

Thierry Soldati

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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.

125
papers

9,566
citations

48
h-index

97
g-index

174
ext. papers

11,398
ext. citations

6.4
avg, IF

5.78
L-index

#	Paper	IF	Citations
125	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012 , 8, 445-544.	14.2	2783
124	Guidelines for the use and interpretation of assays for monitoring autophagy (4th edition). <i>Autophagy</i> , 2021 , 17, 1-382	10.2	440
123	Reactive oxygen species and mitochondria: A nexus of cellular homeostasis. <i>Redox Biology</i> , 2015 , 6, 472-485	4.5	414
122	Powering membrane traffic in endocytosis and recycling. <i>Nature Reviews Molecular Cell Biology</i> , 2006 , 7, 897-908	48.7	280
121	Lysosome biogenesis requires Rab9 function and receptor recycling from endosomes to the trans-Golgi network. <i>Journal of Cell Biology</i> , 1994 , 125, 573-82	7.3	264
120	Ca ²⁺ -triggered peptide secretion in single cells imaged with green fluorescent protein and evanescent-wave microscopy. <i>Neuron</i> , 1997 , 18, 857-63	13.9	213
119	Rab GDP dissociation inhibitor: putting rab GTPases in the right place. <i>Journal of Biological Chemistry</i> , 1995 , 270, 17057-9	5.4	190
118	Role of actin cortex in the subplasmalemmal transport of secretory granules in PC-12 cells. <i>Biophysical Journal</i> , 2000 , 78, 2863-77	2.9	187
117	European contribution to the study of ROS: A summary of the findings and prospects for the future from the COST action BM1203 (EU-ROS). <i>Redox Biology</i> , 2017 , 13, 94-162	11.3	185
116	Toxoplasma gondii myosin A and its light chain: a fast, single-headed, plus-end-directed motor. <i>EMBO Journal</i> , 2002 , 21, 2149-58	13	185
115	Membrane targeting of the small GTPase Rab9 is accompanied by nucleotide exchange. <i>Nature</i> , 1994 , 369, 76-8	50.4	182
114	Eat, kill or die: when amoeba meets bacteria. <i>Current Opinion in Microbiology</i> , 2008 , 11, 271-6	7.9	174
113	Open Source Drug Discovery with the Malaria Box Compound Collection for Neglected Diseases and Beyond. <i>PLoS Pathogens</i> , 2016 , 12, e1005763	7.6	167
112	Dissection of amoeboid movement into two mechanically distinct modes. <i>Journal of Cell Science</i> , 2006 , 119, 3833-44	5.3	165
111	Infection by tubercular mycobacteria is spread by nonlytic ejection from their amoeba hosts. <i>Science</i> , 2009 , 323, 1729-33	33.3	164
110	Rab GDI: a solubilizing and recycling factor for rab9 protein. <i>Molecular Biology of the Cell</i> , 1993 , 4, 425-34.	3.5	145
109	Actin polymerization driven by WASH causes V-ATPase retrieval and vesicle neutralization before exocytosis. <i>Journal of Cell Biology</i> , 2011 , 193, 831-9	7.3	129

108	Molecular characterization of the evolution of phagosomes. <i>Molecular Systems Biology</i> , 2010 , 6, 423	12.2	107
107	High-resolution dissection of phagosome maturation reveals distinct membrane trafficking phases. <i>Molecular Biology of the Cell</i> , 2002 , 13, 3508-20	3.5	106
106	Flotillin and RacH modulate the intracellular immunity of Dictyostelium to Mycobacterium marinum infection. <i>Cellular Microbiology</i> , 2007 , 9, 2716-33	3.9	99
105	A dibasic motif in the tail of a class XIV apicomplexan myosin is an essential determinant of plasma membrane localization. <i>Molecular Biology of the Cell</i> , 2000 , 11, 1385-400	3.5	95
104	Dominant negative effect of cytoplasmic actin isoproteins on cardiomyocyte cytoarchitecture and function. <i>Journal of Cell Biology</i> , 1995 , 131, 1759-73	7.3	85
103	Autophagy in Dictyostelium: genes and pathways, cell death and infection. <i>Autophagy</i> , 2010 , 6, 686-701	10.2	83
102	Dual targeting of antioxidant and metabolic enzymes to the mitochondrion and the apicoplast of Toxoplasma gondii. <i>PLoS Pathogens</i> , 2007 , 3, e115	7.6	82
101	Ethane-freezing/methanol-fixation of cell monolayers: a procedure for improved preservation of structure and antigenicity for light and electron microscopies. <i>Journal of Structural Biology</i> , 1998 , 121, 326-42	3.4	81
100	Proteomics fingerprinting of phagosome maturation and evidence for the role of a Galpha during uptake. <i>Molecular and Cellular Proteomics</i> , 2006 , 5, 2228-43	7.6	78
99	Toxoplasma gondii myosins B/C: one gene, two tails, two localizations, and a role in parasite division. <i>Journal of Cell Biology</i> , 2001 , 155, 613-23	7.3	78
98	Mycobacteria and the intraphagosomal environment: take it with a pinch of salt(s)!. <i>Traffic</i> , 2012 , 13, 1042-52	5.7	76
97	A myosin I is involved in membrane recycling from early endosomes. <i>Journal of Cell Biology</i> , 2000 , 150, 1013-26	7.3	74
96	Eat Prey, Live: As a Model for Cell-Autonomous Defenses. <i>Frontiers in Immunology</i> , 2017 , 8, 1906	8.4	70
95	Intracompartamental sorting of essential myosin light chains: molecular dissection and in vivo monitoring by epitope tagging. <i>Cell</i> , 1991 , 66, 277-89	56.2	69
94	Social amoebae trap and kill bacteria by casting DNA nets. <i>Nature Communications</i> , 2016 , 7, 10938	17.4	68
93	Mitochondrial translation in absence of local tRNA aminoacylation and methionyl tRNA Met formylation in Apicomplexa. <i>Molecular Microbiology</i> , 2010 , 76, 706-18	4.1	66
92	Prison break: pathogens strategies to egress from host cells. <i>Microbiology and Molecular Biology Reviews</i> , 2012 , 76, 707-20	13.2	62
91	WASH is required for lysosomal recycling and efficient autophagic and phagocytic digestion. <i>Molecular Biology of the Cell</i> , 2013 , 24, 2714-26	3.5	62

90	Myosin-I nomenclature. <i>Journal of Cell Biology</i> , 2001 , 155, 703-4	7.3	60
89	Rab7 and Rab9 are recruited onto late endosomes by biochemically distinguishable processes. <i>Journal of Biological Chemistry</i> , 1995 , 270, 25541-8	5.4	59
88	Morphology and dynamics of the endocytic pathway in Dictyostelium discoideum. <i>Molecular Biology of the Cell</i> , 2002 , 13, 1390-407	3.5	56
87	Rab-GDI presents functional Rab9 to the intracellular transport machinery and contributes selectivity to Rab9 membrane recruitment. <i>Journal of Biological Chemistry</i> , 1994 , 269, 15427-30	5.4	56
86	WASH drives early recycling from macropinosomes and phagosomes to maintain surface phagocytic receptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E5906-E5915	11.5	53
85	The autophagic machinery ensures nonlytic transmission of mycobacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E687-92	11.5	52
84	Optimized fixation and immunofluorescence staining methods for Dictyostelium cells. <i>Methods in Molecular Biology</i> , 2006 , 346, 327-38	1.4	52
83	The ESCRT and autophagy machineries cooperate to repair ESX-1-dependent damage at the Mycobacterium-containing vacuole but have opposite impact on containing the infection. <i>PLoS Pathogens</i> , 2018 , 14, e1007501	7.6	52
82	Dictyostelium discoideum protein disulfide isomerase, an endoplasmic reticulum resident enzyme lacking a KDEL-type retrieval signal. <i>FEBS Letters</i> , 1997 , 418, 357-62	3.8	51
81	Phosphorylation of chicken brain-type creatine kinase affects a physiologically important kinetic parameter and gives rise to protein microheterogeneity in vivo. <i>FEBS Letters</i> , 1990 , 269, 457-64	3.8	51
80	Lipid droplet dynamics at early stages of Mycobacterium marinum infection in Dictyostelium. <i>Cellular Microbiology</i> , 2015 , 17, 1332-49	3.9	50
79	Autophagy in Dictyostelium: Mechanisms, regulation and disease in a simple biomedical model. <i>Autophagy</i> , 2017 , 13, 24-40	10.2	48
78	Evolution of the ferric reductase domain (FRD) superfamily: modularity, functional diversification, and signature motifs. <i>PLoS ONE</i> , 2013 , 8, e58126	3.7	48
77	Unconventional myosins, actin dynamics and endocytosis: a ménage à trois?. <i>Traffic</i> , 2003 , 4, 358-66	5.7	44
76	Charged solvatochromic dyes as signal transducers in pH independent fluorescent and colorimetric ion selective nanosensors. <i>Analytical Chemistry</i> , 2015 , 87, 9954-9	7.8	43
75	Identification of a novel saturable endoplasmic reticulum localization mechanism mediated by the C-terminus of a Dictyostelium protein disulfide isomerase. <i>Molecular Biology of the Cell</i> , 2000 , 11, 3469-84 ⁵	3.5	41
74	Role of magnesium and a phagosomal P-type ATPase in intracellular bacterial killing. <i>Cellular Microbiology</i> , 2011 , 13, 246-58	3.9	39
73	Mycobacterium marinum Degrades Both Triacylglycerols and Phospholipids from Its Dictyostelium Host to Synthesise Its Own Triacylglycerols and Generate Lipid Inclusions. <i>PLoS Pathogens</i> , 2017 , 13, e1006095	7.6	38

72	Mycobacterium marinum antagonistically induces an autophagic response while repressing the autophagic flux in a TORC1- and ESX-1-dependent manner. <i>PLoS Pathogens</i> , 2017 , 13, e1006344	7.6	36
71	A myosin IK-Abp1-PakB circuit acts as a switch to regulate phagocytosis efficiency. <i>Molecular Biology of the Cell</i> , 2010 , 21, 1505-18	3.5	36
70	Involvement of the AP-1 adaptor complex in early steps of phagocytosis and macropinocytosis. <i>Molecular Biology of the Cell</i> , 2004 , 15, 861-9	3.5	36
69	Breaking fat! How mycobacteria and other intracellular pathogens manipulate host lipid droplets. <i>Biochimie</i> , 2017 , 141, 54-61	4.6	35
68	Dynamin A, Myosin IB and Abp1 couple phagosome maturation to F-actin binding. <i>Traffic</i> , 2012 , 13, 120-30	3.7	34
67	Mucolipin controls lysosome exocytosis in Dictyostelium. <i>Journal of Cell Science</i> , 2012 , 125, 2315-22	5.3	33
66	Rab8a regulates the exocyst-mediated kiss-and-run discharge of the Dictyostelium contractile vacuole. <i>Molecular Biology of the Cell</i> , 2012 , 23, 1267-82	3.5	33
65	A unique chicken B-creatine kinase gene gives rise to two B-creatine kinase isoproteins with distinct N termini by alternative splicing. <i>Journal of Biological Chemistry</i> , 1990 , 265, 11656-66	5.4	30
64	Establishment and validation of whole-cell based fluorescence assays to identify anti-mycobacterial compounds using the Acanthamoeba castellanii-Mycobacterium marinum host-pathogen system. <i>PLoS ONE</i> , 2014 , 9, e87834	3.7	28
63	The tail domain of myosin M catalyses nucleotide exchange on Rac1 GTPases and can induce actin-driven surface protrusions. <i>Traffic</i> , 2000 , 1, 399-410	5.7	27
62	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
61	Quantitative analysis of phagocytosis and phagosome maturation. <i>Methods in Molecular Biology</i> , 2013 , 983, 383-402	1.4	26
60	Alternative ribosomal initiation gives rise to chicken brain-type creatine kinase isoproteins with heterogeneous amino termini. <i>Journal of Biological Chemistry</i> , 1990 , 265, 4498-506	5.4	26
59	Vps13F links bacterial recognition and intracellular killing in Dictyostelium. <i>Cellular Microbiology</i> , 2017 , 19, e12722	3.9	23
58	Setting up and monitoring an infection of Dictyostelium discoideum with mycobacteria. <i>Methods in Molecular Biology</i> , 2013 , 983, 403-17	1.4	23
57	How many is enough? Exploring the myosin repertoire in the model eukaryote Dictyostelium discoideum. <i>Cell Biochemistry and Biophysics</i> , 1999 , 30, 389-411	3.2	23
56	A potentially exhaustive screening strategy reveals two novel divergent myosins in Dictyostelium. <i>Cell Biochemistry and Biophysics</i> , 1999 , 30, 413-35	3.2	23
55	PIKfyve/Fab1 is required for efficient V-ATPase and hydrolase delivery to phagosomes, phagosomal killing, and restriction of Legionella infection. <i>PLoS Pathogens</i> , 2019 , 15, e1007551	7.6	22

54	In Silico Driven Design and Synthesis of Rhodanine Derivatives as Novel Antibacterials Targeting the Enoyl Reductase InhA. <i>Journal of Medicinal Chemistry</i> , 2016 , 59, 10917-10928	8.3	22
53	When Dicty Met Myco, a (Not So) Romantic Story about One Amoeba and Its Intracellular Pathogen. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017 , 7, 529	5.9	21
52	Of Amoebae and Men: Extracellular DNA Traps as an Ancient Cell-Intrinsic Defense Mechanism. <i>Frontiers in Immunology</i> , 2016 , 7, 269	8.4	20
51	Preparation of intact, highly purified phagosomes from Dictyostelium. <i>Methods in Molecular Biology</i> , 2006 , 346, 439-48	1.4	19
50	Exploring anti-bacterial compounds against intracellular Legionella. <i>PLoS ONE</i> , 2013 , 8, e74813	3.7	19
49	Coordinated Ras and Rac Activity Shapes Macropinocytic Cups and Enables Phagocytosis of Geometrically Diverse Bacteria. <i>Current Biology</i> , 2020 , 30, 2912-2926.e5	6.3	18
48	Distinct Mycobacterium marinum phosphatases determine pathogen vacuole phosphoinositide pattern, phagosome maturation, and escape to the cytosol. <i>Cellular Microbiology</i> , 2019 , 21, e13008	3.9	17
47	Antimycobacterial drug discovery using Mycobacteria-infected amoebae identifies anti-infectives and new molecular targets. <i>Scientific Reports</i> , 2018 , 8, 3939	4.9	17
46	Live imaging of Mycobacterium marinum infection in Dictyostelium discoideum. <i>Methods in Molecular Biology</i> , 2015 , 1285, 369-85	1.4	17
45	Methods to Monitor and Quantify Autophagy in the Social Amoeba Dictyostelium discoideum. <i>Cells</i> , 2017 , 6,	7.9	16
44	Conidial Melanin of the Human-Pathogenic Fungus Aspergillus fumigatus Disrupts Cell Autonomous Defenses in Amoebae. <i>MBio</i> , 2020 , 11,	7.8	14
43	Survey on medicinal plants traditionally used in Senegal for the treatment of tuberculosis (TB) and assessment of their antimycobacterial activity. <i>Journal of Ethnopharmacology</i> , 2018 , 216, 71-78	5	12
42	Monitoring time-dependent maturation changes in purified phagosomes from Dictyostelium discoideum. <i>Methods in Molecular Biology</i> , 2008 , 445, 327-37	1.4	12
41	The balance in the delivery of ER components and the vacuolar proton pump to the phagosome depends on myosin I κ in Dictyostelium. <i>Molecular and Cellular Proteomics</i> , 2012 , 11, 886-900	7.6	10
40	Production of reagents and optimization of methods for studying calmodulin-binding proteins. <i>Protein Expression and Purification</i> , 1999 , 15, 24-33	2	10
39	Mycobacterium bovis uses the ESX-1 Type VII secretion system to escape predation by the soil-dwelling amoeba Dictyostelium discoideum. <i>ISME Journal</i> , 2020 , 14, 919-930	11.9	10
38	Localization of all four ZnT zinc transporters in and impact of ZntA and ZntB knockout on bacteria killing. <i>Journal of Cell Science</i> , 2018 , 131,	5.3	10
37	Amoebae-Based Screening Reveals a Novel Family of Compounds Restricting Intracellular Legionella pneumophila. <i>ACS Infectious Diseases</i> , 2015 , 1, 327-38	5.5	9

36	Regulation of aggregate size and pattern by adenosine and caffeine in cellular slime molds. <i>BMC Developmental Biology</i> , 2012 , 12, 5	3.1	9
35	Inhibitors of <i>Mycobacterium marinum</i> virulence identified in a <i>Dictyostelium discoideum</i> host model. <i>PLoS ONE</i> , 2017 , 12, e0181121	3.7	9
34	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
33	Detecting, visualizing and quantitating the generation of reactive oxygen species in an amoeba model system. <i>Journal of Visualized Experiments</i> , 2013 , e50717	1.6	8
32	Reconstitution of Rab9 endosomal targeting and nucleotide exchange using purified Rab9-GDP dissociation inhibitor complexes and endosome-enriched membranes. <i>Methods in Enzymology</i> , 1995 , 257, 253-9	1.7	8
31	Antimycobacterial activity in a single-cell infection assay of ellagitannins from <i>Combretum aculeatum</i> and their bioavailable metabolites. <i>Journal of Ethnopharmacology</i> , 2019 , 238, 111832	5	7
30	Adrenergic antagonists restrict replication of <i>Legionella</i> . <i>Microbiology (United Kingdom)</i> , 2015 , 161, 1392-1406	2.4	7
29	Secreted heme peroxidase from : Insights into catalysis, structure, and biological role. <i>Journal of Biological Chemistry</i> , 2018 , 293, 1330-1345	5.4	6
28	Zn Intoxication of <i>Mycobacterium marinum</i> during <i>Dictyostelium discoideum</i> Infection Is Counteracted by Induction of the Pathogen Zn Exporter CtpC. <i>MBio</i> , 2021 , 12,	7.8	6
27	Transcriptional Responses of Exposed to Different Classes of Bacteria. <i>Frontiers in Microbiology</i> , 2020 , 11, 410	5.7	5
26	<i>Mycobacterium marinum</i> produces distinct mycobactin and carboxymycobactin siderophores to promote growth in broth and phagocytes. <i>Cellular Microbiology</i> , 2020 , 22, e13163	3.9	5
25	Molecular analysis of protein sorting during biogenesis of muscle cytoarchitecture. <i>Symposia of the Society for Experimental Biology</i> , 1992 , 46, 219-35		5
24	The developmental cycle of <i>Dictyostelium discoideum</i> ensures curing of a mycobacterial infection at both cell-autonomous level and by collaborative exclusion		5
23	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
22	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
21	Potassium Sensitive Optical Nanosensors Containing Voltage Sensitive Dyes. <i>Chimia</i> , 2015 , 69, 196-8	1.3	4
20	Unconventional myosins at the crossroad of signal transduction and cytoskeleton remodeling. <i>Protoplasma</i> , 1999 , 209, 28-37	3.4	4
19	Selective membrane recruitment of Rab GTPases. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 1995 , 60, 221-7	3.9	4

18	Dictyostelium EHD associates with Dynamin and participates in phagosome maturation. <i>Journal of Cell Science</i> , 2016 , 129, 2354-67	5.3	4
17	Expression of Rab9 protein in Escherichia coli: purification and isoprenylation in vitro. <i>Methods in Enzymology</i> , 1995 , 257, 15-21	1.7	3
16	Dictyostelium discoideum flotillin homologues are essential for phagocytosis and participate in plasma membrane recycling and lysosome biogenesis		3
15	Time-resolved RNA-seq profiling of the infection of Dictyostelium discoideum by Mycobacterium marinum reveals an integrated host response to damage and stress		3
14	Mycobacterium Marinum 455-467		2
13	Transport from late endosomes to trans-Golgi network in semi-intact cell extracts. <i>Methods in Enzymology</i> , 1992 , 219, 153-9	1.7	2
12	Vacuolins and myosin VII are required for phagocytic uptake and phagosomal membrane recycling in. <i>Journal of Cell Science</i> , 2020 , 133,	5.3	1
11	A brief historical and evolutionary perspective on the origin of cellular microbiology research. <i>Cellular Microbiology</i> , 2019 , 21, e13083	3.9	1
10	Low syndrome-linked endocytic adaptors direct membrane cycling kinetics with OCRL in. <i>Molecular Biology of the Cell</i> , 2019 , 30, 2268-2282	3.5	1
9	Do Class I Myosins Exert Their Functions through Regulation of Actin Dynamics? 39-59		1
8	ESCRT and autophagy cooperate to repair ESX-1-dependent damage to the Mycobacterium-containing vacuole		1
7	PIKfyve/Fab1 is required for efficient V-ATPase and hydrolase delivery to phagosomes, phagosomal killing, and restriction of Legionella infection		1
6	Proteomic characterization of the Mycobacterium marinum-containing vacuole in Dictyostelium discoideum		1
5	First-order agent-based models of emergent behaviour of Dictyostelium discoideum and their inspiration for swarm robotics. <i>Artificial Life and Robotics</i> , 2020 , 25, 643-655	0.6	1
4	Novel Single-Cell and High-Throughput Microscopy Techniques to Monitor Dictyostelium discoideum-Mycobacterium marinum Infection Dynamics. <i>Methods in Molecular Biology</i> , 2021 , 2314, 183-203	1.4	1
3	Conserved mechanisms drive host-lipid access, import, and utilization in Mycobacterium tuberculosis and M. marinum 2022 , 133-161		1
2	Phagosome Proteomes Unite! A Virtual Model of Maturation as a Tool to Study Pathogen-Induced Changes 107-124		
1	Second-order agent-based models of emergent behaviour of Dictyostelium discoideum and their inspiration for swarm robotics. <i>Artificial Life and Robotics</i> , 2020 , 25, 656-665	0.6	

