

Laurent L Coquet

List of Publications by Year in descending order

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80
papers

1,967
citations

201575

27
h-index

289141

40
g-index

80
all docs

80
docs citations

80
times ranked

2515
citing authors

#	ARTICLE	IF	CITATIONS
1	MIBâ€™MIP is a mycoplasma system that captures and cleaves immunoglobulin G. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 5406-5411.	3.3	97
2	Growth of <i>Acinetobacter baumannii</i> in Pellicle Enhanced the Expression of Potential Virulence Factors. PLoS ONE, 2011, 6, e26030.	1.1	80
3	A combined ¹⁵ N tracing/proteomics study in <i>Brassica napus</i> reveals the chronology of proteomics events associated with N remobilisation during leaf senescence induced by nitrate limitation or starvation. Proteomics, 2009, 9, 3580-3608.	1.3	78
4	VBNC <i>Legionella pneumophila</i> cells are still able to produce virulence proteins. Water Research, 2013, 47, 6606-6617.	5.3	77
5	SAG12, a Major Cysteine Protease Involved in Nitrogen Allocation during Senescence for Seed Production in <i>Arabidopsis thaliana</i> . Plant and Cell Physiology, 2018, 59, 2052-2063.	1.5	66
6	Immobilized-cell physiology: current data and the potentialities of proteomics. Enzyme and Microbial Technology, 2002, 31, 201-212.	1.6	60
7	Peptides with differential cytolytic activity from skin secretions of the lemur leaf frog <i>Hylomantis lemur</i> (Hylidae: Phyllomedusinae). Toxicon, 2007, 50, 498-506.	0.8	60
8	Enhanced Adhesion of <i>Campylobacter jejuni</i> to Abiotic Surfaces Is Mediated by Membrane Proteins in Oxygen-Enriched Conditions. PLoS ONE, 2012, 7, e46402.	1.1	60
9	Antioxidant, antityrosinase and antibiofilm activities of synthesized peptides derived from <i>Vicia faba</i> protein hydrolysate: A powerful agents in cosmetic application. Industrial Crops and Products, 2017, 109, 310-319.	2.5	60
10	Expression of genes encoding antimicrobial and bradykinin-related peptides in skin of the stream brown frog <i>Rana sakuraii</i> . Peptides, 2007, 28, 505-514.	1.2	51
11	Adhesion of <i>Yersinia ruckeri</i> to fish farm materials: influence of cell and material surface properties. Colloids and Surfaces B: Biointerfaces, 2002, 26, 373-378.	2.5	49
12	Characterization of antimicrobial peptides from the skin secretions of the Malaysian frogs, <i>Odorrana hosii</i> and <i>Hylarana picturata</i> (Anura:Ranidae). Toxicon, 2008, 52, 465-473.	0.8	49
13	A potent, non-toxic insulin-releasing peptide isolated from an extract of the skin of the Asian frog, <i>Hylarana guntheri</i> (Anura:Ranidae). Regulatory Peptides, 2008, 151, 153-159.	1.9	48
14	Cytolytic peptides belonging to the brevinin-1 and brevinin-2 families isolated from the skin of the Japanese brown frog, <i>Rana dybowskii</i> . Toxicon, 2007, 50, 746-756.	0.8	46
15	Evidence from peptidomic analysis of skin secretions that the red-legged frogs, <i>Rana aurora draytonii</i> and <i>Rana aurora aurora</i> , are distinct species. Peptides, 2006, 27, 1305-1312.	1.2	44
16	Copper-Deficiency in <i>Brassica napus</i> Induces Copper Remobilization, Molybdenum Accumulation and Modification of the Expression of Chloroplastic Proteins. PLoS ONE, 2014, 9, e109889.	1.1	41
17	Antimicrobial Peptide LL-37 Is Both a Substrate of Cathepsins S and K and a Selective Inhibitor of Cathepsin L. Biochemistry, 2015, 54, 2785-2798.	1.2	38
18	Antimicrobial peptides with therapeutic potential from skin secretions of the Marsabit clawed frog <i>Xenopus borealis</i> (Pipidae). Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2010, 152, 467-472.	1.3	34

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19	Peptidomic analysis of skin secretions from the bullfrog <i>Lithobates catesbeianus</i> (Ranidae) identifies multiple peptides with potent insulin-releasing activity. <i>Peptides</i> , 2011, 32, 203-208.	1.2	34
20	A family of acyclic brevinin-1 peptides from the skin of the Ryukyu brown frog <i>Rana okinavana</i> . <i>Peptides</i> , 2005, 26, 185-190.	1.2	31
21	Antimicrobial peptides from the skin of the Japanese mountain brown frog <i>Rana ornativentris</i> : Evidence for polymorphism among preprotemporin mRNAs. <i>Peptides</i> , 2007, 28, 524-532.	1.2	31
22	Antimicrobial peptides from the skin secretions of the South-East Asian frog <i>Hylarana erythraea</i> (Ranidae). <i>Peptides</i> , 2010, 31, 548-554.	1.2	31
23	The hymenochirins: A family of host-defense peptides from the Congo dwarf clawed frog <i>Hymenochirus boettgeri</i> (Pipidae). <i>Peptides</i> , 2012, 35, 269-275.	1.2	31
24	Host-defense peptides in skin secretions of the tetraploid frog <i>Silurana epittropicalis</i> with potent activity against methicillin-resistant <i>Staphylococcus aureus</i> (MRSA). <i>Peptides</i> , 2012, 37, 113-119.	1.2	30
25	Venom Peptide Repertoire of the European Myrmicine Ant <i>Manica rubida</i> : Identification of Insecticidal Toxins. <i>Journal of Proteome Research</i> , 2020, 19, 1800-1811.	1.8	30
26	Peptidomic analysis of skin secretions demonstrates that the allopatric populations of <i>Xenopus muelleri</i> (Pipidae) are not conspecific. <i>Peptides</i> , 2011, 32, 1502-1508.	1.2	29
27	Structure-Function Analysis of Grass Clip Serine Protease Involved in <i>Drosophila</i> Toll Pathway Activation. <i>Journal of Biological Chemistry</i> , 2011, 286, 12300-12307.	1.6	29
28	Antimicrobial peptides from the skin of the Tsushima brown frog <i>Rana tsushimensis</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2006, 143, 42-49.	1.3	25
29	Characterization of antimicrobial peptides in skin secretions from discrete populations of <i>Lithobates chiricahuensis</i> (Ranidae) from central and southern Arizona. <i>Peptides</i> , 2011, 32, 664-669.	1.2	25
30	An immunomodulatory peptide related to frenatin 2 from skin secretions of the Tyrrhenian painted frog <i>Discoglossus sardus</i> (Alytidae). <i>Peptides</i> , 2013, 40, 65-71.	1.2	25
31	Mg deficiency affects leaf Mg remobilization and the proteome in <i>Brassica napus</i> . <i>Plant Physiology and Biochemistry</i> , 2016, 107, 337-343.	2.8	25
32	Peptidomic analysis of skin secretions from <i>Rana heckscheri</i> and <i>Rana okaloosae</i> provides insight into phylogenetic relationships among frogs of the <i>Aquarana</i> species group. <i>Regulatory Peptides</i> , 2007, 138, 87-93.	1.9	24
33	Host defense peptides in skin secretions of the Oregon spotted frog <i>Rana pretiosa</i> : Implications for species resistance to chytridiomycosis. <i>Developmental and Comparative Immunology</i> , 2011, 35, 644-649.	1.0	24
34	Chromogranin A Induces the Biogenesis of Granules with Calcium- and Actin-Dependent Dynamics and Exocytosis in Constitutively Secreting Cells. <i>Endocrinology</i> , 2012, 153, 4444-4456.	1.4	24
35	Host-defense peptides from skin secretions of the tetraploid frogs <i>Xenopus petersii</i> and <i>Xenopus pygmaeus</i> , and the octoploid frog <i>Xenopus lenduensis</i> (Pipidae). <i>Peptides</i> , 2012, 33, 35-43.	1.2	24
36	Proteomic approach to <i>Pseudomonas aeruginosa</i> adaptive resistance to benzalkonium chloride. <i>Journal of Proteomics</i> , 2013, 89, 273-279.	1.2	23

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37	Antimicrobial peptides from the skin secretions of the New World frogs <i>Lithobates capito</i> and <i>Lithobates warszewitschii</i> (Ranidae). <i>Peptides</i> , 2009, 30, 1775-1781.	1.2	20
38	<i>Escherichia coli</i> Response to Uranyl Exposure at Low pH and Associated Protein Regulations. <i>PLoS ONE</i> , 2014, 9, e89863.	1.1	20
39	InhA1-Mediated Cleavage of the Metalloprotease NprA Allows <i>Bacillus cereus</i> to Escape From Macrophages. <i>Frontiers in Microbiology</i> , 2018, 9, 1063.	1.5	19
40	Immobilization Induces Alterations in the Outer Membrane Protein Pattern of <i>Yersinia ruckeri</i> . <i>Journal of Proteome Research</i> , 2005, 4, 1988-1998.	1.8	18
41	Host defense peptides from <i>Lithobates forreri</i> , <i>Hylarana luctuosa</i> , and <i>Hylarana signata</i> (Ranidae): Phylogenetic relationships inferred from primary structures of ranatuerin-2 and brevinin-2 peptides. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2014, 9, 49-57.	0.4	18
42	Purification of peptides with differential cytolytic activities from the skin secretions of the Central American frog, <i>Lithobates vaillanti</i> (Ranidae). <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2009, 150, 150-154.	1.3	17
43	Purification and characterization of antimicrobial peptides from the Caribbean frog, <i>Leptodactylus validus</i> (Anura: Leptodactylidae). <i>Peptides</i> , 2008, 29, 1287-1292.	1.2	16
44	Peptides with potent cytolytic activity from the skin secretions of the North American leopard frogs, <i>Lithobates blairi</i> and <i>Lithobates yavapaiensis</i> . <i>Toxicon</i> , 2009, 53, 699-705.	0.8	16
45	Adaptation of <i>Salmonella enterica</i> Hadar under static magnetic field: effects on outer membrane protein pattern. <i>Proteome Science</i> , 2012, 10, 6.	0.7	15
46	Characterization of the host-defense peptides from skin secretions of Merlin's clawed frog <i>Pseudhymenochirus merlini</i> : Insights into phylogenetic relationships among the Pipidae. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2013, 8, 352-357.	0.4	15
47	Functional characterization of <i>Pseudomonas fluorescens</i> OprE and OprQ membrane proteins. <i>Biochemical and Biophysical Research Communications</i> , 2006, 346, 1048-1052.	1.0	14
48	Substitution of <i>Pichia pastoris</i> -Derived Recombinant Proteins with Mannose Containing O- and N-Linked Glycans Decreases Specificity of Diagnostic Tests. <i>International Archives of Allergy and Immunology</i> , 2004, 135, 187-195.	0.9	13
49	Evidence from the primary structures of dermal antimicrobial peptides that <i>Rana tagoi okiensis</i> and <i>Rana tagoi tagoi</i> (Ranidae) are not conspecific subspecies. <i>Toxicon</i> , 2010, 55, 430-435.	0.8	13
50	Cytotoxic peptides with insulin-releasing activities from skin secretions of the Italian stream frog <i>Rana italica</i> (Ranidae). <i>Journal of Peptide Science</i> , 2017, 23, 769-776.	0.8	13
51	Involvement of stathmin 1 in the neurotrophic effects of PACAP in PC12 cells. <i>Journal of Neurochemistry</i> , 2010, 114, 1498-1510.	2.1	12
52	Genome duplications within the Xenopodinae do not increase the multiplicity of antimicrobial peptides in <i>Silurana paratropicalis</i> and <i>Xenopus andrei</i> skin secretions. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2011, 6, 206-212.	0.4	12
53	Purification, Conformational Analysis, and Properties of a Family of Tigerinin Peptides from Skin Secretions of the Crowned Bullfrog <i>Hoplobatrachus occipitalis</i> . <i>Journal of Natural Products</i> , 2016, 79, 2350-2356.	1.5	12
54	Processing and Maturation of Cathepsin C Zymogen: A Biochemical and Molecular Modeling Analysis. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4747.	1.8	12

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55	Identification of Proteins Regulated by PACAP in PC12 Cells by 2D Gel Electrophoresis Coupled to Mass Spectrometry. <i>Annals of the New York Academy of Sciences</i> , 2006, 1070, 380-387.	1.8	11
56	Evaluation of the Skin Peptide Defenses of the Oregon Spotted Frog <i>Rana pretiosa</i> Against Infection by the Chytrid Fungus <i>Batrachochytrium dendrobatidis</i> . <i>Journal of Chemical Ecology</i> , 2013, 39, 797-805.	0.9	11
57	Evidence from peptidomic analysis of skin secretions that allopatric populations of <i>Xenopus gilli</i> (Anura:Pipidae) constitute distinct lineages. <i>Peptides</i> , 2015, 63, 118-125.	1.2	11
58	Proteomic Investigations of Proteases Involved in Cotyledon Senescence: A Model to Explore the Genotypic Variability of Proteolysis Machinery Associated with Nitrogen Remobilization Efficiency during the Leaf Senescence of Oilseed Rape. <i>Proteomes</i> , 2017, 5, 29.	1.7	10
59	Peptidomic Analysis of Skin Secretions of the Caribbean Frogs <i>Leptodactylus insularum</i> and <i>Leptodactylus nesiotus</i> (Leptodactylidae) Identifies an Ocellatin with Broad Spectrum Antimicrobial Activity. <i>Antibiotics</i> , 2020, 9, 718.	1.5	10
60	Peptidomic analysis of the host-defense peptides in skin secretions of <i>Rana graeca</i> provides insight into phylogenetic relationships among Eurasian <i>Rana</i> species. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2019, 29, 228-234.	0.4	8
61	The Unusual Resistance of Avian Defensin AvBD7 to Proteolytic Enzymes Preserves Its Antibacterial Activity. <i>PLoS ONE</i> , 2016, 11, e0161573.	1.1	7
62	Dihydroquinoline Carbamate DQS1-02 as a Prodrug of a Potent Acetylcholinesterase Inhibitor for Alzheimer's Disease Therapy: Multigram-Scale Synthesis, Mechanism Investigations, in Vitro Safety Pharmacology, and Preliminary in Vivo Toxicology Profile. <i>ACS Omega</i> , 2018, 3, 18387-18397.	1.6	7
63	Peptidomic analysis of the host-defense peptides in skin secretions of the Trinidadian leaf frog <i>Phyllomedusa trinitatis</i> (Phyllomedusidae). <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2018, 28, 72-79.	0.4	7
64	Combined Proteomic and Molecular Approaches for Cloning and Characterization of Copper-Zinc Superoxide dismutase (Cu, Zn-SOD2) from Garlic (<i>Allium sativum</i>). <i>Molecular Biotechnology</i> , 2012, 52, 49-58.	1.3	6
65	Ethanol-Induced Alterations in Placental and Fetal Cerebrocortical Annexin-A4 and Cerebral Cavernous Malformation Protein 3 Are Associated With Reductions in Fetal Cortical VEGF Receptor Binding and Microvascular Density. <i>Frontiers in Neuroscience</i> , 2020, 14, 519.	1.4	6
66	Impact of chlorhexidine digluconate and temperature on curli production in <i>Escherichia coli</i> 's consequence on its adhesion ability. <i>AIMS Microbiology</i> , 2017, 3, 915-937.	1.0	6
67	Peptidomic analysis of skin secretions supports separate species status for the tailed frogs, <i>Ascaphus truei</i> and <i>Ascaphus montanus</i> . <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2007, 2, 121-125.	0.4	5
68	Primary structures of skin antimicrobial peptides indicate a close, but not conspecific, phylogenetic relationship between the leopard frogs <i>Lithobates onca</i> and <i>Lithobates yavapaiensis</i> (Ranidae). <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2010, 151, 313-317.	1.3	5
69	Proteomic profile of pre-B2 lymphoblasts from children with acute lymphoblastic leukemia (ALL) in relation with the translocation (12; 21). <i>Clinical Proteomics</i> , 2014, 11, 31.	1.1	5
70	Host-defense peptides from skin secretions of Fraser's clawed frog <i>Xenopus fraseri</i> (Pipidae): Further insight into the evolutionary history of the Xenopodinae. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2014, 12, 45-52.	0.4	5
71	Host-defense and trefoil factor family peptides in skin secretions of the Mawa clawed frog <i>Xenopus boumbaensis</i> (Pipidae). <i>Peptides</i> , 2015, 72, 44-49.	1.2	5
72	Proteomic Changes in <i>Pseudomonas aeruginosa</i> Biofilm Cells after Adaptive Resistance Development. <i>Journal of Proteomics and Bioinformatics</i> , 2016, 09, .	0.4	5

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73	Unraveling the effects of static magnetic field stress on cytosolic proteins of Salmonella by using a proteomic approach. Canadian Journal of Microbiology, 2016, 62, 338-348.	0.8	5
74	Peptidomic analysis of skin secretions of the Mexican burrowing toad <i>Rhinophrynus dorsalis</i> (Rhinophrynidae): Insight into the origin of host-defense peptides within the Pipidae and characterization of a proline-arginine-rich peptide. Peptides, 2017, 97, 22-28.	1.2	5
75	EtpB Is a Pore-Forming Outer Membrane Protein Showing TpsB Protein Features Involved in the Two-Partner Secretion System. Journal of Membrane Biology, 2009, 230, 143-154.	1.0	4
76	Host-defense peptides from skin secretions of the octoploid frogs <i>Xenopus vestitus</i> and <i>Xenopus wittei</i> (Pipidae): Insights into evolutionary relationships. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2014, 11, 20-28.	0.4	4
77	Peptidomic analysis of the extensive array of host-defense peptides in skin secretions of the dodecaploid frog <i>Xenopus ruwenzoriensis</i> (Pipidae). Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2016, 19, 18-24.	0.4	4
78	Determination of Multimodal Isotopic Distributions: The Case of a ¹⁵ N Labeled Protein Produced into Hairy Roots. Analytical Chemistry, 2015, 87, 5938-5946.	3.2	3
79	Membrane Proteocomplexome of <i>Campylobacter jejuni</i> Using 2-D Blue Native/SDS-PAGE Combined to Bioinformatics Analysis. Frontiers in Microbiology, 2020, 11, 530906.	1.5	2
80	A Proteomic Approach to Biofilm Cell Physiology. Methods in Biotechnology, 2006, , 403-414.	0.2	2