

isabelle Broutin

List of Publications by Year in descending order

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75
papers

3,037
citations

186265

28
h-index

175258

52
g-index

77
all docs

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docs citations

77
times ranked

4714
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>INF2</i> Mutations in Charcot-Marie-Tooth Disease with Glomerulopathy. <i>New England Journal of Medicine</i> , 2011, 365, 2377-2388.	27.0	235
2	Five new TTF1/NKX2.1 mutations in brain-lung-thyroid syndrome: rescue by PAX8 synergism in one case. <i>Human Molecular Genetics</i> , 2009, 18, 2266-2276.	2.9	187
3	Mutations in β -Lactamase AmpC Increase Resistance of <i>Pseudomonas aeruginosa</i> Isolates to Antipseudomonal Cephalosporins. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 6248-6255.	3.2	187
4	GRB2 Links Signaling to Actin Assembly by Enhancing Interaction of Neural Wiskott-Aldrich Syndrome Protein (N-WASP) with Actin-related Protein (ARP2/3) Complex. <i>Journal of Biological Chemistry</i> , 2000, 275, 21946-21952.	3.4	186
5	Tripartite assembly of RND multidrug efflux pumps. <i>Nature Communications</i> , 2016, 7, 10731.	12.8	166
6	Mutations in <i>INF2</i> Are a Major Cause of Autosomal Dominant Focal Segmental Glomerulosclerosis. <i>Journal of the American Society of Nephrology: JASN</i> , 2011, 22, 239-245.	6.1	138
7	<i>NKX2-1</i> mutations leading to surfactant protein promoter dysregulation cause interstitial lung disease in Brain-Lung-Thyroid Syndrome. <i>Human Mutation</i> , 2010, 31, E1146-E1162.	2.5	108
8	Novel NOBOX loss-of-function mutations account for 6.2% of cases in a large primary ovarian insufficiency cohort. <i>Human Mutation</i> , 2011, 32, 1108-1113.	2.5	94
9	Multiple Mutations Lead to MexXY-OprM-Dependent Aminoglycoside Resistance in Clinical Strains of <i>Pseudomonas aeruginosa</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 221-228.	3.2	93
10	Crystal structures of the SH2 domain of <i>grb2</i> : highlight on the binding of a new high-affinity inhibitor. <i>Journal of Molecular Biology</i> , 2002, 315, 1167-1177.	4.2	87
11	Lysine Succinylation and Acetylation in <i>Pseudomonas aeruginosa</i> . <i>Journal of Proteome Research</i> , 2018, 17, 2449-2459.	3.7	81
12	Structural effects of monovalent anions on polymorphic lysozyme crystals. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2001, 57, 929-940.	2.5	71
13	Structural and Thermodynamic Bases for the Design of Pure Prolactin Receptor Antagonists. <i>Journal of Biological Chemistry</i> , 2007, 282, 33118-33131.	3.4	66
14	Quantification of Detergents Complexed with Membrane Proteins. <i>Scientific Reports</i> , 2017, 7, 41751.	3.3	66
15	Enzyme structural plasticity and the emergence of broad-spectrum antibiotic resistance. <i>EMBO Reports</i> , 2008, 9, 344-349.	4.5	63
16	Crystal Structure of an Affinity-matured Prolactin Complexed to Its Dimerized Receptor Reveals the Topology of Hormone Binding Site 2. <i>Journal of Biological Chemistry</i> , 2010, 285, 8422-8433.	3.4	59
17	The catalytic site of serine proteinases as a specific binding cavity for xenon. <i>Structure</i> , 1995, 3, 309-316.	3.3	56
18	Structural and Dynamical Insights into the Opening Mechanism of <i>P. aeruginosa</i> OprM Channel. <i>Structure</i> , 2010, 18, 507-517.	3.3	53

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19	Functional Mechanism of the Efflux Pumps Transcription Regulators From <i>Pseudomonas aeruginosa</i> Based on 3D Structures. <i>Frontiers in Molecular Biosciences</i> , 2018, 5, 57.	3.5	51
20	SAXS Study of the PIR Domain from the Grb14 Molecular Adaptor: A Natively Unfolded Protein with a Transient Structure Primer?. <i>Biophysical Journal</i> , 2004, 87, 4056-4064.	0.5	48
21	In vitro transport activity of the fully assembled MexAB-OprM efflux pump from <i>Pseudomonas aeruginosa</i> . <i>Nature Communications</i> , 2015, 6, 6890.	12.8	47
22	Structural Characterization of the Stem- α -Stem Dimerization Interface between Prolactin Receptor Chains Complexed with the Natural Hormone. <i>Journal of Molecular Biology</i> , 2010, 404, 112-126.	4.2	45
23	Antibiotic export by MexB multidrug efflux transporter is allosterically controlled by a MexA-OprM chaperone-like complex. <i>Nature Communications</i> , 2020, 11, 4948.	12.8	45
24	Surface Plasmon Resonance Thermodynamic and Kinetic Analysis as a Strategic Tool in Drug Design. Distinct Ways for Phosphopeptides to Plug into Src- and Grb2 SH2 Domains. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 753-763.	6.4	42
25	Carbapenem resistance in cystic fibrosis strains of <i>Pseudomonas aeruginosa</i> as a result of amino acid substitutions in porin OprD. <i>International Journal of Antimicrobial Agents</i> , 2015, 45, 529-532.	2.5	39
26	Targeting the Proangiogenic VEGF-VEGFR Protein-Protein Interface with Drug-like Compounds by In Silico and In Vitro Screening. <i>Chemistry and Biology</i> , 2011, 18, 1631-1639.	6.0	38
27	Lysozyme solubility in H ₂ O and D ₂ O solutions as a function of sodium chloride concentration. <i>Journal of Applied Crystallography</i> , 1995, 28, 614-617.	4.5	32
28	Crystallography studies in microgravity with the Advanced Protein Crystallization Facility on SpaceHab-01. <i>Journal of Crystal Growth</i> , 1997, 181, 79-96.	1.5	32
29	Molecular Determinants of Grb14-Mediated Inhibition of Insulin Signaling. <i>Molecular Endocrinology</i> , 2009, 23, 1043-1051.	3.7	28
30	The PIR domain of Grb14 is an intrinsically unstructured protein: implication in insulin signaling. <i>FEBS Letters</i> , 2003, 554, 240-246.	2.8	26
31	Photo-induced proton gradients for the in vitro investigation of bacterial efflux pumps. <i>Scientific Reports</i> , 2012, 2, 306.	3.3	25
32	High affinity Grb2-SH3 domain ligand incorporating C β -substituted prolines in a Sos-derived decapeptide. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 1439-1447.	3.0	24
33	Natural paniceins from mediterranean sponge inhibit the multidrug resistance activity of Patched and increase chemotherapy efficiency on melanoma cells. <i>Oncotarget</i> , 2015, 6, 22282-22297.	1.8	24
34	Constitutive Activation of MexT by Amino Acid Substitutions Results in MexEF-OprN Overproduction in Clinical Isolates of <i>Pseudomonas aeruginosa</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	3.2	23
35	Changes in structural dynamics of the Grb2 adaptor protein upon binding of phosphotyrosine ligand to its SH2 domain. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2004, 1700, 53-64.	2.3	22
36	Amphipol-Mediated Screening of Molecular Orthoses Specific for Membrane Protein Targets. <i>Journal of Membrane Biology</i> , 2014, 247, 925-940.	2.1	22

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37	VEGF (Vascular Endothelial Growth Factor) Functionalized Magnetic Beads in a Microfluidic Device to Improve the Angiogenic Balance in Preeclampsia. <i>Hypertension</i> , 2019, 74, 145-153.	2.7	20
38	Catch me if you can: a biotinylated proteoliposome affinity assay for the investigation of assembly of the MexA-MexB-OprM efflux pump from <i>Pseudomonas aeruginosa</i> . <i>Frontiers in Microbiology</i> , 2015, 6, 541.	3.5	19
39	Crystallographic analyses of lysozyme and collagenase microgravity grown crystals versus ground controls. <i>Journal of Crystal Growth</i> , 1997, 181, 97-108.	1.5	18
40	LC-MS/MS-based quantification of efflux transporter proteins at the BBB. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 164, 496-508.	2.8	18
41	Germline Prolactin Receptor Mutation Is Not a Major Cause of Sporadic Prolactinoma in Humans. <i>Neuroendocrinology</i> , 2016, 103, 738-745.	2.5	17
42	The Peptide ER17p Is a GPER Inverse Agonist that Exerts Antiproliferative Effects in Breast Cancer Cells. <i>Cells</i> , 2019, 8, 590.	4.1	17
43	From Vascular Smooth Muscle Cells to Folliculogenesis: What About Vasorin?. <i>Frontiers in Medicine</i> , 2018, 5, 335.	2.6	16
44	Focus on the Outer Membrane Factor OprM, the Forgotten Player from Efflux Pumps Assemblies. <i>Antibiotics</i> , 2015, 4, 544-566.	3.7	15
45	New OprM structure highlighting the nature of the N-terminal anchor. <i>Frontiers in Microbiology</i> , 2015, 6, 667.	3.5	15
46	Vascular Endothelial Growth Factor Peptide Ligands Explored by Competition Assay and Isothermal Titration Calorimetry. <i>Biochemistry</i> , 2015, 54, 5147-5156.	2.5	15
47	Expression, purification, crystallization and preliminary X-ray studies of the outer membrane efflux proteins OprM and OprN from <i>Pseudomonas aeruginosa</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2005, 61, 315-318.	0.7	14
48	Stoichiometry of the MexM-ex MexA-OprM binding, as investigated by blue native gel electrophoresis. <i>Electrophoresis</i> , 2012, 33, 1282-1287.	2.4	14
49	Contribution of asparagine 346 residue to the carbapenemase activity of CMY-2 β -lactamase. <i>FEMS Microbiology Letters</i> , 2013, 345, 147-153.	1.8	14
50	Residue 146 regulates prolactin receptor folding, basal activity and ligand-responsiveness: Potential implications in breast tumorigenesis. <i>Molecular and Cellular Endocrinology</i> , 2015, 401, 173-188.	3.2	14
51	Targeted unlabeled multiple reaction monitoring analysis of cell markers for the study of sample heterogeneity in isolated rat brain cortical microvessels. <i>Journal of Neurochemistry</i> , 2017, 142, 597-609.	3.9	14
52	Reconstitution of Membrane Proteins in Liposomes. <i>Methods in Molecular Biology</i> , 2017, 1635, 259-282.	0.9	14
53	1.8 Å... Structure of Hypoderma lineatum Collagenase: a Member of the Serine Proteinase Family. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 1996, 52, 380-392.	2.5	13
54	Grb2 promotes reinitiation of meiosis in <i>Xenopus</i> oocytes. <i>Cellular Signalling</i> , 2001, 13, 51-55.	3.6	13

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55	Activity monitoring of functional OprM using a biomimetic microfluidic device. <i>Analyst</i> , The, 2012, 137, 847.	3.5	13
56	Structures of cellular retinoic acid binding proteins I and II in complex with synthetic retinoids. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 1999, 55, 1850-1857.	2.5	11
57	Solution NMR structure of the SH3 domain of human nephrocystin and analysis of a mutation-causing juvenile nephronophthisis. <i>Proteins: Structure, Function and Bioinformatics</i> , 2005, 59, 347-355.	2.6	10
58	Biochemical Reconstitution and Characterization of Multicomponent Drug Efflux Transporters. <i>Methods in Molecular Biology</i> , 2018, 1700, 113-145.	0.9	10
59	MexAB-OprM Efflux Pump Interaction with the Peptidoglycan of <i>Escherichia coli</i> and <i>Pseudomonas aeruginosa</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 5328.	4.1	10
60	Biophysical Studies of the Induced Dimerization of Human VEGF Receptor 1 Binding Domain by Divalent Metals Competing with VEGF-A. <i>PLoS ONE</i> , 2016, 11, e0167755.	2.5	10
61	<i>In vitro</i> Investigation of the MexAB Efflux Pump From <i>Pseudomonas aeruginosa</i> . <i>Journal of Visualized Experiments</i> , 2014, , e50894.	0.3	9
62	Studying dynamics without explicit dynamics: A structure-based study of the export mechanism by <i>AcrB</i> . <i>Proteins: Structure, Function and Bioinformatics</i> , 2021, 89, 259-275.	2.6	9
63	1.7 Å... X-ray structure of space-grown collagenase crystals. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2000, 56, 376-378.	2.5	8
64	Monitoring the active transport of efflux pumps after their reconstitution into proteoliposomes: Caveats and keys. <i>Analytical Biochemistry</i> , 2012, 420, 194-196.	2.4	8
65	How to best estimate the viscosity of lipid bilayers. <i>Biophysical Chemistry</i> , 2022, 281, 106732.	2.8	8
66	A non-canonical Grb2-PLC- β 1-Sos cascade triggered by lipovitellin 1, an apolipoprotein B homologue. <i>Cellular Signalling</i> , 2007, 19, 2540-2548.	3.6	7
67	Identification of Polyproline II Regions Derived From the Proline-Rich Nuclear Receptor Coactivators PNRC and PNRC2: New Insights for ER α Coactivator Interactions. <i>Chirality</i> , 2013, 25, 628-642.	2.6	6
68	Molecular Determinants for OMF Selectivity in Tripartite RND Multidrug Efflux Systems. <i>Antibiotics</i> , 2022, 11, 126.	3.7	6
69	Hoechst likes to play hide and seek – use it with caution!. <i>Analytical Biochemistry</i> , 2013, 440, 117-119.	2.4	5
70	Xenon for tunnelling analysis of the efflux pump component OprN. <i>PLoS ONE</i> , 2017, 12, e0184045.	2.5	5
71	A Residue Quartet in the Extracellular Domain of the Prolactin Receptor Selectively Controls Mitogen-activated Protein Kinase Signaling. <i>Journal of Biological Chemistry</i> , 2015, 290, 11890-11904.	3.4	4
72	VEGFR1 domain 2 covalent labeling with horseradish peroxidase: Development of a displacement assay on VEGF. <i>Analytical Biochemistry</i> , 2017, 530, 107-112.	2.4	3

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73	Minimal nanodisc without exogenous lipids for stabilizing membrane proteins in detergent-free buffer. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2019, 1861, 852-860.	2.6	3
74	The Structural and Functional Study of Efflux Pumps Belonging to the RND Transporters Family from Gram-Negative Bacteria. <i>Antibiotics</i> , 2022, 11, 429.	3.7	2
75	Unusual binding of Grb2 protein to a bivalent polyproline-ligand immobilized on a SPR sensor: Intermolecular bivalent binding. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2013, 1834, 524-535.	2.3	1