

Virginie Molle

List of Publications by Year in descending order

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89
papers

4,794
citations

94269

37
h-index

102304

66
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96
all docs

96
docs citations

96
times ranked

4538
citing authors

#	ARTICLE	IF	CITATIONS
1	The Transcription Factor SpoVG Is of Major Importance for Biofilm Formation of <i>Staphylococcus epidermidis</i> under In Vitro Conditions, but Dispensable for In Vivo Biofilm Formation. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3255.	1.8	3
2	Random nature of epithelial cancer cell monolayers. <i>Journal of the Royal Society Interface</i> , 2022, 19, 20220026.	1.5	4
3	<i>Dictyostelium</i> lacking the single atlastin homolog Sey1 shows aberrant ER architecture, proteolytic processes and expansion of the <i>Legionella</i> containing vacuole. <i>Cellular Microbiology</i> , 2021, 23, e13318.	1.1	7
4	The Phosphoarginine Phosphatase PtpB from <i>Staphylococcus aureus</i> Is Involved in Bacterial Stress Adaptation during Infection. <i>Cells</i> , 2021, 10, 645.	1.8	4
5	The Low-Molecular Weight Protein Arginine Phosphatase PtpB Affects Nuclease Production, Cell Wall Integrity, and Uptake Rates of <i>Staphylococcus aureus</i> by Polymorphonuclear Leukocytes. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5342.	1.8	3
6	<i>Staphylococcus aureus</i> Decreases SUMOylation Host Response to Promote Intramacrophage Survival. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8108.	1.8	7
7	<i>Staphylococcus aureus</i> Toxins: An Update on Their Pathogenic Properties and Potential Treatments. <i>Toxins</i> , 2021, 13, 677.	1.5	102
8	Long-Term Intra-host Evolution of <i>Staphylococcus aureus</i> Among Diabetic Patients With Foot Infections. <i>Frontiers in Microbiology</i> , 2021, 12, 741406.	1.5	9
9	Investigating Pathogenicity and Virulence of <i>Staphylococcus pettenkoferi</i> : An Emerging Pathogen. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13614.	1.8	11
10	The protein kinase PknB negatively regulates biosynthesis and trafficking of mycolic acids in mycobacteria. <i>Journal of Lipid Research</i> , 2020, 61, 1180-1191.	2.0	15
11	The secreted protein kinase CstK from <i>Coxiella burnetii</i> influences vacuole development and interacts with the GTPase-activating host protein TBC1D5. <i>Journal of Biological Chemistry</i> , 2020, 295, 7391-7403.	1.6	10
12	Methylation of two-component response regulator MtrA in mycobacteria negatively modulates its DNA binding and transcriptional activation. <i>Biochemical Journal</i> , 2020, 477, 4473-4489.	1.7	7
13	The Ser/Thr protein kinase PrkC imprints phenotypic memory in <i>Bacillus anthracis</i> spores by phosphorylating the glycolytic enzyme enolase. <i>Journal of Biological Chemistry</i> , 2019, 294, 8930-8941.	1.6	30
14	A divergent CheW confers plasticity to nucleoid-associated chemosensory arrays. <i>PLoS Genetics</i> , 2019, 15, e1008533.	1.5	3
15	PtpA, a secreted tyrosine phosphatase from <i>Staphylococcus aureus</i> , contributes to virulence and interacts with coronin-1A during infection. <i>Journal of Biological Chemistry</i> , 2018, 293, 15569-15580.	1.6	19
16	The <i>Staphylococcus aureus</i> Extracellular Adherence Protein Eap Is a DNA Binding Protein Capable of Blocking Neutrophil Extracellular Trap Formation. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 235.	1.8	40
17	A gated relaxation oscillator mediated by FrzX controls morphogenetic movements in <i>Myxococcus xanthus</i> . <i>Nature Microbiology</i> , 2018, 3, 948-959.	5.9	44
18	Ser/Thr protein kinase PrkC-mediated regulation of GroEL is critical for biofilm formation in <i>Bacillus anthracis</i> . <i>Npj Biofilms and Microbiomes</i> , 2017, 3, 7.	2.9	40

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19	Disruption of key NADH-binding pocket residues of the Mycobacterium tuberculosis InhA affects DD-CoA binding ability. <i>Scientific Reports</i> , 2017, 7, 4714.	1.6	12
20	Endogenous and Exogenous KdpF Peptide Increases Susceptibility of Mycobacterium bovis BCG to Nitrosative Stress and Reduces Intramacrophage Replication. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 115.	1.8	7
21	CcpA Affects Infectivity of Staphylococcus aureus in a Hyperglycemic Environment. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 172.	1.8	22
22	The nucleoid as a scaffold for the assembly of bacterial signaling complexes. <i>PLoS Genetics</i> , 2017, 13, e1007103.	1.5	8
23	The outer membrane porin OmpW of <i>Acinetobacter baumannii</i> is involved in iron uptake and colistin binding. <i>FEBS Letters</i> , 2016, 590, 224-231.	1.3	54
24	Stk1-mediated phosphorylation stimulates the DNA-binding properties of the Staphylococcus aureus SpoVG transcriptional factor. <i>Biochemical and Biophysical Research Communications</i> , 2016, 473, 1223-1228.	1.0	18
25	Dictyostelium EHD associates with Dynamin and participates in phagosome maturation. <i>Journal of Cell Science</i> , 2016, 129, 2354-67.	1.2	6
26	Ser/Thr Phosphorylation Regulates the Fatty Acyl-AMP Ligase Activity of FadD32, an Essential Enzyme in Mycolic Acid Biosynthesis. <i>Journal of Biological Chemistry</i> , 2016, 291, 22793-22805.	1.6	14
27	Serine/Threonine Protein Phosphatase PstP of Mycobacterium tuberculosis Is Necessary for Accurate Cell Division and Survival of Pathogen. <i>Journal of Biological Chemistry</i> , 2016, 291, 24215-24230.	1.6	40
28	Phosphorylation-mediated regulation of the Staphylococcus aureus secreted tyrosine phosphatase PtpA. <i>Biochemical and Biophysical Research Communications</i> , 2016, 469, 619-625.	1.0	12
29	Evolution and Design Governing Signal Precision and Amplification in a Bacterial Chemosensory Pathway. <i>PLoS Genetics</i> , 2015, 11, e1005460.	1.5	33
30	LocZ Is a New Cell Division Protein Involved in Proper Septum Placement in Streptococcus pneumoniae. <i>MBio</i> , 2015, 6, e01700-14.	1.8	92
31	Phosphorylation of Mycobacterium tuberculosis ParB Participates in Regulating the ParABS Chromosome Segregation System. <i>PLoS ONE</i> , 2015, 10, e0119907.	1.1	23
32	Ail and PagC-Related Proteins in the Entomopathogenic Bacteria of Photorhabdus Genus. <i>PLoS ONE</i> , 2014, 9, e110060.	1.1	7
33	Identification of Ser/Thr kinase and Forkhead Associated Domains in Mycobacterium ulcerans: Characterization of Novel Association between Protein Kinase Q and MupFHA. <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e3315.	1.3	20
34	Phosphorylation of KasB Regulates Virulence and Acid-Fastness in Mycobacterium tuberculosis. <i>PLoS Pathogens</i> , 2014, 10, e1004115.	2.1	63
35	The Catabolite Control Protein E (CcpE) Affects Virulence Determinant Production and Pathogenesis of Staphylococcus aureus. <i>Journal of Biological Chemistry</i> , 2014, 289, 29701-29711.	1.6	27
36	A novel mode of regulation of the Staphylococcus aureus Vancomycin-resistance-associated response regulator VraR mediated by Stk1 protein phosphorylation. <i>Biochemical and Biophysical Research Communications</i> , 2014, 447, 165-171.	1.0	35

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37	The Mycobacterium tuberculosis transcriptional repressor EthR is negatively regulated by Serine/Threonine phosphorylation. Biochemical and Biophysical Research Communications, 2014, 446, 1132-1138.	1.0	22
38	Bacterial Serine/Threonine Protein Kinases in Host-Pathogen Interactions. Journal of Biological Chemistry, 2014, 289, 9473-9479.	1.6	78
39	Catabolite Control Protein E (CcpE) Is a LysR-type Transcriptional Regulator of Tricarboxylic Acid Cycle Activity in Staphylococcus aureus. Journal of Biological Chemistry, 2013, 288, 36116-36128.	1.6	38
40	Mycobacterium tuberculosis S-adenosyl-l-homocysteine hydrolase is negatively regulated by Ser/Thr phosphorylation. Biochemical and Biophysical Research Communications, 2013, 430, 858-864.	1.0	14
41	Mycobacterium tuberculosis Maltosyltransferase GlgE, a Genetically Validated Antituberculosis Target, Is Negatively Regulated by Ser/Thr Phosphorylation. Journal of Biological Chemistry, 2013, 288, 16546-16556.	1.6	33
42	Deciphering the Function of the Outer Membrane Protein OprD Homologue of Acinetobacter baumannii. Antimicrobial Agents and Chemotherapy, 2012, 56, 3826-3832.	1.4	57
43	Phosphorylation of Mycobacterial PcaA Inhibits Mycolic Acid Cyclopropanation. Journal of Biological Chemistry, 2012, 287, 26187-26199.	1.6	56
44	The Ser/Thr protein kinase AfsK regulates polar growth and hyphal branching in the filamentous bacteria <i>Streptomyces</i> . Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E2371-9.	3.3	103
45	A Novel Mode of Regulation of the Staphylococcus aureus Catabolite Control Protein A (CcpA) Mediated by Stk1 Protein Phosphorylation. Journal of Biological Chemistry, 2012, 287, 43607-43619.	1.6	65
46	Negative regulation by Ser/Thr phosphorylation of HadAB and HadBC dehydratases from Mycobacterium tuberculosis type II fatty acid synthase system. Biochemical and Biophysical Research Communications, 2011, 412, 401-406.	1.0	41
47	Structural Insight into the Mycobacterium tuberculosis Rv0020c Protein and Its Interaction with the PknB Kinase. Structure, 2011, 19, 1525-1534.	1.6	39
48	Structure of the <i>Mycobacterium tuberculosis</i> OmpATb protein: A model of an oligomeric channel in the mycobacterial cell wall. Proteins: Structure, Function and Bioinformatics, 2011, 79, 645-661.	1.5	24
49	Structure-function relationships of CarO, the carbapenem resistance-associated outer membrane protein of Acinetobacter baumannii. Journal of Antimicrobial Chemotherapy, 2011, 66, 2053-2056.	1.3	78
50	Forkhead-associated (FHA) Domain Containing ABC Transporter Rv1747 Is Positively Regulated by Ser/Thr Phosphorylation in Mycobacterium tuberculosis. Journal of Biological Chemistry, 2011, 286, 26198-26209.	1.6	33
51	An improved method to unravel phosphoacceptors in Ser/Thr protein kinase-phosphorylated substrates. Proteomics, 2010, 10, 3910-3915.	1.3	24
52	Division and cell envelope regulation by Ser/Thr phosphorylation: <i>Mycobacterium</i> shows the way. Molecular Microbiology, 2010, 75, 1064-1077.	1.2	186
53	Phosphorylation of InhA inhibits mycolic acid biosynthesis and growth of <i>Mycobacterium tuberculosis</i> . Molecular Microbiology, 2010, 78, 1591-1605.	1.2	60
54	Phosphorylation of the Mycobacterium tuberculosis β -Ketoacyl-Acyl Carrier Protein Reductase MabA Regulates Mycolic Acid Biosynthesis. Journal of Biological Chemistry, 2010, 285, 12714-12725.	1.6	71

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55	Phosphorylation of a Novel Cytoskeletal Protein (RsmP) Regulates Rod-shaped Morphology in <i>Corynebacterium glutamicum</i> . <i>Journal of Biological Chemistry</i> , 2010, 285, 29387-29397.	1.6	34
56	The <i>Staphylococcus aureus</i> Autoinducer-2 Synthase LuxS Is Regulated by Ser/Thr Phosphorylation. <i>Journal of Bacteriology</i> , 2010, 192, 6295-6301.	1.0	25
57	First Structural Characterization of a Ton-Domain in a Protein from <i>Mycobacterium Tuberculosis</i> : OmpATb Tracks toward an Oligomerization Process to form a Cell Wall Pore. <i>Biophysical Journal</i> , 2010, 98, 648a.	0.2	0
58	The <i>Mycobacterium tuberculosis</i> Ser/Thr Kinase Substrate Rv2175c Is a DNA-binding Protein Regulated by Phosphorylation. <i>Journal of Biological Chemistry</i> , 2009, 284, 19290-19300.	1.6	37
59	The <i>Mycobacterium tuberculosis</i> β -Ketoacyl-Acyl Carrier Protein Synthase III Activity Is Inhibited by Phosphorylation on a Single Threonine Residue. <i>Journal of Biological Chemistry</i> , 2009, 284, 6414-6424.	1.6	69
60	The <i>Mycobacterium tuberculosis</i> GroEL1 Chaperone Is a Substrate of Ser/Thr Protein Kinases. <i>Journal of Bacteriology</i> , 2009, 191, 2876-2883.	1.0	40
61	From the characterization of the four serine/threonine protein kinases (PknA/B/G/L) of <i>Corynebacterium glutamicum</i> toward the role of PknA and PknB in cell division.. <i>Journal of Biological Chemistry</i> , 2009, 284, 16060.	1.6	1
62	Dynamic and Structural Characterization of a Bacterial FHA Protein Reveals a New Autoinhibition Mechanism. <i>Structure</i> , 2009, 17, 568-578.	1.6	72
63	EtpB Is a Pore-Forming Outer Membrane Protein Showing TpsB Protein Features Involved in the Two-Partner Secretion System. <i>Journal of Membrane Biology</i> , 2009, 230, 143-154.	1.0	4
64	The <i>Mycobacterium tuberculosis</i> serine/threonine kinase PknL phosphorylates Rv2175c: Mass spectrometric profiling of the activation loop phosphorylation sites and their role in the recruitment of Rv2175c. <i>Proteomics</i> , 2008, 8, 521-533.	1.3	54
65	pETPhos: A customized expression vector designed for further characterization of Ser/Thr/Tyr protein kinases and their substrates. <i>Plasmid</i> , 2008, 60, 149-153.	0.4	30
66	The MurC Ligase Essential for Peptidoglycan Biosynthesis Is Regulated by the Serine/Threonine Protein Kinase PknA in <i>Corynebacterium glutamicum</i> . <i>Journal of Biological Chemistry</i> , 2008, 283, 36553-36563.	1.6	55
67	From the Characterization of the Four Serine/Threonine Protein Kinases (PknA/B/G/L) of <i>Corynebacterium glutamicum</i> toward the Role of PknA and PknB in Cell Division. <i>Journal of Biological Chemistry</i> , 2008, 283, 18099-18112.	1.6	86
68	First evidence of the pore-forming properties of a keratin from skin mucus of rainbow trout (<i>Oncorhynchus mykiss</i> , formerly <i>Salmo gairdneri</i>). <i>Biochemical Journal</i> , 2008, 411, 33-40.	1.7	38
69	EmbR2, a structural homologue of EmbR, inhibits the <i>Mycobacterium tuberculosis</i> kinase/substrate pair PknH/EmbR. <i>Biochemical Journal</i> , 2008, 410, 309-317.	1.7	25
70	Identification of Biofilm-Associated Cluster (bac) in <i>Pseudomonas aeruginosa</i> Involved in Biofilm Formation and Virulence. <i>PLoS ONE</i> , 2008, 3, e3897.	1.1	33
71	The N-Terminal Domain of OmpATb Is Required for Membrane Translocation and Pore-Forming Activity in <i>Mycobacteria</i> . <i>Journal of Bacteriology</i> , 2007, 189, 6351-6358.	1.0	26
72	The <i>Mycobacterium tuberculosis</i> FAS-II condensing enzymes: their role in mycolic acid biosynthesis, acid-fastness, pathogenesis and in future drug development. <i>Molecular Microbiology</i> , 2007, 64, 1442-1454.	1.2	188

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73	Characterization of the phosphorylation sites of <i>Mycobacterium tuberculosis</i> serine/threonine protein kinases, PknA, PknD, PknE, and PknH by mass spectrometry. <i>Proteomics</i> , 2006, 6, 3754-3766.	1.3	25
74	pH-dependent pore-forming activity of OmpATb from <i>Mycobacterium tuberculosis</i> and characterization of the channel by peptidic dissection. <i>Molecular Microbiology</i> , 2006, 61, 826-837.	1.2	44
75	Molecular structure of EmrB, a response element of Ser/Thr kinase signaling in <i>Mycobacterium tuberculosis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 2558-2563.	3.3	76
76	The Condensing Activities of the <i>Mycobacterium tuberculosis</i> Type II Fatty Acid Synthase Are Differentially Regulated by Phosphorylation. <i>Journal of Biological Chemistry</i> , 2006, 281, 30094-30103.	1.6	101
77	Cross-regulation among disparate antibiotic biosynthetic pathways of <i>Streptomyces coelicolor</i> . <i>Molecular Microbiology</i> , 2005, 58, 1276-1287.	1.2	182
78	Channel Formation by CarO, the Carbapenem Resistance-Associated Outer Membrane Protein of <i>Acinetobacter baumannii</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2005, 49, 4876-4883.	1.4	111
79	Two FHA domains on an ABC transporter, Rv1747, mediate its phosphorylation by PknF, a Ser/Thr protein kinase from <i>Mycobacterium tuberculosis</i> . <i>FEMS Microbiology Letters</i> , 2004, 234, 215-223.	0.7	77
80	Two FHA domains on an ABC transporter, Rv1747, mediate its phosphorylation by PknF, a Ser/Thr protein kinase from <i>Mycobacterium tuberculosis</i> . <i>FEMS Microbiology Letters</i> , 2004, 234, 215-223.	0.7	40
81	The Spo0A regulon of <i>Bacillus subtilis</i> . <i>Molecular Microbiology</i> , 2003, 50, 1683-1701.	1.2	466
82	An FHA Phosphoprotein Recognition Domain Mediates Protein EmrB Phosphorylation by PknH, a Ser/Thr Protein Kinase from <i>Mycobacterium tuberculosis</i> . <i>Biochemistry</i> , 2003, 42, 15300-15309.	1.2	136
83	Protein PknE, a novel transmembrane eukaryotic-like serine/threonine kinase from <i>Mycobacterium tuberculosis</i> . <i>Biochemical and Biophysical Research Communications</i> , 2003, 308, 820-825.	1.0	46
84	Additional Targets of the <i>Bacillus subtilis</i> Global Regulator CodY Identified by Chromatin Immunoprecipitation and Genome-Wide Transcript Analysis. <i>Journal of Bacteriology</i> , 2003, 185, 1911-1922.	1.0	265
85	Different alleles of the response regulator gene bldM arrest <i>Streptomyces coelicolor</i> development at distinct stages. <i>Molecular Microbiology</i> , 2002, 36, 1265-1278.	1.2	75
86	Defining the disulphide stress response in <i>Streptomyces coelicolor</i> A3(2): identification of the sigmaR regulon. <i>Molecular Microbiology</i> , 2001, 42, 1007-1020.	1.2	171
87	BldN, an Extracytoplasmic Function RNA Polymerase Sigma Factor Required for Aerial Mycelium Formation in <i>Streptomyces coelicolor</i> A3(2). <i>Journal of Bacteriology</i> , 2000, 182, 4606-4616.	1.0	132
88	WhiD and WhiB, Homologous Proteins Required for Different Stages of Sporulation in <i>Streptomyces coelicolor</i> A3(2). <i>Journal of Bacteriology</i> , 2000, 182, 1286-1295.	1.0	105
89	New Sporulation Loci in <i>Streptomyces coelicolor</i> A3(2). <i>Journal of Bacteriology</i> , 1999, 181, 5419-5425.	1.0	47