

Pierre Cosson

List of Publications by Year in descending order

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75
papers

5,133
citations

109137

35
h-index

88477

70
g-index

80
all docs

80
docs citations

80
times ranked

4335
citing authors

#	ARTICLE	IF	CITATIONS
1	Coatomer is essential for retrieval of dilysine-tagged proteins to the endoplasmic reticulum. <i>Cell</i> , 1994, 79, 1199-1207.	13.5	761
2	Coatomer interaction with di-lysine endoplasmic reticulum retention motifs. <i>Science</i> , 1994, 263, 1629-1631.	6.0	559
3	Colocalized transmembrane determinants for ER degradation and subunit assembly explain the intracellular fate of TCR chains. <i>Cell</i> , 1990, 63, 503-513.	13.5	268
4	Membrane protein association by potential intrarnembrane charge pairs. <i>Nature</i> , 1991, 351, 414-416.	13.7	258
5	<i>Pseudomonas aeruginosa</i> Virulence Analyzed in a <i>Dictyostelium discoideum</i> Host System. <i>Journal of Bacteriology</i> , 2002, 184, 3027-3033.	1.0	258
6	Eat, kill or die: when amoeba meets bacteria. <i>Current Opinion in Microbiology</i> , 2008, 11, 271-276.	2.3	223
7	Mitofusin-2 Independent Juxtaposition of Endoplasmic Reticulum and Mitochondria: An Ultrastructural Study. <i>PLoS ONE</i> , 2012, 7, e46293.	1.1	198
8	STIM1-induced precortical and cortical subdomains of the endoplasmic reticulum. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 19358-19362.	3.3	190
9	Phg1p Is a Nine-transmembrane Protein Superfamily Member Involved in <i>Dictyostelium</i> Adhesion and Phagocytosis. <i>Journal of Biological Chemistry</i> , 2000, 275, 34287-34292.	1.6	177
10	Specific host genes required for the killing of <i>Klebsiella</i> bacteria by phagocytes. <i>Cellular Microbiology</i> , 2006, 8, 139-148.	1.1	136
11	<i>Dictyostelium discoideum</i> : a model host to measure bacterial virulence. <i>Nature Protocols</i> , 2009, 4, 25-30.	5.5	100
12	Membrane sorting in the endocytic and phagocytic pathway of <i>Dictyostelium discoideum</i> . <i>European Journal of Cell Biology</i> , 2001, 80, 754-764.	1.6	95
13	An adhesion molecule in free-living <i>Dictyostelium</i> amoebae with integrin β 2 features. <i>EMBO Reports</i> , 2006, 7, 617-621.	2.0	93
14	<i>Pseudomonas aeruginosa</i> virulence genes identified in a <i>Dictyostelium</i> host model. <i>Cellular Microbiology</i> , 2008, 10, 729-740.	1.1	80
15	Selective membrane exclusion in phagocytic and macropinocytic cups. <i>Journal of Cell Science</i> , 2006, 119, 4079-4087.	1.2	71
16	A resident Golgi protein is excluded from peri-Golgi vesicles in NRK cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 12831-12834.	3.3	64
17	Anchors aweigh: protein localization and transport mediated by transmembrane domains. <i>Trends in Cell Biology</i> , 2013, 23, 511-517.	3.6	64
18	Targeting to the Endoplasmic Reticulum in Yeast Cells by Determinants Present in Transmembrane Domains. <i>Journal of Biological Chemistry</i> , 1998, 273, 33273-33278.	1.6	60

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19	Role of magnesium and a phagosomal P-type ATPase in intracellular bacterial killing. Cellular Microbiology, 2011, 13, 246-258.	1.1	55
20	Phg2, a Kinase Involved in Adhesion and Focal Site Modeling in Dictyostelium. Molecular Biology of the Cell, 2004, 15, 3915-3925.	0.9	54
21	Synergistic Control of Cellular Adhesion by Transmembrane 9 Proteins. Molecular Biology of the Cell, 2003, 14, 2890-2899.	0.9	50
22	MitoNEET-dependent formation of intermitochondrial junctions. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 8277-8282.	3.3	49
23	Alternative Host Model To Evaluate <i>Aeromonas</i> Virulence. Applied and Environmental Microbiology, 2007, 73, 5657-5659.	1.4	47
24	A LYST/beige homolog is involved in biogenesis of <i>Dictyostelium</i> secretory lysosomes. Journal of Cell Science, 2007, 120, 2338-2343.	1.2	47
25	A measure of endosomal pH by flow cytometry in Dictyostelium. BMC Research Notes, 2009, 2, 7.	0.6	47
26	The ABCD database: a repository for chemically defined antibodies. Nucleic Acids Research, 2020, 48, D261-D264.	6.5	46
27	Localization of the Rh50-like protein to the contractile vacuole in Dictyostelium. Immunogenetics, 2001, 52, 284-288.	1.2	45
28	Intracellular killing of bacteria: is <i>Dictyostelium</i> a model macrophage or an alien?. Cellular Microbiology, 2014, 16, 816-823.	1.1	45
29	TM9SF4 is required for <i>Drosophila</i> cellular immunity via cell adhesion and phagocytosis. Journal of Cell Science, 2008, 121, 3325-3334.	1.2	44
30	STIM1L traps and gates Orai1 channels without remodeling the cortical ER. Journal of Cell Science, 2015, 128, 1568-79.	1.2	44
31	Use of in vivo biotinylated GST fusion proteins to select recombinant antibodies. ALTEX: Alternatives To Animal Experimentation, 2014, 31, 37-42.	0.9	43
32	Preparation of genomic DNA from <i>Dictyostelium discoideum</i> for PCR analysis. BioTechniques, 2004, 36, 574-575.	0.8	42
33	A microfluidic cell-trapping device for single-cell tracking of host-microbe interactions. Lab on A Chip, 2016, 16, 3276-3285.	3.1	42
34	Mucolipin controls lysosome exocytosis in <i>Dictyostelium</i> . Journal of Cell Science, 2012, 125, 2315-22.	1.2	41
35	Establishment and Validation of Whole-Cell Based Fluorescence Assays to Identify Anti-Mycobacterial Compounds Using the <i>Acanthamoeba castellanii</i> - <i>Mycobacterium marinum</i> Host-Pathogen System. PLoS ONE, 2014, 9, e87834.	1.1	41
36	Vps13F links bacterial recognition and intracellular killing in <i>Dictyostelium</i> . Cellular Microbiology, 2017, 19, e12722.	1.1	39

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37	Two members of the beige/CHS (BEACH) family are involved at different stages in the organization of the endocytic pathway in <i>Dictyostelium</i> . <i>Journal of Cell Science</i> , 2002, 115, 737-744.	1.2	39
38	Involvement of Sib Proteins in the Regulation of Cellular Adhesion in <i>Dictyostelium discoideum</i> . <i>Eukaryotic Cell</i> , 2008, 7, 1600-1605.	3.4	33
39	Exploring Anti-Bacterial Compounds against Intracellular Legionella. <i>PLoS ONE</i> , 2013, 8, e74813.	1.1	31
40	Two members of the beige/CHS (BEACH) family are involved at different stages in the organization of the endocytic pathway in <i>Dictyostelium</i> . <i>Journal of Cell Science</i> , 2002, 115, 737-44.	1.2	31
41	Control of Cellular Physiology by TM9 Proteins in Yeast and <i>Dictyostelium</i> . <i>Journal of Biological Chemistry</i> , 2008, 283, 6764-6772.	1.6	29
42	Effect of Starvation on the Endocytic Pathway in <i>Dictyostelium</i> Cells. <i>Eukaryotic Cell</i> , 2010, 9, 387-392.	3.4	29
43	A Role for Adaptor Protein-3 Complex in the Organization of the Endocytic Pathway in <i>Dictyostelium</i> . <i>Traffic</i> , 2006, 7, 1528-1538.	1.3	28
44	TM9/Phg1 and SadA proteins control surface expression and stability of SibA adhesion molecules in <i>Dictyostelium</i> . <i>Molecular Biology of the Cell</i> , 2012, 23, 679-686.	0.9	28
45	Role of PKD2 in Rheotaxis in <i>Dictyostelium</i> . <i>PLoS ONE</i> , 2014, 9, e88682.	1.1	28
46	Genome sequencing and functional characterization of the non-pathogenic <i>Klebsiella pneumoniae</i> KpGe bacteria. <i>Microbes and Infection</i> , 2018, 20, 293-301.	1.0	28
47	Transmembrane domains control exclusion of membrane proteins from clathrin-coated pits. <i>Journal of Cell Science</i> , 2010, 123, 3329-3335.	1.2	27
48	Phg1/TM9 Proteins Control Intracellular Killing of Bacteria by Determining Cellular Levels of the Kil1 Sulfotransferase in <i>Dictyostelium</i> . <i>PLoS ONE</i> , 2013, 8, e53259.	1.1	26
49	Inhibitors of <i>Mycobacterium marinum</i> virulence identified in a <i>Dictyostelium discoideum</i> host model. <i>PLoS ONE</i> , 2017, 12, e0181121.	1.1	26
50	What can <i>Dictyostelium</i> bring to the study of <i>Pseudomonas</i> infections?. <i>Seminars in Cell and Developmental Biology</i> , 2011, 22, 77-81.	2.3	24
51	Two distinct sensing pathways allow recognition of <i>Klebsiella pneumoniae</i> by <i>Dictyostelium</i> amoebae. <i>Cellular Microbiology</i> , 2014, 16, 311-323.	1.1	24
52	Altered Composition and Secretion of Lysosome-Derived Compartments in <i>Dictyostelium</i> Mutant Cells. <i>Traffic</i> , 2008, 9, 588-596.	1.3	22
53	QsrO a Novel Regulator of Quorum-Sensing and Virulence in <i>Pseudomonas aeruginosa</i> . <i>PLoS ONE</i> , 2014, 9, e87814.	1.1	21
54	<i>Dictyostelium discoideum</i> transformation by oscillating electric field electroporation. <i>BioTechniques</i> , 2003, 35, 78-83.	0.8	20

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55	TM9 family proteins control surface targeting of glycine-rich transmembrane domains. <i>Journal of Cell Science</i> , 2015, 128, 2269-2277.	1.2	20
56	LrrkA, a kinase with leucine-rich repeats, links folate sensing with Kil2 activity and intracellular killing. <i>Cellular Microbiology</i> , 2020, 22, e13129.	1.1	16
57	Functions of the <i>Dictyostelium</i> LIMP-2/CD36 homologues in bacteria uptake, phagolysosome biogenesis and host cell defence. <i>Journal of Cell Science</i> , 2018, 131, .	1.2	14
58	Recombinant Antibodies for Academia: A Practical Approach. <i>Chimia</i> , 2016, 70, 893.	0.3	11
59	The Saposin-Like Protein AplD Displays Pore-Forming Activity and Participates in Defense Against Bacterial Infection During a Multicellular Stage of <i>Dictyostelium discoideum</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 73.	1.8	11
60	Transcriptional Responses of <i>Dictyostelium discoideum</i> Exposed to Different Classes of Bacteria. <i>Frontiers in Microbiology</i> , 2020, 11, 410.	1.5	11
61	Identification of Anti-Mycobacterium and Anti-Legionella Compounds With Potential Distinctive Structural Scaffolds From an HD-PBL Using Phenotypic Screens in Amoebae Host Models. <i>Frontiers in Microbiology</i> , 2020, 11, 266.	1.5	8
62	The multifarious lysozyme arsenal of <i>Dictyostelium discoideum</i> . <i>Developmental and Comparative Immunology</i> , 2020, 107, 103645.	1.0	8
63	Immunofluorescence labeling of cell surface antigens in <i>Dictyostelium</i> . <i>BMC Research Notes</i> , 2013, 6, 317.	0.6	6
64	TM9SF4 levels determine sorting of transmembrane domains in the early secretory pathway. <i>Journal of Cell Science</i> , 2018, 131, .	1.2	6
65	How Phagocytic Cells Kill Different Bacteria: a Quantitative Analysis Using <i>Dictyostelium discoideum</i> . <i>MBio</i> , 2021, 12, .	1.8	6
66	Intracellular targeting of Cisd2/Miner1 to the endoplasmic reticulum. <i>BMC Molecular and Cell Biology</i> , 2021, 22, 48.	1.0	6
67	Role of SpdA in Cell Spreading and Phagocytosis in <i>Dictyostelium</i> . <i>PLoS ONE</i> , 2016, 11, e0160376.	1.1	6
68	Pycnosomes: Condensed Endosomal Structures Secreted by <i>Dictyostelium</i> Amoebae. <i>PLoS ONE</i> , 2016, 11, e0154875.	1.1	4
69	Role of the HIV-1 envelope transmembrane domain in intracellular sorting. <i>BMC Cell Biology</i> , 2018, 19, 3.	3.0	3
70	A New Family of Bacteriolytic Proteins in <i>Dictyostelium discoideum</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 617310.	1.8	2
71	Role of LrrkA in the Control of Phagocytosis and Cell Motility in <i>Dictyostelium discoideum</i> . <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 629200.	1.8	2
72	The Fate of Bacteria of the <i>Bacillus cereus</i> Group in the Amoeba Environment. <i>Microbial Ecology</i> , 2021, , 1.	1.4	2

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73	Learning objectives: an epiphany. FEBS Open Bio, 2021, 11, 3189-3192.	1.0	2
74	A recombinant antibody toolbox for Dictyostelium discoideum. BMC Research Notes, 2020, 13, 206.	0.6	1
75	RB250 and RB251 antibodies recognize the human MitoNEET/CISD1 protein by ELISA. Antibody Reports, 2018, 1, e1.	0.0	1