

Pierre Cosson

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

72
papers

4,238
citations

30
h-index

65
g-index

80
ext. papers

4,769
ext. citations

7.6
avg, IF

5.11
L-index

#	Paper	IF	Citations
72	Coatomer is essential for retrieval of dilysine-tagged proteins to the endoplasmic reticulum. <i>Cell</i> , 1994 , 79, 1199-207	56.2	699
71	Coatomer interaction with di-lysine endoplasmic reticulum retention motifs. <i>Science</i> , 1994 , 263, 1629-31	33.3	516
70	Colocalized transmembrane determinants for ER degradation and subunit assembly explain the intracellular fate of TCR chains. <i>Cell</i> , 1990 , 63, 503-13	56.2	249
69	Membrane protein association by potential intramembrane charge pairs. <i>Nature</i> , 1991 , 351, 414-6	50.4	241
68	<i>Pseudomonas aeruginosa</i> virulence analyzed in a <i>Dictyostelium discoideum</i> host system. <i>Journal of Bacteriology</i> , 2002 , 184, 3027-33	3.5	217
67	Eat, kill or die: when amoeba meets bacteria. <i>Current Opinion in Microbiology</i> , 2008 , 11, 271-6	7.9	174
66	Mitofusin-2 independent juxtaposition of endoplasmic reticulum and mitochondria: an ultrastructural study. <i>PLoS ONE</i> , 2012 , 7, e46293	3.7	168
65	From the Cover: 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, 19358-62	11.5	166
64	Phg1p is a nine-transmembrane protein superfamily member involved in dictyostelium adhesion and phagocytosis. <i>Journal of Biological Chemistry</i> , 2000 , 275, 34287-92	5.4	152
63	Specific host genes required for the killing of <i>Klebsiella</i> bacteria by phagocytes. <i>Cellular Microbiology</i> , 2006 , 8, 139-48	3.9	100
62	Membrane sorting in the endocytic and phagocytic pathway of <i>Dictyostelium discoideum</i> . <i>European Journal of Cell Biology</i> , 2001 , 80, 754-64	6.1	82
61	An adhesion molecule in free-living <i>Dictyostelium</i> amoebae with integrin beta features. <i>EMBO Reports</i> , 2006 , 7, 617-21	6.5	80
60	<i>Dictyostelium discoideum</i> : a model host to measure bacterial virulence. <i>Nature Protocols</i> , 2009 , 4, 25-30	18.8	71
59	<i>Pseudomonas aeruginosa</i> virulence genes identified in a <i>Dictyostelium</i> host model. <i>Cellular Microbiology</i> , 2008 , 10, 729-40	3.9	68
58	Selective membrane exclusion in phagocytic and macropinocytic cups. <i>Journal of Cell Science</i> , 2006 , 119, 4079-87	5.3	63
57	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, 12831-4	11.5	59
56	Targeting to the endoplasmic reticulum in yeast cells by determinants present in transmembrane domains. <i>Journal of Biological Chemistry</i> , 1998 , 273, 33273-8	5.4	56

55	Phg2, a kinase involved in adhesion and focal site modeling in Dictyostelium. <i>Molecular Biology of the Cell</i> , 2004 , 15, 3915-25	3.5	51
54	Alternative host model to evaluate <i>Aeromonas</i> virulence. <i>Applied and Environmental Microbiology</i> , 2007 , 73, 5657-9	4.8	42
53	Anchors aweigh: protein localization and transport mediated by transmembrane domains. <i>Trends in Cell Biology</i> , 2013 , 23, 511-7	18.3	41
52	A measure of endosomal pH by flow cytometry in Dictyostelium. <i>BMC Research Notes</i> , 2009 , 2, 7	2.3	41
51	Synergistic control of cellular adhesion by transmembrane 9 proteins. <i>Molecular Biology of the Cell</i> , 2003 , 14, 2890-9	3.5	41
50	A LYST/beige homolog is involved in biogenesis of Dictyostelium secretory lysosomes. <i>Journal of Cell Science</i> , 2007 , 120, 2338-43	5.3	40
49	Role of magnesium and a phagosomal P-type ATPase in intracellular bacterial killing. <i>Cellular Microbiology</i> , 2011 , 13, 246-58	3.9	39
48	Localization of the Rh50-like protein to the contractile vacuole in Dictyostelium. <i>Immunogenetics</i> , 2001 , 52, 284-8	3.2	39
47	TM9SF4 is required for Drosophila cellular immunity via cell adhesion and phagocytosis. <i>Journal of Cell Science</i> , 2008 , 121, 3325-34	5.3	37
46	STIM1L traps and gates Orai1 channels without remodeling the cortical ER. <i>Journal of Cell Science</i> , 2015 , 128, 1568-79	5.3	35
45	Two members of the beige/CHS (BEACH) family are involved at different stages in the organization of the endocytic pathway in Dictyostelium. <i>Journal of Cell Science</i> , 2002 , 115, 737-744	5.3	35
44	Mucolipin controls lysosome exocytosis in Dictyostelium. <i>Journal of Cell Science</i> , 2012 , 125, 2315-22	5.3	33
43	Two members of the beige/CHS (BEACH) family are involved at different stages in the organization of the endocytic pathway in Dictyostelium. <i>Journal of Cell Science</i> , 2002 , 115, 737-44	5.3	31
42	MitoNEET-dependent formation of intermitochondrial junctions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 8277-8282	11.5	30
41	Intracellular killing of bacteria: is Dictyostelium a model macrophage or an alien?. <i>Cellular Microbiology</i> , 2014 , 16, 816-23	3.9	30
40	Preparation of genomic DNA from Dictyostelium discoideum for PCR analysis. <i>BioTechniques</i> , 2004 , 36, 574-5	2.5	30
39	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. <i>PLoS ONE</i> , 2014 , 9, e87834	3.7	28
38	A microfluidic cell-trapping device for single-cell tracking of host-microbe interactions. <i>Lab on a Chip</i> , 2016 , 16, 3276-85	7.2	27

37	Involvement of Sib proteins in the regulation of cellular adhesion in Dictyostelium discoideum. <i>Eukaryotic Cell</i> , 2008 , 7, 1600-5		26
36	A role for adaptor protein-3 complex in the organization of the endocytic pathway in Dictyostelium. <i>Traffic</i> , 2006 , 7, 1528-38	5.7	26
35	Vps13F links bacterial recognition and intracellular killing in Dictyostelium. <i>Cellular Microbiology</i> , 2017 , 19, e12722	3.9	23
34	Control of cellular physiology by TM9 proteins in yeast and Dictyostelium. <i>Journal of Biological Chemistry</i> , 2008 , 283, 6764-72	5.4	23
33	What can Dictyostelium bring to the study of Pseudomonas infections?. <i>Seminars in Cell and Developmental Biology</i> , 2011 , 22, 77-81	7.5	21
32	Altered composition and secretion of lysosome-derived compartments in Dictyostelium AP-3 mutant cells. <i>Traffic</i> , 2008 , 9, 588-96	5.7	21
31	Role of PKD2 in rheotaxis in Dictyostelium. <i>PLoS ONE</i> , 2014 , 9, e88682	3.7	20
30	Transmembrane domains control exclusion of membrane proteins from clathrin-coated pits. <i>Journal of Cell Science</i> , 2010 , 123, 3329-35	5.3	20
29	Effect of starvation on the endocytic pathway in Dictyostelium cells. <i>Eukaryotic Cell</i> , 2010 , 9, 387-92		20
28	TM9/Phg1 and SadA proteins control surface expression and stability of SibA adhesion molecules in Dictyostelium. <i>Molecular Biology of the Cell</i> , 2012 , 23, 679-86	3.5	20
27	Phg1/TM9 proteins control intracellular killing of bacteria by determining cellular levels of the Kil1 sulfotransferase in Dictyostelium. <i>PLoS ONE</i> , 2013 , 8, e53259	3.7	20
26	Dictyostelium discoideum transformation by oscillating electric field electroporation. <i>BioTechniques</i> , 2003 , 35, 78-80, 82-3	2.5	19
25	Exploring anti-bacterial compounds against intracellular Legionella. <i>PLoS ONE</i> , 2013 , 8, e74813	3.7	19
24	Two distinct sensing pathways allow recognition of Klebsiella pneumoniae by Dictyostelium amoebae. <i>Cellular Microbiology</i> , 2014 , 16, 311-23	3.9	18
23	QsrO a novel regulator of quorum-sensing and virulence in Pseudomonas aeruginosa. <i>PLoS ONE</i> , 2014 , 9, e87814	3.7	15
22	The ABCD database: a repository for chemically defined antibodies. <i>Nucleic Acids Research</i> , 2020 , 48, D261-D264	20.1	15
21	TM9 family proteins control surface targeting of glycine-rich transmembrane domains. <i>Journal of Cell Science</i> , 2015 , 128, 2269-77	5.3	13
20	Genome sequencing and functional characterization of the non-pathogenic Klebsiella pneumoniae KpGe bacteria. <i>Microbes and Infection</i> , 2018 , 20, 293-301	9.3	11

19	Inhibitors of Mycobacterium marinum virulence identified in a Dictyostelium discoideum host model. <i>PLoS ONE</i> , 2017 , 12, e0181121	3-7	9
18	Functions of the LIMP-2 and CD36 homologues in bacteria uptake, phagolysosome biogenesis and host cell defence. <i>Journal of Cell Science</i> , 2018 , 131,	5-3	8
17	Use of in vivo biotinylated GST fusion proteins to select recombinant antibodies. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2014 , 31, 37-42	4-3	8
16	LrrkA, a kinase with leucine-rich repeats, links folate sensing with Kil2 activity and intracellular killing. <i>Cellular Microbiology</i> , 2020 , 22, e13129	3-9	6
15	Recombinant Antibodies for Academia: A Practical Approach. <i>Chimia</i> , 2016 , 70, 893-897	1-3	6
14	Transcriptional Responses of Exposed to Different Classes of Bacteria. <i>Frontiers in Microbiology</i> , 2020 , 11, 410	5-7	5
13	The multifarious lysozyme arsenal of Dictyostelium discoideum. <i>Developmental and Comparative Immunology</i> , 2020 , 107, 103645	3-2	5
12	Immunofluorescence labeling of cell surface antigens in Dictyostelium. <i>BMC Research Notes</i> , 2013 , 6, 317	2-3	5
11	Role of SpdA in Cell Spreading and Phagocytosis in Dictyostelium. <i>PLoS ONE</i> , 2016 , 11, e0160376	3-7	5
10	Identification of Anti- and Anti- 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	5-7	4
9	The Saposin-Like Protein AplD Displays Pore-Forming Activity and Participates in Defense Against Bacterial Infection During a Multicellular Stage of. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018 , 8, 73	5-9	4
8	Role of the HIV-1 envelope transmembrane domain in intracellular sorting. <i>BMC Cell Biology</i> , 2018 , 19, 3		3
7	Time-resolved RNA-seq profiling of the infection of Dictyostelium discoideum by Mycobacterium marinum reveals an integrated host response to damage and stress		3
6	Pycnosomes: Condensed Endosomal Structures Secreted by Dictyostelium Amoebae. <i>PLoS ONE</i> , 2016 , 11, e0154875	3-7	3
5	A New Family of Bacteriolytic Proteins in. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020 , 10, 6173159		0
4	Role of LrrkA in the Control of Phagocytosis and Cell Motility in. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 629200	5-7	0
3	The Fate of Bacteria of the Bacillus cereus Group in the Amoeba Environment. <i>Microbial Ecology</i> , 2021 , 1	4-4	0
2	Intracellular targeting of Cisd2/Miner1 to the endoplasmic reticulum. <i>BMC Molecular and Cell Biology</i> , 2021 , 22, 48	2-7	0

1 A recombinant antibody toolbox for *Dictyostelium discoideum*. *BMC Research Notes*, **2020**, 13, 206 2.3