Citation Report

Fiser, Radovan (Author) Analyze Results Create Alert

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37
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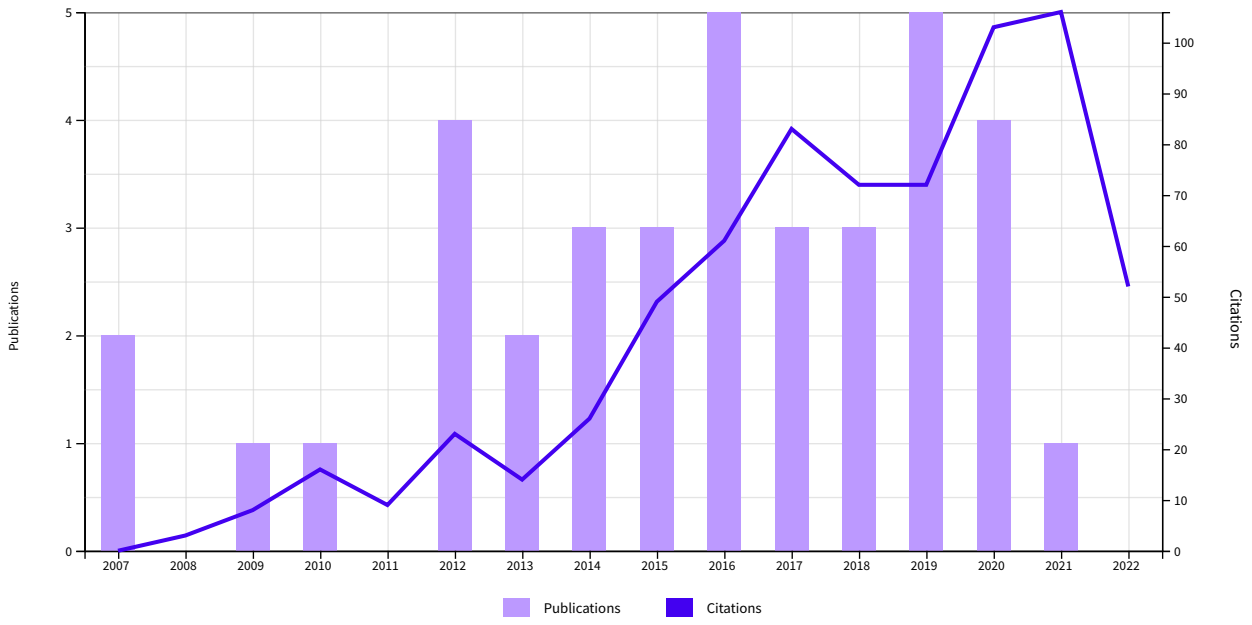

37 Publications

Sort by: **Citations: highest first** 1 of 1

		Citations						
		Previous year				Next year	Average per year	Total
		2018	2019	2020	2021	2022		
	Total	72	72	103	106	52	46.47	697
1	Bordetella Adenylate Cyclase Toxin Mobilizes Its beta(2) Integrin Receptor into Lipid Rafts to Accomplish Translocation across Target Cell Membrane in Two Steps Bumba, L; Masin, J; (...); Sebo, P May 2010 | PLOS PATHOGENS 6 (5)	9	4	7	5	2	5.46	71
	Third activity of Bordetella adenylate cyclase (AC) toxin-hemolysin -							

45

2	Membrane translocation of AC domain polypeptide promotes calcium influx into CD11b(+) monocytes independently of the catalytic and hemolytic activities Fiser, R; Masin, J; (...); Sebo, P Feb 2 2007 | JOURNAL OF BIOLOGICAL CHEMISTRY 282 (5) , pp.2808-2820	6	1	3	2	2	3.75	60
3	Segments crucial for membrane translocation and pore-forming activity of Bordetella adenylate cyclase toxin Basler, M; Knapp, O; (...); Osicka, R Apr 27 2007 | JOURNAL OF BIOLOGICAL CHEMISTRY 282 (17) , pp.12419-12429	7	4	3	4	1	3.56	57
4	Calcium Influx Rescues Adenylate Cyclase-Hemolysin from Rapid Cell Membrane Removal and Enables Phagocyte Permeabilization by Toxin Pores Fiser, R; Masin, J; (...); Sebo, P Apr 2012 | PLOS PATHOGENS 8 (4)	6	3	1	3	1	3.55	39
5	DnaK and GroEL chaperones are recruited to the Bacillus subtilis membrane after short-term ethanol stress Seydlova, G; Halada, P; (...); Svobodova, J Apr 2012 | JOURNAL OF APPLIED MICROBIOLOGY 112 (4) , pp.765-774	3	1	5	2	3	3.27	36
6	Differences in Purinergic Amplification of Osmotic Cell Lysis by the Pore-Forming RTX Toxins Bordetella pertussis CyaA and Actinobacillus pleuropneumoniae ApxIA: the Role of Pore Size Masin, J; Fiser, R; (...); Sebo, P Dec 2013 | INFECTION AND IMMUNITY 81 (12) , pp.4571-4582	3	4	5	3	1	3.3	33
7	Negatively charged residues of the segment linking the enzyme and cytolysin moieties restrict the membrane-permeabilizing capacity of adenylate cyclase toxin Masin, J; Osickova, A; (...); Sebo, P Sep 1 2016 | SCIENTIFIC REPORTS 6	3	7	6	5	1	4.29	30
8	Sensitivity of bacteria to diamond nanoparticles of various size differs in gram-positive and gram-negative cells Beranova, J; Seydlova, G; (...); Kromka, A Feb 2014 | FEMS MICROBIOLOGY LETTERS 351 (2) , pp.179-186	6	2	4	3	1	3.33	30
9	The Cyanobacterial Cyclic Lipopeptides Puwainaphycins F/G Are Inducing Necrosis via Cell Membrane Permeabilization and Subsequent Unusual Actin Relocalization Hrouzek, P; Kuzma, M; (...); Kopecky, J Jun 2012 | CHEMICAL RESEARCH IN TOXICOLOGY 25 (6) , pp.1203-1211	2	3	4	4	2	2.45	27
10	Quantification of potassium levels in cells treated with Bordetella adenylate cyclase toxin Wald, T; Petry-Podgorska, I; (...); Masin, J Apr 1 2014 | ANALYTICAL BIOCHEMISTRY 450 , pp.57-62	6	3	1	3	2	2.89	26
11	Surfactin production enhances the level of cardiolipin in the cytoplasmic membrane of Bacillus subtilis Seydlova, G; Fiser, R; (...); Patek, M Nov 2013 | BIOCHIMICA ET BIOPHYSICA ACTA-BIOMEMBRANES 1828 (11) , pp.2370-2378	1	3	2	1	0	1.9	19
12	Loss of membrane fluidity and endocytosis inhibition are involved in rapid aluminum-induced root growth cessation in Arabidopsis thaliana Krtkova, J; Havelkova, L; (...); Schwarzerova, K Nov 2012 | PLANT PHYSIOLOGY AND BIOCHEMISTRY 60 , pp.88-97	1	1	3	3	0	1.73	19

13	Daptomycin Pore Formation and Stoichiometry Depend on Membrane Potential of Target Membrane Seydlova, G; Sokol, A; (...); Fiser, R Jan 2019 | ANTIMICROBIAL AGENTS AND CHEMOTHERAPY 63 (1)	0	2	9	4	3	4.5	18
14	Bacillus subtilis alters the proportion of major membrane phospholipids in response to surfactin exposure Uttlova, P; Pinkas, D; (...); Seydlova, G Dec 2016 | BIOCHIMICA ET BIOPHYSICA ACTA-BIOMEMBRANES 1858 (12) , pp.2965-2971	2	3	4	5	2	2.57	18
15	Changes in actin dynamics are involved in salicylic acid signaling pathway Matouskova, J; Janda, M; (...); Valentova, O Jun 2014 | PLANT SCIENCE 223 , pp.36-44	2	4	2	1	3	2	18
16	A Single Tim Translocase in the Mitosomes of Giardia intestinalis Illustrates Convergence of Protein Import Machines in Anaerobic Eukaryotes Pyrihova, E; Motyckova, A; (...); Dolezal, P Oct 2018 | GENOME BIOLOGY AND EVOLUTION 10 (10) , pp.2813-2822	0	3	7	6	1	3.4	17
17	Lipophosphonoxins II: Design, Synthesis, and Properties of Novel Broad Spectrum Antibacterial Agents Seydlova, G; Pohl, R; (...); Rejman, D Jul 27 2017 | JOURNAL OF MEDICINAL CHEMISTRY 60 (14) , pp.6098-6118	2	4	4	6	1	2.83	17
18	The conserved tyrosine residue 940 plays a key structural role in membrane interaction of Bordetella adenylate cyclase toxin Masin, J; Roderova, J; (...); Osicka, R Aug 24 2017 | SCIENTIFIC REPORTS 7	2	2	4	3	2	2.33	14
19	Cytotoxic Lipopeptide Muscotoxin A, Isolated from Soil Cyanobacterium Desmonostoc muscorum, Permeabilizes Phospholipid Membranes by Reducing Their Fluidity Tomek, P; Hrouzek, P; (...); Kopecky, J Feb 2015 | CHEMICAL RESEARCH IN TOXICOLOGY 28 (2) , pp.216-224	2	2	1	3	2	1.75	14
20	Acyltransferase-mediated selection of the length of the fatty acyl chain and of the acylation site governs activation of bacterial RTX toxins Osickova, A; Khaliq, H; (...); Osicka, R Jul 10 2020 | JOURNAL OF BIOLOGICAL CHEMISTRY 295 (28) , pp.9268-9280 Enriched Cited References	0	0	3	6	4	4.33	13
21	Pore-formation by adenylate cyclase toxoid activates dendritic cells to prime CD8(+) and CD4(+) T cells Svedova, M; Masin, J; (...); Sebo, P Apr 2016 | IMMUNOLOGY AND CELL BIOLOGY 94 (4) , pp.322-333	3	1	1	2	1	1.86	13
22	Colicin Z, a structurally and functionally novel colicin type that selectively kills enteroinvasive Escherichia coli and Shigella strains Micenkova, L; Bosak, J; (...); Smajs, D Jul 31 2019 | SCIENTIFIC REPORTS 9	0	1	5	3	3	3	12
23	Different modes of membrane permeabilization by two RTX toxins: HlyA from Escherichia coli and CyaA from Bordetella pertussis Fiser, R and Konopasek, I Jun 2009 | BIOCHIMICA ET BIOPHYSICA ACTA-BIOMEMBRANES 1788 (6) , pp.1249-1254	0	3	1	0	0	0.79	11

24	Membrane activity of the pentaene macrolide didehydroroflamycoin in model lipid bilayers Koukalova, A; Pokorna, S; (...); Hof, M Feb 2015 | BIOCHIMICA ET BIOPHYSICA ACTA-BIOMEMBRANES 1848 (2) , pp.444-452	1	2	1	1	1	1.25	10
25	Residues 529 to 549 participate in membrane penetration and pore-forming activity of the Bordetella adenylate cyclase toxin Roderova, J; Osickova, A; (...); Masin, J Apr 8 2019 | SCIENTIFIC REPORTS 9	0	2	3	3	1	2.25	9
26	Probing the Ca2+-assisted pi-pi interaction during Ca2+-dependent protein folding Liskova, PM; Fiser, R; (...); Bumba, L 2016 | SOFT MATTER 12 (2) , pp.531-541	1	3	1	2	0	1.29	9
27	Insights into the Mechanism of Action of Bactericidal Lipophosphonoxins Panova, N; Zbornikova, E; (...); Rejman, D Dec 30 2015 | PLOS ONE 10 (12)	0	1	2	4	1	1.13	9
28	The extent of the temperature-induced membrane remodeling in two closely related Bordetella species reflects their adaptation to diverse environmental niches Seydlova, G; Beranova, J; (...); Vecerek, B May 12 2017 | JOURNAL OF BIOLOGICAL CHEMISTRY 292 (19) , pp.8048-8058	3	0	1	4	0	1.33	8
29	Continuous Assembly of beta-Roll Structures Is Implicated in the Type I-Dependent Secretion of Large Repeat-in-Toxins (RTX) Proteins Motlova, L; Klimova, N; (...); Bumba, L Sep 18 2020 | JOURNAL OF MOLECULAR BIOLOGY 432 (20) , pp.5696-5710	0	0	1	3	3	2.33	7
30	Diamond nanoparticles suppress lateral growth of bacterial colonies Liskova, P; Beranova, J; (...); Kromka, A Oct 1 2018 | COLLOIDS AND SURFACES B-BIOINTERFACES 170 , pp.544-552	0	0	4	1	1	1.2	6
31	Proteomic analysis of imatinib-resistant CML-T1 cells reveals calcium homeostasis as a potential therapeutic target Toman, O; Kabickova, T; (...); Petrak, J Sep 2016 | ONCOLOGY REPORTS 36 (3) , pp.1258-1268	1	0	3	2	0	0.86	6
32	Bacillus subtilis cardiolipin protects its own membrane against surfactin-induced permeabilization Pinkas, D; Fiser, R; (...); Mikusova, G Oct 1 2020 | BIOCHIMICA ET BIOPHYSICA ACTA-BIOMEMBRANES 1862 (10)	0	0	0	3	2	1.67	5
33	Negative charge of the AC-to-Hly linking segment modulates calcium-dependent membrane activities of Bordetella adenylate cyclase toxin Sukova, A; Bumba, L; (...); Masin, J Sep 1 2020 | BIOCHIMICA ET BIOPHYSICA ACTA-BIOMEMBRANES 1862 (9)	0	0	1	3	1	1.67	5
34	Membrane fluidization by alcohols inhibits DesK-DesR signalling in Bacillus subtilis Vanousova, K; Beranova, J; (...); Konopasek, I Mar 2018 | BIOCHIMICA ET BIOPHYSICA ACTA-BIOMEMBRANES 1860 (3) , pp.718-727	0	3	0	1	1	1	5
35	Colicin U from Shigella boydii Forms Voltage-Dependent Pores Dolejsova, T; Sokol, A; (...); Fiser, R Dec 2019 | JOURNAL OF BACTERIOLOGY 201 (24)	0	0	0	2	2	1	45

36	Outer membrane and phospholipid composition of the target membrane affect the antimicrobial potential of first- and second-generation lipophosphonoxins Latrova, K; Havlova, N; (...); Mikusova, G May 17 2021 | SCIENTIFIC REPORTS 11 (1)	0	0	0	0	1	0.5	1
37	Simple Way to Detect Trp to Tb3+ Resonance Energy Transfer in Calcium-Binding Peptides Using Excitation Spectrum Liskova, P; Konopasek, I and Fiser, R Jan 2019 | JOURNAL OF FLUORESCENCE 29 (1) , pp.9-14	0	0	1	0	0	0.25	1

Citation Report Publications Table