

# Alain Brans

## List of Publications by Year in descending order

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30  
papers

5,054  
citations

567144

15  
h-index

477173

29  
g-index

31  
all docs

31  
docs citations

31  
times ranked

4958  
citing authors

#	ARTICLE	IF	CITATIONS
1	The complete genome sequence of the Gram-positive bacterium <i>Bacillus subtilis</i> . <i>Nature</i> , 1997, 390, 249-256.	13.7	3,519
2	Surfactin and fengycin lipopeptides of <i>Bacillus subtilis</i> as elicitors of induced systemic resistance in plants. <i>Environmental Microbiology</i> , 2007, 9, 1084-1090.	1.8	694
3	<i>Bacillus amyloliquefaciens</i> GA1 as a source of potent antibiotics and other secondary metabolites for biocontrol of plant pathogens. <i>Microbial Cell Factories</i> , 2009, 8, 63.	1.9	298
4	Engineering a Camelid Antibody Fragment That Binds to the Active Site of Human Lysozyme and Inhibits Its Conversion into Amyloid Fibrils. <i>Biochemistry</i> , 2008, 47, 11041-11054.	1.2	66
5	Crystal Structure of the Sensor Domain of the BlaR Penicillin Receptor from <i>Bacillus licheniformis</i> . <i>Biochemistry</i> , 2003, 42, 12835-12843.	1.2	50
6	Critical Role of Tryptophan 154 for the Activity and Stability of Class D $\beta$ -Lactamases. <i>Biochemistry</i> , 2009, 48, 11252-11263.	1.2	46
7	Surface functionalization of germanium ATR devices for use in FTIR-biosensors. <i>Journal of Colloid and Interface Science</i> , 2009, 332, 408-415.	5.0	45
8	New Integrative Method To Generate <i>Bacillus subtilis</i> Recombinant Strains Free of Selection Markers. <i>Applied and Environmental Microbiology</i> , 2004, 70, 7241-7250.	1.4	41
9	The fate of the BlaI repressor during the induction of the <i>Bacillus licheniformis</i> BlaP $\beta$ -lactamase. <i>Molecular Microbiology</i> , 2002, 44, 685-694.	1.2	35
10	Ligand Binding Study of Human PEBP1/RKIP: Interaction with Nucleotides and Raf-1 Peptides Evidenced by NMR and Mass Spectrometry. <i>PLoS ONE</i> , 2012, 7, e36187.	1.1	29
11	The kinetic properties of the carboxy terminal domain of the <i>Bacillus licheniformis</i> 749/I BlaR penicillin-receptor shed a new light on the derepression of $\beta$ -lactamase synthesis. <i>Molecular Microbiology</i> , 2003, 48, 1553-1564.	1.2	28
12	Purification and Characterization of PBP4a, a New Low-Molecular-Weight Penicillin-Binding Protein from <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , 2001, 183, 1595-1599.	1.0	23
13	Thiamine diphosphate adenylyl transferase from <i>E. coli</i> : functional characterization of the enzyme synthesizing adenosine thiamine triphosphate. <i>BMC Biochemistry</i> , 2007, 8, 17.	4.4	23
14	A Pathway Closely Related to the <i>d</i> -Tagatose Pathway of Gram-Negative Enterobacteria Identified in the Gram-Positive Bacterium <i>Bacillus licheniformis</i> . <i>Applied and Environmental Microbiology</i> , 2013, 79, 3511-3515.	1.4	23
15	Secondary-structure characterization by far-UV CD of highly purified uncoupling protein 1 expressed in yeast. <i>Biochemical Journal</i> , 2004, 380, 139-145.	1.7	17
16	6-Aminopenicillanic acid (6-APA) derivatives equipped with anchoring arms. <i>Tetrahedron</i> , 2012, 68, 10818-10826.	1.0	15
17	Production and characterization of virus-like particles of grapevine fanleaf virus presenting L2 epitope of human papillomavirus minor capsid protein. <i>BMC Biotechnology</i> , 2019, 19, 81.	1.7	15
18	Two different $\beta$ -lactamase genes are present in <i>Streptomyces cacaoi</i> . <i>FEMS Microbiology Letters</i> , 1992, 99, 101-105.	0.7	10

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19	Adsorption Properties of the Penicillin Derivative DTPA on Gold Substrates. <i>ChemPhysChem</i> , 2007, 8, 1071-1076.	1.0	10
20	Folding of Class A $\beta$ -Lactamases Is Rate-Limited by Peptide Bond Isomerization and Occurs via Parallel Pathways. <i>Biochemistry</i> , 2010, 49, 4264-4275.	1.2	10
21	How Quantum Dots Aggregation Enhances Förster Resonant Energy Transfer. <i>ChemPhysChem</i> , 2020, 21, 853-862.	1.0	10
22	Cloning and sequencing of the <i>dnaK</i> locus in <i>Streptomyces coelicolor</i> A3 (2). <i>DNA Sequence</i> , 1996, 6, 179-184.	0.7	9
23	Exploring the suitability of RanBP2-type Zinc Fingers for RNA-binding protein design. <i>Scientific Reports</i> , 2019, 9, 2484.	1.6	9
24	Purification and biochemical characterization of two novel extracellular keratinases with feather-degradation and hide-dehairing potential. <i>Process Biochemistry</i> , 2021, 106, 137-148.	1.8	9
25	Interactions between Avibactam and Ceftazidime-Hydrolyzing Class D $\beta$ -Lactamases. <i>Biomolecules</i> , 2020, 10, 483.	1.8	7
26	Characterisation of the structural, dynamic and aggregation properties of the W64R amyloidogenic variant of human lysozyme. <i>Biophysical Chemistry</i> , 2021, 271, 106563.	1.5	5
27	Product inhibition of mammalian thiamine pyrophosphokinase is an important mechanism for maintaining thiamine diphosphate homeostasis. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2022, 1866, 130071.	1.1	4
28	<i>N</i> -Nitrobenzyl Esters of Penam and Cephem Derivatives as Inhibitors of Penicillin-Binding Proteins. <i>Asian Journal of Organic Chemistry</i> , 2013, 2, 654-661.	1.3	2
29	Use of an automatic DNA sequencer for S1 mapping: transcriptional analysis of the <i>Streptomyces coelicolor</i> A3(2) <i>dnaK</i> operon. <i>FEMS Microbiology Letters</i> , 2006, 149, 189-194.	0.7	1
30	Protein formulation through automated screening of pH and buffer conditions, using the Robotein® high throughput facility. <i>European Biophysics Journal</i> , 2021, 50, 473-490.	1.2	1