

# Georges Feller

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

3,961  
citations

361413

20  
h-index

361022

35  
g-index

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all docs

38  
docs citations

38  
times ranked

3921  
citing authors

#	ARTICLE	IF	CITATIONS
1	1,2,4-Triazole-3-Thione Analogues with a 2-Ethylbenzoic Acid at Position 4 as VIM-type Metallo- $\beta$ -Lactamase Inhibitors. <i>ChemMedChem</i> , 2022, 17, .	3.2	9
2	Function and versatile location of Met-rich inserts in blue oxidases involved in bacterial copper resistance. <i>Biochimie</i> , 2022, 194, 118-126.	2.6	4
3	Amyrel, a novel glucose-forming $\alpha$ -amylase from <i>Drosophila</i> with 4- $\alpha$ -glucanotransferase activity by disproportionation and hydrolysis of maltooligosaccharides. <i>Glycobiology</i> , 2021, 31, 1134-1144.	2.5	11
4	4-Alkyl-1,2,4-triazole-3-thione analogues as metallo- $\beta$ -lactamase inhibitors. <i>Bioorganic Chemistry</i> , 2021, 113, 105024.	4.1	12
5	4-(N-Alkyl- and -Acyl-amino)-1,2,4-triazole-3-thione Analogs as Metallo- $\beta$ -Lactamase Inhibitors: Impact of 4-Linker on Potency and Spectrum of Inhibition. <i>Biomolecules</i> , 2020, 10, 1094.	4.0	15
6	Structural determinants increasing flexibility confer cold adaptation in psychrophilic phosphoglycerate kinase. <i>Extremophiles</i> , 2019, 23, 495-506.	2.3	13
7	Protein folding at extreme temperatures: Current issues. <i>Seminars in Cell and Developmental Biology</i> , 2018, 84, 129-137.	5.0	35
8	Biochemical and structural characterization of a mannose binding jacalin-related lectin with two-sugar binding sites from pineapple ( <i>Ananas comosus</i> ) stem. <i>Scientific Reports</i> , 2018, 8, 11508.	3.3	17
9	PEGylated and Functionalized Aliphatic Polycarbonate Polyplex Nanoparticles for Intravenous Administration of HDAC5 siRNA in Cancer Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 2181-2195.	8.0	21
10	Deciphering the factors defining the pH-dependence of a commercial glycoside hydrolase family 8 enzyme. <i>Enzyme and Microbial Technology</i> , 2017, 96, 163-169.	3.2	9
11	Cryosphere and Psychrophiles: Insights into a Cold Origin of Life?. <i>Life</i> , 2017, 7, 25.	2.4	35
12	Production, purification, and characterization of a novel cold-active superoxide dismutase from the Antarctic strain <i>Aspergillus glaucus</i> 363. <i>Fungal Biology</i> , 2016, 120, 679-689.	2.5	21
13	A single amino-acid substitution toggles chloride dependence of the alpha-amylase paralog amyrel in <i>Drosophila melanogaster</i> and <i>Drosophila virilis</i> species. <i>Insect Biochemistry and Molecular Biology</i> , 2016, 75, 70-77.	2.7	14
14	Activity-stability relationships revisited in blue oxidases catalyzing electron transfer at extreme temperatures. <i>Extremophiles</i> , 2016, 20, 621-629.	2.3	12
15	Anti-Biofilm Activities from Marine Cold Adapted Bacteria Against <i>Staphylococci</i> and <i>Pseudomonas aeruginosa</i> . <i>Frontiers in Microbiology</i> , 2015, 6, 1333.	3.5	53
16	Multiple disulfide bridges modulate conformational stability and flexibility in hyperthermophilic archaeal purine nucleoside phosphorylase. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2015, 1854, 1458-1465.	2.3	9
17	Functional adaptations of the bacterial chaperone trigger factor to extreme environmental temperatures. <i>Environmental Microbiology</i> , 2015, 17, 2407-2420.	3.8	25
18	Psychrophilic Enzymes: From Folding to Function and Biotechnology. <i>Scientifica</i> , 2013, 2013, 1-28.	1.7	235

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19	Enzymatic characterization of recombinant $\alpha$ -amylase in the <i>Drosophila melanogaster</i> species subgroup: is there an effect of specialization on digestive enzyme?. <i>Genes and Genetic Systems</i> , 2013, 88, 251-259.	0.7	11
20	Optimization to Low Temperature Activity in Psychrophilic Enzymes. <i>International Journal of Molecular Sciences</i> , 2012, 13, 11643-11665.	4.1	191
21	Temperature adaptations in psychrophilic, mesophilic and thermophilic chloride-dependent alpha-amylases. <i>Biochimie</i> , 2012, 94, 1943-1950.	2.6	67
22	How to remain nonfolded and pliable: the linkers in modular $\alpha$ -amylases as a case study. <i>FEBS Journal</i> , 2011, 278, 2333-2340.	4.7	7
23	Stepwise Adaptations to Low Temperature as Revealed by Multiple Mutants of Psychrophilic $\alpha$ -Amylase from Antarctic Bacterium. <i>Journal of Biological Chemistry</i> , 2011, 286, 38348-38355.	3.4	28
24	Protein stability and enzyme activity at extreme biological temperatures. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 323101.	1.8	245
25	Proteomics of life at low temperatures: trigger factor is the primary chaperone in the Antarctic bacterium <i>Pseudoalteromonas haloplanktis</i> TAC125. <i>Molecular Microbiology</i> , 2010, 76, 120-132.	2.5	91
26	Life at low temperatures: is disorder the driving force?. <i>Extremophiles</i> , 2007, 11, 211-216.	2.3	96
27	Psychrophilic microorganisms: challenges for life. <i>EMBO Reports</i> , 2006, 7, 385-389.	4.5	702
28	Microcalorimetry as Applied to Psychrophilic Enzymes. , 2005, , 231-240.		0
29	Coping with cold: The genome of the versatile marine Antarctica bacterium <i>Pseudoalteromonas haloplanktis</i> TAC125. <i>Genome Research</i> , 2005, 15, 1325-1335.	5.5	367
30	Psychrophilic enzymes: hot topics in cold adaptation. <i>Nature Reviews Microbiology</i> , 2003, 1, 200-208.	28.6	969
31	Did psychrophilic enzymes really win the challenge?. <i>Extremophiles</i> , 2001, 5, 313-321.	2.3	62
32	Structural similarities and evolutionary relationships in chloride-dependent $\alpha$ -amylases. <i>Gene</i> , 2000, 253, 95-105.	2.2	94
33	Thermodynamic Stability of a Cold-Active $\alpha$ -Amylase from the Antarctic Bacterium <i>Alteromonas haloplanctis</i> . <i>Biochemistry</i> , 1999, 38, 4613-4619.	2.5	165
34	Structural and Functional Aspects of Chloride Binding to <i>Alteromonas haloplanctis</i> $\alpha$ -Amylase. <i>Journal of Biological Chemistry</i> , 1996, 271, 23836-23841.	3.4	94
35	Enzymes from psychrophilic organisms. <i>FEMS Microbiology Reviews</i> , 1996, 18, 189-202.	8.6	14
36	Stability and structural analysis of alpha-amylase from the antarctic psychrophile <i>Alteromonas haloplanctis</i> A23. <i>FEBS Journal</i> , 1994, 222, 441-447.	0.2	194

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37	Cold-Adapted Enzymes. , 0, , 165-179.		13
38	Polar Microorganisms and Biotechnology. , 0, , 166-180.		1