure and catalytic mechanism of dUTPases. *Accounts of Chemical Research*, **2009**, 42, 97-106	24.3	174
142	Structural Biology and Regulation of Protein Import into the Nucleus. *Journal of Molecular Biology*, **2016**, 428, 2060-90	6.5	140
141	Elasticity of the human red cell membrane skeleton. Effects of temperature and denaturants. *Biophysical Journal*, **1989**, 55, 255-62	2.9	92
140	Structural insights into the catalytic mechanism of phosphate ester hydrolysis by dUTPase. *Journal of Biological Chemistry*, **2004**, 279, 42907-15	5.4	66
139	Simultaneous binding of drugs with different chemical structures to Ca2+-calmodulin: crystallographic and spectroscopic studies. *Biochemistry*, **1998**, 37, 15300-10	3.2	63
138	Alternative binding of two sequential glycolytic enzymes to microtubules. Molecular studies in the phosphofructokinase/aldolase/microtubule system. *Journal of Biological Chemistry*, **1997**, 272, 25542-6	5.4	61
137	Elevated APOBEC3B expression drives a kataegic-like mutation signature and replication stress-related therapeutic vulnerabilities in p53-defective cells. *British Journal of Cancer*, **2017**, 117, 113-123	8.7	59
136	Active site of mycobacterial dUTPase: structural characteristics and a built-in sensor. *Biochemical and Biophysical Research Communications*, **2008**, 373, 8-13	3.4	55
135	Kinetic mechanism of human dUTPase, an essential nucleotide pyrophosphatase enzyme. *Journal of Biological Chemistry*, **2007**, 282, 33572-33582	5.4	50
134	Uracil-containing DNA in Drosophila: stability, stage-specific accumulation, and developmental involvement. *PLoS Genetics*, **2012**, 8, e1002738	6	49
133	Aromatic stacking between nucleobase and enzyme promotes phosphate ester hydrolysis in dUTPase. *Nucleic Acids Research*, **2010**, 38, 7179-86	20.1	48
132	Active site closure facilitates juxtaposition of reactant atoms for initiation of catalysis by human dUTPase. *FEBS Letters*, **2007**, 581, 4783-8	3.8	48
131	Flexible glycine rich motif of Escherichia coli deoxyuridine triphosphate nucleotidohydrolase is important for functional but not for structural integrity of the enzyme **1997**, 28, 568-579		47
130	Quantitative determination of uracil residues in Escherichia coli DNA: Contribution of ung, dug, and dut genes to uracil avoidance. *DNA Repair*, **2006**, 5, 1407-20	4.3	46
129	p53 controls expression of the DNA deaminase APOBEC3B to limit its potential mutagenic activity in cancer cells. *Nucleic Acids Research*, **2017**, 45, 11056-11069	20.1	41
128	Catalytic and structural role of the metal ion in dUTP pyrophosphatase. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 5670-5	11.5	41

127	Flexible segments modulate co-folding of dUTPase and nucleocapsid proteins. *Nucleic Acids Research*, **2007**, 35, 495-505	20.1	40
126	A simple approach to detect active-site-directed enzyme-enzyme interactions. The aldolase/glycerol-phosphate-dehydrogenase enzyme system. *FEBS Journal*, **1987**, 164, 655-9		40
125	Altered subunit communication in subfamilies of trimeric dUTPases. *Biochemical and Biophysical Research Communications*, **2000**, 279, 534-42	3.4	39
124	The control of cell metabolism for homogeneous vs. heterogeneous enzyme systems. *Journal of Theoretical Biology*, **1988**, 130, 407-22	2.3	39
123	The dUTPase enzyme is essential in Mycobacterium smegmatis. *PLoS ONE*, **2012**, 7, e37461	3.7	38
122	Immobilization of Phenylalanine Ammonia-Lyase on Single-Walled Carbon Nanotubes for Stereoselective Biotransformations in Batch and Continuous-Flow Modes. *ChemCatChem*, **2015**, 7, 1122-1128	5.2	36
121	Altered active site flexibility and a structural metal-binding site in eukaryotic dUTPase: kinetic characterization, folding, and crystallographic studies of the homotrimeric Drosophila enzyme. *Journal of Biological Chemistry*, **2004**, 279, 17932-44	5.4	36
120	A new potent calmodulin antagonist with arylalkylamine structure: crystallographic, spectroscopic and functional studies. *Journal of Molecular Biology*, **2000**, 297, 747-55	6.5	36
119	The complete triphosphate moiety of non-hydrolyzable substrate analogues is required for a conformational shift of the flexible C-terminus in E. coli dUTP pyrophosphatase. *FEBS Letters*, **1998**, 421, 83-8	3.8	35
118	Phenylalanine Ammonia-Lyase-Catalyzed Deamination of an Acyclic Amino Acid: Enzyme Mechanistic Studies Aided by a Novel Microreactor Filled with Magnetic Nanoparticles. *ChemBioChem*, **2015**, 16, 2283-8	3.8	34
117	Specific derivatization of the active site tyrosine in dUTPase perturbs ligand binding to the active site. *Biochemical and Biophysical Research Communications*, **1996**, 219, 294-300	3.4	34
116	Silicon carbide quantum dots for bioimaging. *Journal of Materials Research*, **2013**, 28, 205-209	2.5	33
115	Improving thermostability and catalytic activity of pyranose 2-oxidase from Trametes multicolor by rational and semi-rational design. *FEBS Journal*, **2009**, 276, 776-92	5.7	33
114	Characterization of microtubule-phosphofructokinase complex: specific effects of MgATP and vinblastine. *Biochemistry*, **1997**, 36, 2051-62	3.2	32
113	Developmental regulation of dUTPase in Drosophila melanogaster. *Journal of Biological Chemistry*, **2004**, 279, 22362-70	5.4	32
112	Highly potent dUTPase inhibition by a bacterial repressor protein reveals a novel mechanism for gene expression control. *Nucleic Acids Research*, **2014**, 42, 11912-20	20.1	31
111	Shared developmental roles and transcriptional control of autophagy and apoptosis in Caenorhabditis elegans. *Journal of Cell Science*, **2011**, 124, 1510-8	5.3	30
110	A one-step method for quantitative determination of uracil in DNA by real-time PCR. *Nucleic Acids Research*, **2010**, 38, e196	20.1	30

109	Pyruvate kinase as a microtubule destabilizing factor in vitro. *Biochemical and Biophysical Research Communications*, **1999**, 254, 430-5	3.4	28
108	From "fluctuation fit" to "conformational selection": evolution, rediscovery, and integration of a concept. *BioEssays*, **2011**, 33, 30-4	4.1	27
107	Nucleotide pyrophosphatase employs a P-loop-like motif to enhance catalytic power and NDP/NTP discrimination. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 14437-42	11.5	27
106	Methylene substitution at the alpha-beta bridging position within the phosphate chain of dUDP profoundly perturbs ligand accommodation into the dUTPase active site. *Proteins: Structure, Function and Bioinformatics*, **2008**, 71, 308-19	4.2	27
105	A tradeoff between protein stability and conformational mobility in homotrimeric dUTPases. *FEBS Letters*, **2004**, 566, 48-54	3.8	27
104	Phosphorylation adjacent to the nuclear localization signal of human dUTPase abolishes nuclear import: structural and mechanistic insights. *Acta Crystallographica Section D: Biological Crystallography*, **2013**, 69, 2495-505		26
103	Neutron scattering studies on dUTPase complex in the presence of bioprotectant systems. *Chemical Physics*, **2008**, 345, 250-258	2.3	26
102	Covalently immobilized Trp60Cys mutant of ?transaminase from Chromobacterium violaceum for kinetic resolution of racemic amines in batch and continuous-flow modes. *Biochemical Engineering Journal*, **2018**, 132, 270-278	4.2	24
101	Preventive DNA repair by sanitizing the cellular (deoxy)nucleoside triphosphate pool. *FEBS Journal*, **2014**, 281, 4207-23	5.7	24
100	Enhanced cellular uptake of a new, in silico identified antitubercular candidate by peptide conjugation. *Bioconjugate Chemistry*, **2012**, 23, 900-7	6.3	24
99	Triosephosphate isomerase deficiency: predictions and facts. *Journal of Theoretical Biology*, **1996**, 182, 437-47	2.3	24
98	Mutations Decouple Proton Transfer from Phosphate Cleavage in the dUTPase Catalytic Reaction. *ACS Catalysis*, **2015**, 5, 3225-3237	13.1	22
97	Anti-calmodulin potency of indol alkaloids in in vitro systems. *European Journal of Pharmacology*, **1995**, 291, 73-82		22
96	A viral suppressor of RNA silencing inhibits ARGONAUTE 1 function by precluding target RNA binding to pre-assembled RISC. *Nucleic Acids Research*, **2017**, 45, 7736-7750	20.1	21
95	Molecular shape and prominent role of beta-strand swapping in organization of dUTPase oligomers. *FEBS Letters*, **2009**, 583, 865-71	3.8	21
94	Interaction of a new bis-indol derivative, KAR-2 with tubulin and its antimitotic activity. *British Journal of Pharmacology*, **1997**, 121, 947-54	8.6	21
93	Specific characteristics of phosphofructokinase-microtubule interaction. *FEBS Letters*, **1996**, 379, 191-5	3.8	21
92	Identification of tyrosine as a functional residue in the active site of Escherichia coli dUTPase. *BBA - Proteins and Proteomics*, **1994**, 1205, 146-50		21

91	Immobilized Whole-Cell Transaminase Biocatalysts for Continuous-Flow Kinetic Resolution of Amines. *Catalysts*, **2019**, 9, 438	4	20
90	Structural Characterization of Arginine Fingers: Identification of an Arginine Finger for the Pyrophosphatase dUTPases. *Journal of the American Chemical Society*, **2016**, 138, 15035-15045	16.4	20
89	Detection of uracil within DNA using a sensitive labeling method for in vitro and cellular applications. *Nucleic Acids Research*, **2016**, 44, e28	20.1	20
88	Structure and enzymatic mechanism of a moonlighting dUTPase. *Acta Crystallographica Section D: Biological Crystallography*, **2013**, 69, 2298-308		20
87	Composite aromatic boxes for enzymatic transformations of quaternary ammonium substrates. *Angewandte Chemie - International Edition*, **2014**, 53, 13471-6	16.4	19
86	Dynamics of re-constitution of the human nuclear proteome after cell division is regulated by NLS-adjacent phosphorylation. *Cell Cycle*, **2014**, 13, 3551-64	4.7	19
85	A novel fruitfly protein under developmental control degrades uracil-DNA. *Biochemical and Biophysical Research Communications*, **2007**, 355, 643-8	3.4	18
84	dUTPase and nucleocapsid polypeptides of the Mason-Pfizer monkey virus form a fusion protein in the virion with homotrimeric organization and low catalytic efficiency. *Journal of Biological Chemistry*, **2003**, 278, 38803-12	5.4	18
83	Investigations of homologous disaccharides by elastic incoherent neutron scattering and wavelet multiresolution analysis. *Chemical Physics*, **2013**, 424, 56-61	2.3	17
82	Cellular response to efficient dUTPase RNAi silencing in stable HeLa cell lines perturbs expression levels of genes involved in thymidylate metabolism. *Nucleosides, Nucleotides and Nucleic Acids*, **2011**, 30, 369-90	1.4	17
81	Proteins with complex architecture as potential targets for drug design: a case study of Mycobacterium tuberculosis. *PLoS Computational Biology*, **2011**, 7, e1002118	5	17
80	Modulation of the interaction between aldolase and glycerol-phosphate dehydrogenase by fructose phosphates. *BBA - Proteins and Proteomics*, **1991**, 1078, 236-42		17
79	The nucleotidohydrolases DCTPP1 and dUTPase are involved in the cellular response to decitabine. *Biochemical Journal*, **2016**, 473, 2635-43	3.8	17
78	Cross-species inhibition of dUTPase via the Staphylococcal Stl protein perturbs dNTP pool and colony formation in Mycobacterium. *DNA Repair*, **2015**, 30, 21-7	4.3	16
77	Expression and properties of the highly alkalophilic phenylalanine ammonia-lyase of thermophilic Rubrobacter xylanophilus. *PLoS ONE*, **2014**, 9, e85943	3.7	16
76	Evolutionary and mechanistic insights into substrate and product accommodation of CTP:phosphocholine cytidylyltransferase from Plasmodium falciparum. *FEBS Journal*, **2013**, 280, 3132-48	5.7	15
75	The interaction of a new anti-tumour drug, KAR-2 with calmodulin. *British Journal of Pharmacology*, **1997**, 121, 955-62	8.6	14
74	Life without dUTPase. *Frontiers in Microbiology*, **2016**, 7, 1768	5.7	14

73	The First Enantioselective Total Synthesis of (-)-trans-Dihydronarciclasine. *Journal of Natural Products*, **2017**, 80, 1909-1917	4.9	13
72	Differential control of dNTP biosynthesis and genome integrity maintenance by the dUTPase superfamily enzymes. *Scientific Reports*, **2017**, 7, 6043	4.9	13
71	Evidence-Based Structural Model of the Staphylococcal Repressor Protein: Separation of Functions into Different Domains. *PLoS ONE*, **2015**, 10, e0139086	3.7	13
70	Study of solvent-protein coupling effects by neutron scattering. *Journal of Biological Physics*, **2010**, 36, 207-20	1.6	13
69	Multidimensional NMR identifies the conformational shift essential for catalytic competence in the 60-kDa Drosophila melanogaster dUTPase trimer. *Journal of Biological Chemistry*, **2004**, 279, 17945-50	5.4	13
68	Enzymatic degradation of poly-[(R)-3-hydroxybutyrate]: Mechanism, kinetics, consequences. *International Journal of Biological Macromolecules*, **2018**, 112, 156-162	7.9	12
67	Catalytic mechanism of phosphate attack in dUTPase is revealed by X-ray crystallographic snapshots of distinct intermediates, 31P-NMR spectroscopy and reaction path modelling. *Nucleic Acids Research*, **2013**, 41, 10542-55	20.1	12
66	Dissociation of calmodulin-target peptide complexes by the lipid mediator sphingosylphosphorylcholine: implications in calcium signaling. *Journal of Biological Chemistry*, **2010**, 285, 1799-808	5.4	12
65	Molecular mechanisms of survival strategies in extreme conditions. *Life*, **2012**, 2, 364-76	3	12
64	Direct contacts between conserved motifs of different subunits provide major contribution to active site organization in human and mycobacterial dUTPases. *FEBS Letters*, **2010**, 584, 3047-54	3.8	12
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62	Discovery of novel MDR-Mycobacterium tuberculosis inhibitor by new FRIGATE computational screen. *PLoS ONE*, **2011**, 6, e28428	3.7	10
61	Assessment of Tractable Cysteines for Covalent Targeting by Screening Covalent Fragments. *ChemBioChem*, **2021**, 22, 743-753	3.8	10
60	Structural model of human dUTPase in complex with a novel proteinaceous inhibitor. *Scientific Reports*, **2018**, 8, 4326	4.9	9
59	Molecular cloning and characterization of a thermostable esterase/lipase produced by a novel Anoxybacillus flavithermus strain. *Journal of General and Applied Microbiology*, **2013**, 59, 119-34	1.5	9
58	Perturbation of genome integrity to fight pathogenic microorganisms. *Biochimica Et Biophysica Acta - General Subjects*, **2017**, 1861, 3593-3612	4	8
57	Identification of Extracellular Segments by Mass Spectrometry Improves Topology Prediction of Transmembrane Proteins. *Scientific Reports*, **2017**, 7, 42610	4.9	8
56	A Methylidene Group in the Phosphonic Acid Analogue of Phenylalanine Reverses the Enantiopreference of Binding to Phenylalanine Ammonia-Lyases. *Advanced Synthesis and Catalysis*, **2017**, 359, 2109-2120	5.6	8

55	Unshielding Multidrug Resistant Cancer through Selective Iron Depletion of P-Glycoprotein-Expressing Cells. *Cancer Research*, **2020**, 80, 663-674	10.1	8
54	Trading in cooperativity for specificity to maintain uracil-free DNA. *Scientific Reports*, **2016**, 6, 24219	4.9	8
53	Expanding the DNA alphabet in the fruit fly: uracil enrichment in genomic DNA. *Fly*, **2013**, 7, 23-7	1.3	8
52	Drosophila proteins involved in metabolism of uracil-DNA possess different types of nuclear localization signals. *FEBS Journal*, **2010**, 277, 2142-56	5.7	8
51	Molecular Mechanism for the Thermo-Sensitive Phenotype of CHO-MT58 Cell Line Harbouring a Mutant CTP:Phosphocholine Cytidylyltransferase. *PLoS ONE*, **2015**, 10, e0129632	3.7	8
50	In Vitro Analysis of Predicted DNA-Binding Sites for the Stl Repressor of the Staphylococcus aureus SaPIBov1 Pathogenicity Island. *PLoS ONE*, **2016**, 11, e0158793	3.7	8
49	Highly Sensitive and Rapid Characterization of the Development of Synchronized Blood Stage Malaria Parasites Via Magneto-Optical Hemozoin Quantification. *Biomolecules*, **2019**, 9,	5.9	7
48	Structure and mechanism of calmodulin binding to a signaling sphingolipid reveal new aspects of lipid-protein interactions. *FASEB Journal*, **2010**, 24, 3829-39	0.9	7
47	Substrate Tunnel Engineering Aided by X-ray Crystallography and Functional Dynamics Swaps the Function of MIO-Enzymes. *ACS Catalysis*, **2021**, 11, 4538-4549	13.1	7
46	Association of RNA with the uracil-DNA-degrading factor has major conformational effects and is potentially involved in protein folding. *FEBS Journal*, **2011**, 278, 295-315	5.7	6
45	Crystallization and preliminary X-ray studies of dUTPase from Mason-Pfizer monkey retrovirus. *Acta Crystallographica Section F: Structural Biology Communications*, **2006**, 62, 399-401		6
44	Calpain-catalyzed proteolysis of human dUTPase specifically removes the nuclear localization signal peptide. *PLoS ONE*, **2011**, 6, e19546	3.7	6
43	Structure-based inhibitor design of mutant RAS proteins-a paradigm shift. *Cancer and Metastasis Reviews*, **2020**, 39, 1091-1105	9.6	6
42	The novel technique of vapor pressure analysis to monitor the enzymatic degradation of PHB by HPLC chromatography. *Analytical Biochemistry*, **2017**, 521, 20-27	3.1	5
41	Structural insights into the tyrosine phosphorylation-mediated inhibition of SH3 domain-ligand interactions. *Journal of Biological Chemistry*, **2019**, 294, 4608-4620	5.4	5
40	Mass spectrometry-based analysis of macromolecular complexes of uracil-DNA glycosylase and its inhibitor reveals specific variations due to naturally occurring mutations. *FEBS Open Bio*, **2019**, 9, 420-427	2.7	5
39	Exploring the role of the phage-specific insert of bacteriophage 11 dUTPase. *Structural Chemistry*, **2015**, 26, 1425-1432	1.8	5
38	The Stl repressor from is an efficient inhibitor of the eukaryotic fruitfly dUTPase. *FEBS Open Bio*, **2018**, 8, 158-167	2.7	5

37	Structural determinants of the catalytic mechanism of Plasmodium CCT, a key enzyme of malaria lipid biosynthesis. *Scientific Reports*, **2018**, 8, 11215	4.9	5
36	Beyond Chelation: EDTA Tightly Binds Taq DNA Polymerase, MutT and dUTPase and Directly Inhibits dNTPase Activity. *Biomolecules*, **2019**, 9,	5.9	5
35	Structural characterization of a complex derived from lead(II) perchlorate and acridono-18-crown-6 ether. *Structural Chemistry*, **2015**, 26, 1467-1471	1.8	5
34	NLS copy-number variation governs efficiency of nuclear import--case study on dUTPases. *FEBS Journal*, **2014**, 281, 5463-78	5.7	5
33	Physiological truncation and domain organization of a novel uracil-DNA-degrading factor. *FEBS Journal*, **2010**, 277, 1245-59	5.7	5
32	Genome-wide alterations of uracil distribution patterns in human DNA upon chemotherapeutic treatments. *ELife*, **2020**, 9,	8.9	5
31	Secondary Structure Prediction of Protein Constructs Using Random Incremental Truncation and Vacuum-Ultraviolet CD Spectroscopy. *PLoS ONE*, **2016**, 11, e0156238	3.7	5
30	A Hidden Active Site in the Potential Drug Target Mycobacterium tuberculosis dUTPase Is Accessible through Small Amplitude Protein Conformational Changes. *Journal of Biological Chemistry*, **2016**, 291, 26320-26331	5.4	5
29	An Acridone-Based Fluorescent Chemosensor for Cationic and Anionic Species, and Its Application for Molecular Logic Operations. *ChemistrySelect*, **2019**, 4, 11936-11943	1.8	5
28	The role of enzyme adsorption in the enzymatic degradation of an aliphatic polyester. *Enzyme and Microbial Technology*, **2019**, 120, 110-116	3.8	5
27	Uracil moieties in genomic DNA. *FEBS Open Bio*, **2018**, 8, 1763-1772	2.7	5
26	The metagenomic telescope. *PLoS ONE*, **2014**, 9, e101605	3.7	4
25	Crystallization and preliminary crystallographic analysis of dUTPase from the 11 helper phage of Staphylococcus aureus. *Acta Crystallographica Section F: Structural Biology Communications*, **2011**, 67, 1411-3		4
24	Crystallization and preliminary diffraction analysis of Ca(2+)-calmodulin-drug and apocalmodulin-drug complexes. *Proteins: Structure, Function and Bioinformatics*, **1997**, 28, 131-4	4.2	4
23	A novel phenylalanine ammonia-lyase from kangiella koreensis. *Studia Universitatis Babes-Bolyai Chemia*, **2017**, 62, 293-308	1	4
22	Rapid and quantitative antimalarial drug efficacy testing via the magneto-optical detection of hemozoin. *Scientific Reports*, **2020**, 10, 14025	4.9	4
21	CRISPR/Cas9-Mediated Knock-Out of dUTPase in Mice Leads to Early Embryonic Lethality. *Biomolecules*, **2019**, 9,	5.9	3
20	Bisepoxide Cross-Linked Enzyme Aggregates: New Immobilized Biocatalysts for Selective Biotransformations. *ChemCatChem*, **2014**, 6, n/a-n/a	5.2	3

19	Structural characterization of the crystalline diastereomeric complexes of enantiopure dimethylacridino-18-crown-6 ether and the enantiomers of 1-(1-naphthyl)ethylamine hydrogen perchlorate. *Structural Chemistry*, **2017**, 28, 289-296	1.8	3
18	HDX and Native Mass Spectrometry Reveals the Different Structural Basis for Interaction of the Staphylococcal Pathogenicity Island Repressor Stl with Dimeric and Trimeric Phage dUTPases. *Biomolecules*, **2019**, 9,	5.9	2
17	The Role of a Key Amino Acid Position in Species-Specific Proteinaceous dUTPase Inhibition. *Biomolecules*, **2019**, 9,	5.9	2
16	Evaluation of critical design parameters for RT-qPCR-based analysis of multiple dUTPase isoform genes in mice. *FEBS Open Bio*, **2019**, 9, 1153-1170	2.7	2
15	Synthesis of New Chiral Crown Ethers Containing Phosphine or Secondary Phosphine Oxide Units. *Synthesis*, **2020**, 52, 2870-2882	2.9	2
14	Structural characterization of a sodium perchlorate□cridino-18-crown-6 ether complex. *Structural Chemistry*, **2018**, 29, 113-118	1.8	2
13	Identification of tyrosine as an active site residue involved in the catalytic mechanism of Escherichia coli dUTPase. *Biochemical Society Transactions*, **1994**, 22, 233S	5.1	2
12	Exploiting a Phage-Bacterium Interaction System as a Molecular Switch to Decipher Macromolecular Interactions in the Living Cell. *Viruses*, **2018**, 10,	6.2	2
11	Heterologous expression of CTP:phosphocholine cytidylyltransferase from Plasmodium falciparum rescues Chinese Hamster Ovary cells deficient in the Kennedy phosphatidylcholine biosynthesis pathway. *Scientific Reports*, **2018**, 8, 8932	4.9	2
10	dUTPase expression correlates with cell division potential in Drosophila melanogaster. *FEBS Journal*, **2015**, 282, 1998-2013	5.7	1
9	Functional Analysis on a Naturally Occurring Variant of the Staphylococcus Aureus Uracil DNA Glycosylase Inhibitor. *Periodica Polytechnica: Chemical Engineering*, **2017**,	1.3	1
8	Composite Aromatic Boxes for Enzymatic Transformations of Quaternary Ammonium Substrates. *Angewandte Chemie*, **2014**, 126, 13689-13694	3.6	1
7	Genome-wide alterations of uracil distribution patterns in human DNA upon chemotherapeutic treatments		1
6	Viruses with U-DNA: New Avenues for Biotechnology. *Viruses*, **2021**, 13,	6.2	1
5	What□s in a name? From "fluctuation fit" to "conformational selection": rediscovery of a concept. *History and Philosophy of the Life Sciences*, **2021**, 43, 88	1	1
4	Flexible glycine rich motif of Escherichia coli deoxyuridine triphosphate nucleotidohydrolase is important for functional but not for structural integrity of the enzyme **1997**, 28, 568		1
3	Identification of new reference genes with stable expression patterns for gene expression studies using human cancer and normal cell lines. *Scientific Reports*, **2021**, 11, 19459	4.9	0
2	Factors influencing nucleo-cytoplasmic trafficking: which matter? Response to Alvisi & Jans□ comment on Phosphorylation adjacent to the nuclear localization signal of human dUTPase abolishes nuclear import: structural and mechanistic insights. *Acta Crystallographica Section D: Biological Crystallography*, **2014**, 70, 2777-8		

1	Identification of a nuclear localization signal in the Plasmodium falciparum CTP: phosphocholine cytidylyltransferase enzyme. *Scientific Reports*, **2020**, 10, 19739	4.9