

Emmanuelle Bouveret

List of Publications by Year in descending order

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45
papers

3,679
citations

304743

22
h-index

276875

41
g-index

47
all docs

47
docs citations

47
times ranked

4500
citing authors

#	ARTICLE	IF	CITATIONS
1	The Tandem Affinity Purification (TAP) Method: A General Procedure of Protein Complex Purification. <i>Methods</i> , 2001, 24, 218-229.	3.8	1,550
2	The bacterial two-hybrid system based on adenylate cyclase reconstitution in <i>Escherichia coli</i> . <i>Methods</i> , 2012, 58, 325-334.	3.8	291
3	Acyl carrier protein/SpoT interaction, the switch linking SpoT-dependent stress response to fatty acid metabolism. <i>Molecular Microbiology</i> , 2006, 62, 1048-1063.	2.5	285
4	Colicin Import into <i>Escherichia coli</i> Cells. <i>Journal of Bacteriology</i> , 1998, 180, 4993-5002.	2.2	166
5	The Tol-Pal proteins of the <i>Escherichia coli</i> cell envelope: an energized system required for outer membrane integrity?. <i>Research in Microbiology</i> , 2001, 152, 523-529.	2.1	157
6	Peptidoglycan-associated Lipoprotein-TolB Interaction. <i>Journal of Biological Chemistry</i> , 1995, 270, 11071-11077.	3.4	136
7	A protein network for phospholipid synthesis uncovered by a variant of the tandem affinity purification method in <i>Escherichia coli</i> . <i>Proteomics</i> , 2006, 6, 282-293.	2.2	96
8	Bacteria Possessing Two RelA/SpoT-Like Proteins Have Evolved a Specific Stringent Response Involving the Acyl Carrier Protein-SpoT Interaction. <i>Journal of Bacteriology</i> , 2009, 191, 616-624.	2.2	84
9	An Ancient Bacterial Signaling Pathway Regulates Chloroplast Function to Influence Growth and Development in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2016, 28, 661-679.	6.6	82
10	In Vitro Characterization of Peptidoglycan-Associated Lipoprotein (PAL) Peptidoglycan and PAL TolB Interactions. <i>Journal of Bacteriology</i> , 1999, 181, 6306-6311.	2.2	79
11	Distinct regions of the colicin A translocation domain are involved in the interaction with TolA and TolB proteins upon import into <i>Escherichia coli</i> . <i>Molecular Microbiology</i> , 1998, 27, 143-157.	2.5	78
12	Transcription of the <i>Escherichia coli</i> Fatty Acid Synthesis Operon <i>fabHDC</i> Is Directly Activated by FadR and Inhibited by ppGpp. <i>Journal of Bacteriology</i> , 2013, 195, 3784-3795.	2.2	78
13	Structure of the <i>Escherichia coli</i> TolB protein determined by MAD methods at 1.95 Å resolution. <i>Structure</i> , 1999, 7, 1291-1300.	3.3	68
14	The N-terminal domain of colicin E3 interacts with TolB which is involved in the colicin translocation step. <i>Molecular Microbiology</i> , 1997, 23, 909-920.	2.5	61
15	Import of colicins across the outer membrane of <i>Escherichia coli</i> involves multiple protein interactions in the periplasm. <i>Molecular Microbiology</i> , 2001, 42, 331-344.	2.5	46
16	Antagonistic regulation of <i>dgkA</i> and <i>plsB</i> genes of phospholipid synthesis by multiple stress responses in <i>Escherichia coli</i> . <i>Molecular Microbiology</i> , 2011, 80, 1260-1275.	2.5	39
17	Analysis of the <i>Escherichia coli</i> Tol-Pal and TonB systems by periplasmic production of Tol, TonB, colicin, or phage capsid soluble domains. <i>Biochimie</i> , 2002, 84, 413-421.	2.6	37
18	Tat HIV-1 Primary and Tertiary Structures Critical to Immune Response Against Non-homologous Variants. <i>Journal of Biological Chemistry</i> , 2002, 277, 35915-35919.	3.4	35

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19	The Hotdog Thioesterase EntH (YbdB) Plays a Role In Vivo in Optimal Enterobactin Biosynthesis by Interacting with the ArCP Domain of EntB. <i>Journal of Bacteriology</i> , 2007, 189, 7112-7126.	2.2	33
20	Evidence for New Homotypic and Heterotypic Interactions between Transmembrane Helices of Proteins Involved in Receptor Tyrosine Kinase and Neuropilin Signaling. <i>Journal of Molecular Biology</i> , 2014, 426, 4099-4111.	4.2	33
21	Identification of phospholipids as new components that assist in their vitrotimerization of a bacterial pore protein. <i>FEBS Journal</i> , 2001, 268, 865-875.	0.2	29
22	Effects of amino acid starvation on <scp>RelA</scp> diffusive behavior in live <scp><i>E. coli</i></scp>. <i>Molecular Microbiology</i> , 2016, 99, 571-585.	2.5	27
23	The O2-independent pathway of ubiquinone biosynthesis is essential for denitrification in <i>Pseudomonas aeruginosa</i> . <i>Journal of Biological Chemistry</i> , 2020, 295, 9021-9032.	3.4	25
24	Improvement of bacterial twoâ€hybrid vectors for detection of fusion proteins and transfer to pBADâ€tandem affinity purification, calmodulin binding peptide, or 6â€histidine tag vectors. <i>Proteomics</i> , 2008, 8, 4768-4771.	2.2	21
25	Disrupting the Acyl Carrier Protein/SpoT Interaction In Vivo: Identification of ACP Residues Involved in the Interaction and Consequence on Growth. <i>PLoS ONE</i> , 2012, 7, e36111.	2.5	20
26	Overexpression of the olive acyl carrier protein gene (OeACP1) produces alterations in fatty acid composition of tobacco leaves. <i>Transgenic Research</i> , 2016, 25, 45-61.	2.4	16
27	Acylation of the Type 3 Secretion System Translocon Using a Dedicated Acyl Carrier Protein. <i>PLoS Genetics</i> , 2017, 13, e1006556.	3.5	15
28	Bacterial Interactomes: From Interactions to Networks. <i>Methods in Molecular Biology</i> , 2012, 804, 15-33.	0.9	12
29	Quantification of guanosine triphosphate and tetraphosphate in plants and algae using stable isotope-labelled internal standards. <i>Talanta</i> , 2020, 219, 121261.	5.5	12
30	Oxidative stress antagonizes fluoroquinolone drug sensitivity via the SoxR-SUF Fe-S cluster homeostatic axis. <i>PLoS Genetics</i> , 2020, 16, e1009198.	3.5	10
31	Cellular assays identify barriers impeding iron-sulfur enzyme activity in a non-native prokaryotic host. <i>ELife</i> , 2022, 11, .	6.0	9
32	Crystallization and preliminary crystallographic study of a component of the <i>Escherichia coli</i> Tol system: TolB. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 1998, 54, 102-104.	2.5	8
33	Flow Cytometric Single-Cell Analysis for Quantitative in Vivo Detection of Proteinâ€Protein Interactions via Relative Reporter Protein Expression Measurement. <i>Analytical Chemistry</i> , 2017, 89, 2782-2789.	6.5	7
34	SlyA Transcriptional Regulator Is Not Directly Affected by ppGpp Levels. <i>Frontiers in Microbiology</i> , 2020, 11, 1856.	3.5	7
35	Proteinâ€Protein Interaction: Tandem Affinity Purification in Bacteria. <i>Methods in Molecular Biology</i> , 2017, 1615, 221-232.	0.9	6
36	Coexpression of <i>Escherichia coli</i> obgE, Encoding the Evolutionarily Conserved Obg GTPase, with Ribosomal Proteins L21 and L27. <i>Journal of Bacteriology</i> , 2016, 198, 1857-1867.	2.2	5

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37	Posttranslational Maturation of the Invasion Acyl Carrier Protein of <i>Salmonella enterica</i> Serovar Typhimurium Requires an Essential Phosphopantetheinyl Transferase of the Fatty Acid Biosynthesis Pathway. <i>Journal of Bacteriology</i> , 2013, 195, 4399-4405.	2.2	4
38	Tagging of <i>Escherichia coli</i> proteins with new cassettes allowing <i>in vivo</i> systematic fluorescent and luminescent detection, and purification from physiological expression levels. <i>Proteomics</i> , 2009, 9, 5389-5393.	2.2	3
39	Deciphering the specific interaction between the acyl carrier protein lacP and the T3SS major hydrophobic translocator SipB from <i>Salmonella</i> . <i>FEBS Letters</i> , 2020, 594, 251-265.	2.8	2
40	Bacterial Homologs of Progesterone and AdipoQ Receptors (PAQRs) Affect Membrane Energetics Homeostasis but Not Fluidity. <i>Journal of Bacteriology</i> , 2022, 204, e0058321.	2.2	2
41	The Stringent Response. , 2014, , 229-250.		1
42	Dual Regulation of Phosphatidylserine Decarboxylase Expression by Envelope Stress Responses. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 665977.	3.5	1
43	Dual-fluorescent bacterial two-hybrid system for quantitative Protein-Protein interaction measurement via flow cytometry. <i>Talanta</i> , 2021, 233, 122549.	5.5	1
44	The Tol/PAL and TonB systems : two envelope-spanning protein complexes involved in colicin import in <i>E. coli</i> . , 1996, , 59-69.		0
45	Linking glucose metabolism to the stringent response through the PTS. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 7454-7455.	7.1	0