

# Pascal Cosette

## List of Publications by Year in descending order

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83  
papers

2,431  
citations

147801

31  
h-index

223800

46  
g-index

85  
all docs

85  
docs citations

85  
times ranked

3497  
citing authors

#	ARTICLE	IF	CITATIONS
1	Proteomic Analysis Reveals Differential Protein Expression by <i>Bacillus cereus</i> during Biofilm Formation. <i>Applied and Environmental Microbiology</i> , 2002, 68, 2770-2780.	3.1	152
2	Isolation, characterization, and distribution of a novel neuropeptide, <i>Rana</i> RFamide (Râ€RFa), in the brain of the European green frog <i>Rana esculenta</i> . <i>Journal of Comparative Neurology</i> , 2002, 448, 111-127.	1.6	94
3	Growth Retardation, Reduced Invasiveness, and Impaired Colistin-Mediated Cell Death Associated with Colistin Resistance Development in <i>Acinetobacter baumannii</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 828-832.	3.2	94
4	Lysine Succinylation and Acetylation in <i>Pseudomonas aeruginosa</i> . <i>Journal of Proteome Research</i> , 2018, 17, 2449-2459.	3.7	81
5	Global Comparison of the Membrane Subproteomes between a Multidrug-Resistant <i>Acinetobacter baumannii</i> Strain and a Reference Strain. <i>Journal of Proteome Research</i> , 2006, 5, 3385-3398.	3.7	80
6	VBNC <i>Legionella pneumophila</i> cells are still able to produce virulence proteins. <i>Water Research</i> , 2013, 47, 6606-6617.	11.3	77
7	Comparative proteomic analysis of planktonic and immobilized <i>Pseudomonas aeruginosa</i> cells: a multivariate statistical approach. <i>Analytical Biochemistry</i> , 2004, 329, 120-130.	2.4	76
8	Monoclonal C5-1 antibody produced in transgenic alfalfa plants exhibits a N-glycosylation that is homogenous and suitable for glyco-engineering into human-compatible structures. <i>Plant Biotechnology Journal</i> , 2003, 1, 451-462.	8.3	71
9	Characterization of endophytic <i>Bacillus</i> strains from tomato plants ( <i>Lycopersicon esculentum</i> ) displaying antifungal activity against <i>Botrytis cinerea</i> Pers. <i>World Journal of Microbiology and Biotechnology</i> , 2015, 31, 1967-1976.	3.6	71
10	Anti-Candida effect of bacillomycin D-like lipopeptides from <i>Bacillus subtilis</i> B38. <i>FEMS Microbiology Letters</i> , 2011, 316, 108-114.	1.8	69
11	Antioxidant, antityrosinase and antibiofilm activities of synthesized peptides derived from <i>Vicia faba</i> protein hydrolysate: A powerful agents in cosmetic application. <i>Industrial Crops and Products</i> , 2017, 109, 310-319.	5.2	60
12	Proteomic profiling of lysine acetylation in <i>Pseudomonas aeruginosa</i> reveals the diversity of acetylated proteins. <i>Proteomics</i> , 2015, 15, 2152-2157.	2.2	55
13	Antiviral effects of polyphenols: Development of bio-based cleaning wipes and filters. <i>Journal of Virological Methods</i> , 2015, 212, 1-7.	2.1	55
14	Proteome modifications of blue mussel ( <i>Mytilus edulis</i> L.) gills as an effect of water pollution. <i>Proteomics</i> , 2005, 5, 4958-4963.	2.2	52
15	Adhesion of <i>Yersinia ruckeri</i> to fish farm materials: influence of cell and material surface properties. <i>Colloids and Surfaces B: Biointerfaces</i> , 2002, 26, 373-378.	5.0	49
16	Biofilm Proteome: Homogeneity or Versatility?. <i>Journal of Proteome Research</i> , 2004, 3, 132-136.	3.7	49
17	Characterization of N-terminal protein modifications in <i>Pseudomonas aeruginosa</i> PA14. <i>Journal of Proteomics</i> , 2015, 114, 214-225.	2.4	46
18	Identification of S100A9 as Biomarker of Responsiveness to the Methotrexate/Etanercept Combination in Rheumatoid Arthritis Using a Proteomic Approach. <i>PLoS ONE</i> , 2014, 9, e115800.	2.5	45

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19	Purification and characterization of antimicrobial peptides from the skin secretions of the carpenter frog <i>Rana virgatipes</i> (Ranidae, Aquarana). <i>Regulatory Peptides</i> , 2005, 131, 38-45.	1.9	44
20	Impact of <i>rpoS</i> Deletion on the Proteome of <i>Escherichia coli</i> Grown Planktonically and as Biofilm. <i>Journal of Proteome Research</i> , 2008, 7, 4659-4669.	3.7	43
21	Suspension-cultured tobacco cells produce and mature immunologically active house dust mite allergens. <i>Plant Biotechnology Journal</i> , 2007, 5, 93-108.	8.3	42
22	Antimicrobial peptides from diverse families isolated from the skin of the Asian frog, <i>Rana grahami</i> . <i>Peptides</i> , 2006, 27, 2111-2117.	2.4	41
23	Overexpression of MHC Class I in Muscle of Lymphocyte-Deficient Mice Causes a Severe Myopathy with Induction of the Unfolded Protein Response. <i>American Journal of Pathology</i> , 2013, 183, 893-904.	3.8	39
24	Foxg1-Cre Mediated Lrp2 Inactivation in the Developing Mouse Neural Retina, Ciliary and Retinal Pigment Epithelia Models Congenital High Myopia. <i>PLoS ONE</i> , 2015, 10, e0129518.	2.5	39
25	Peroxiredoxin 2 is Involved in the Neuroprotective Effects of PACAP in Cultured Cerebellar Granule Neurons. <i>Journal of Molecular Neuroscience</i> , 2008, 36, 61-72.	2.3	38
26	Isolation, amino acid sequence and functional assays of SGTx1. The first toxin purified from the venom of the spider <i>Scodra griseipes</i> . <i>FEBS Journal</i> , 1999, 265, 572-579.	0.2	37
27	Structure and functions of the novel hypothalamic RFamide neuropeptides R-RFa and 26RFa in vertebrates. <i>Peptides</i> , 2006, 27, 1110-1120.	2.4	37
28	Design and Synthesis of Epicocconone Analogues with Improved Fluorescence Properties. <i>Journal of the American Chemical Society</i> , 2014, 136, 15248-15256.	13.7	37
29	Bradykinin-related peptides and tryptophyllins in the skin secretions of the most primitive extant frog, <i>Ascaphus truei</i> . <i>General and Comparative Endocrinology</i> , 2005, 143, 193-199.	1.8	36
30	Outer-membrane proteomic maps and surface-exposed proteins of <i>Legionella pneumophila</i> using cellular fractionation and fluorescent labelling. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 390, 1861-1871.	3.7	35
31	Identification of Biofilm-Associated Cluster (bac) in <i>Pseudomonas aeruginosa</i> Involved in Biofilm Formation and Virulence. <i>PLoS ONE</i> , 2008, 3, e3897.	2.5	33
32	Amphiphilic biopolymers (amphibiopols) as new surfactants for membrane protein solubilization. <i>Protein Science</i> , 2003, 12, 681-689.	7.6	30
33	CspR, a Cold Shock RNA-Binding Protein Involved in the Long-Term Survival and the Virulence of <i>Enterococcus faecalis</i> . <i>Journal of Bacteriology</i> , 2012, 194, 6900-6908.	2.2	30
34	Protein expression in <i>Escherichia coli</i> S17-1 biofilms: impact of indole. <i>Antonie Van Leeuwenhoek</i> , 2006, 91, 71-85.	1.7	27
35	Proteomic analysis of agar gel-entrapped <i>Pseudomonas aeruginosa</i> . <i>Proteomics</i> , 2004, 4, 1996-2004.	2.2	26
36	Antioxidative and DNA Protective Effects of Bacillomycin D-Like Lipopeptides Produced by B38 Strain. <i>Applied Biochemistry and Biotechnology</i> , 2012, 168, 2245-2256.	2.9	26

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37	Putative use of a <i>Bacillus subtilis</i> L194 strain for biocontrol of <i>Phoma medicaginis</i> in <i>Medicago truncatula</i> seedlings. <i>Research in Microbiology</i> , 2012, 163, 388-397.	2.1	25
38	Predictors of treatment response in rheumatoid arthritis. <i>Joint Bone Spine</i> , 2019, 86, 151-158.	1.6	25
39	LasB and CbpD Virulence Factors of <i>Pseudomonas aeruginosa</i> Carry Multiple Post-Translational Modifications on Their Lysine Residues. <i>Journal of Proteome Research</i> , 2019, 18, 923-933.	3.7	25
40	Identification of 7 Proteins in Sera of RA Patients with Potential to Predict ETA/MTX Treatment Response. <i>Theranostics</i> , 2015, 5, 1214-1224.	10.0	24
41	Extracellular Ser/Thr/Tyr phosphorylated proteins of <i>Pseudomonas aeruginosa</i> PA14 strain. <i>Proteomics</i> , 2014, 14, 2017-2030.	2.2	23
42	The aliphatic amidase AmiE is involved in regulation of <i>Pseudomonas aeruginosa</i> virulence. <i>Scientific Reports</i> , 2017, 7, 41178.	3.3	22
43	Substituting Coomassie Brilliant Blue for bromophenol blue in two-dimensional electrophoresis buffers improves the resolution of focusing patterns. <i>Electrophoresis</i> , 2001, 22, 4368-4374.	2.4	21
44	<i>Escherichia coli</i> Response to Uranyl Exposure at Low pH and Associated Protein Regulations. <i>PLoS ONE</i> , 2014, 9, e89863.	2.5	20
45	Biofilm-induced modifications in the proteome of <i>Pseudomonas aeruginosa</i> planktonic cells. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2010, 1804, 957-966.	2.3	19
46	Impaired vitreous composition and retinal pigment epithelium function in the FoxG1::LRP2 myopic mice. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017, 1863, 1242-1254.	3.8	19
47	Immobilization Induces Alterations in the Outer Membrane Protein Pattern of <i>Yersinia ruckeri</i> . <i>Journal of Proteome Research</i> , 2005, 4, 1988-1998.	3.7	18
48	Proteomics dedicated to biofilmology: What have we learned from a decade of research?. <i>Medical Microbiology and Immunology</i> , 2016, 205, 1-19.	4.8	17
49	Phosphate deprivation is associated with high resistance to latamoxef of gel-entrapped, sessile-like <i>Escherichia coli</i> cells. <i>Journal of Antimicrobial Chemotherapy</i> , 2002, 49, 315-320.	3.0	15
50	Proteomic analysis of <i>Staphylococcus aureus</i> biofilms grown <i>in vitro</i> on mechanical heart valve leaflets. <i>Journal of Biomedical Materials Research - Part A</i> , 2009, 88A, 1069-1078.	4.0	15
51	A new antibacterial and antioxidant S07-2 compound produced by <i>Bacillus subtilis</i> B38. <i>FEMS Microbiology Letters</i> , 2010, 303, 176-182.	1.8	15
52	Major remodeling of brain microvessels during neonatal period in the mouse: A proteomic and transcriptomic study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 495-513.	4.3	15
53	Utilization of Grape Seed Flour for Antimicrobial Lipopeptide Production by <i>Bacillus amyloliquefaciens</i> C5 Strain. <i>Applied Biochemistry and Biotechnology</i> , 2019, 187, 1460-1474.	2.9	15
54	Physiological and proteomic responses to drought stress in leaves of two wild grapevines ( <i>Vitis</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	3.4	14

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55	Proteomic and transcriptomic study of brain microvessels in neonatal and adult mice. PLoS ONE, 2017, 12, e0171048.	2.5	13
56	Proteomics of Biofilm Bacteria. Current Proteomics, 2004, 1, 211-219.	0.3	12
57	Identification of Proteins Regulated by PACAP in PC12 Cells by 2D Gel Electrophoresis Coupled to Mass Spectrometry. Annals of the New York Academy of Sciences, 2006, 1070, 380-387.	3.8	11
58	Mitigation of monocyte driven thrombosis on cobalt chrome surfaces in contact with whole blood by thin film polar/hydrophobic/ionic polyurethane coatings. Biomaterials, 2019, 217, 119306.	11.4	11
59	Potential of liquid-isoelectric-focusing protein fractionation to improve phosphoprotein characterization of Pseudomonas aeruginosa PA14. Analytical and Bioanalytical Chemistry, 2014, 406, 6297-6309.	3.7	9
60	Glioprotective effect of Ulva rigida extract against UVB cellular damages. Algal Research, 2017, 23, 203-215.	4.6	9
61	Brain proteomic modifications associated to protective effect of grape extract in a murine model of obesity. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2017, 1865, 578-588.	2.3	9
62	Presence in <i>Legionella pneumophila</i> of a mammalian-like mitochondrial permeability transition pore?. FEMS Microbiology Letters, 2008, 278, 171-176.	1.8	8
63	Neuroprotective Activity of Grape Seed and Skin Extract Against Lithium Exposure Using Proteomic Research. Molecular Neurobiology, 2017, 54, 2720-2730.	4.0	8
64	3-Benzoylquinoxalinone as a photoaffinity labelling derivative with fluorogenic properties allowing reaction monitoring under <i>in vivo</i> conditions. Chemical Communications, 2021, 57, 3893-3896.	4.1	8
65	Proteomic regulation during <i>Legionella pneumophila</i> biofilm development: decrease of virulence factors and enhancement of response to oxidative stress. Journal of Water and Health, 2014, 12, 242-253.	2.6	7
66	Characterization of new outer membrane proteins of Pseudomonas aeruginosa using a combinatorial peptide ligand library. Analytical and Bioanalytical Chemistry, 2015, 407, 1513-1518.	3.7	7
67	Neuroprotective effect of grape seed extract on brain ischemia: a proteomic approach. Metabolic Brain Disease, 2019, 34, 889-907.	2.9	7
68	Combined Proteomic and Molecular Approaches for Cloning and Characterization of Copper/Zinc Superoxide dismutase (Cu, Zn-SOD2) from Garlic ( <i>Allium sativum</i> ). Molecular Biotechnology, 2012, 52, 49-58.	2.4	6
69	N-Glycosidase treatment with 18O labeling and de novo sequencing argues for flagellin FliC glycopolymerism in Pseudomonas aeruginosa. Analytical and Bioanalytical Chemistry, 2013, 405, 9835-9842.	3.7	6
70	Membrane proteomes of Pseudomonas aeruginosa and Acinetobacter baumannii. Pathologie Et Biologie, 2011, 59, e136-e139.	2.2	5
71	Variability of the response of human vaginal Lactobacillus crispatus to 17 $\beta$ -estradiol. Scientific Reports, 2021, 11, 11533.	3.3	5
72	Triggering of the Antibacterial Activity of Bacillus subtilis B38 Strain against Methicillin-Resistant Staphylococcus aureus. Applied Biochemistry and Biotechnology, 2011, 164, 34-44.	2.9	4

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73	Effect of zein additive on perfume evaporation. International Journal of Cosmetic Science, 2018, 40, 575-582.	2.6	4
74	Anti-Carbamylated Fibrinogen Antibodies Might Be Associated With a Specific Rheumatoid Phenotype and Include a Subset Recognizing In Vivo Epitopes of Its $\gamma$ 3 Chain One of Which Is Not Cross Reactive With Anti-Citrullinated Protein Antibodies. Frontiers in Immunology, 2021, 12, 733511.	4.8	4
75	Sodium Channel Fragments: Contributions to Voltage Sensitivity and Ion Selectivity. Bioscience Reports, 1998, 18, 279-286.	2.4	3
76	Determination of Multimodal Isotopic Distributions: The Case of a $^{15}\text{N}$ Labeled Protein Produced into Hairy Roots. Analytical Chemistry, 2015, 87, 5938-5946.	6.5	3
77	Phosphorylation of Extracellular Proteins in <i>Acinetobacter baumannii</i> in Sessile Mode of Growth. Frontiers in Microbiology, 2021, 12, 738780.	3.5	3
78	Secondary structure of an isolated P-region from the voltage-gated sodium channel: a molecular modelling/dynamics study. Biophysical Chemistry, 1997, 69, 221-232.	2.8	2
79	Differential protein expression in the estuarine copepod <i>Eurytemora affinis</i> after diuron and alkylphenol exposures. Environmental Toxicology and Chemistry, 2016, 35, 1860-1871.	4.3	2
80	A Proteomic Approach to Biofilm Cell Physiology. Methods in Biotechnology, 2006, , 403-414.	0.2	2
81	Mise en évidence de l'expression par <i>Legionella pneumophila</i> de deux protéines susceptibles d'être impliquées dans la formation d'un complexe proche du système MPTP. European Journal of Water Quality, 2008, 39, 13-21.	0.1	0
82	Physiological and proteomic analyses of Tunisian local grapevine ( <i>Vitis vinifera</i> ) cultivar Razegui in response to drought stress. Functional Plant Biology, 2022, 49, 25.	2.1	0
83	Validation in the ESPOIR cohort of vitamin K-dependent protein S (PROS) as a potential biomarker capable of predicting response to the methotrexate/etanercept combination. Arthritis Research and Therapy, 2022, 24, 72.	3.5	0