Thierry Soldati

List of Publications by Year in Descending Order

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	Conserved mechanisms drive host-lipid access, import, and utilization in Mycobacterium tuberculosis and M.´marinum **2022**, 133-161		1
124	Novel Single-Cell and High-Throughput Microscopy Techniques to Monitor Dictyostelium discoideum-Mycobacterium marinum Infection Dynamics. *Methods in Molecular Biology*, **2021**, 2314, 183-203	1.4	1
123	Zn Intoxication of Mycobacterium marinum during Dictyostelium discoideum Infection Is Counteracted by Induction of the Pathogen Zn Exporter CtpC. *MBio*, **2021**, 12,	7.8	6
122	Guidelines for the use and interpretation of assays for monitoring autophagy (4th edition). *Autophagy*, **2021**, 17, 1-382	10.2	440
121	Vacuolins and myosin VII are required for phagocytic uptake and phagosomal membrane recycling in. *Journal of Cell Science*, **2020**, 133,	5.3	1
120	Identification of Anti- and Anti- Compounds With Potential Distinctive Structural Scaffolds From an HD-PBL Using Phenotypic Screens in Amoebae Host Models. *Frontiers in Microbiology*, **2020**, 11, 266	5.7	4
119	Transcriptional Responses of Exposed to Different Classes of Bacteria. *Frontiers in Microbiology*, **2020**, 11, 410	5.7	5
118	Conidial Melanin of the Human-Pathogenic Fungus Aspergillus fumigatus Disrupts Cell Autonomous Defenses in Amoebae. *MBio*, **2020**, 11,	7.8	14
117	Mycobacterium marinum produces distinct mycobactin and carboxymycobactin siderophores to promote growth in broth and phagocytes. *Cellular Microbiology*, **2020**, 22, e13163	3.9	5
116	Mycobacterium bovis uses the ESX-1 Type VII secretion system to escape predation by the soil-dwelling amoeba Dictyostelium discoideum. *ISME Journal*, **2020**, 14, 919-930	11.9	10
115	Coordinated Ras and Rac Activity Shapes Macropinocytic Cups and Enables Phagocytosis of Geometrically Diverse Bacteria. *Current Biology*, **2020**, 30, 2912-2926.e5	6.3	18
114	Second-order agent-based models of emergent behaviour of Dictyostelium discoideum and their inspiration for swarm robotics. *Artificial Life and Robotics*, **2020**, 25, 656-665	0.6	
113	First-order agent-based models of emergent behaviour of Dictyostelium discoideum and their inspiration for swarm robotics. *Artificial Life and Robotics*, **2020**, 25, 643-655	0.6	1
112	Distinct Mycobacterium marinum phosphatases determine pathogen vacuole phosphoinositide pattern, phagosome maturation, and escape to the cytosol. *Cellular Microbiology*, **2019**, 21, e13008	3.9	17
111	Antimycobacterial activity in a single-cell infection assay of ellagitannins from Combretum aculeatum and their bioavailable metabolites. *Journal of Ethnopharmacology*, **2019**, 238, 111832	5	7
110	PIKfyve/Fab1 is required for efficient V-ATPase and hydrolase delivery to phagosomes, phagosomal killing, and restriction of Legionella infection. *PLoS Pathogens*, **2019**, 15, e1007551	7.6	22
109	A brief historical and evolutionary perspective on the origin of cellular microbiology research. *Cellular Microbiology*, **2019**, 21, e13083	3.9	1

108	Lowe syndrome-linked endocytic adaptors direct membrane cycling kinetics with OCRL in. *Molecular Biology of the Cell*, **2019**, 30, 2268-2282	3.5	1
107	Antimycobacterial drug discovery using Mycobacteria-infected amoebae identifies anti-infectives and new molecular targets. *Scientific Reports*, **2018**, 8, 3939	4.9	17
106	Secreted heme peroxidase from : Insights into catalysis, structure, and biological role. *Journal of Biological Chemistry*, **2018**, 293, 1330-1345	5.4	6
105	Survey on medicinal plants traditionally used in Senegal for the treatment of tuberculosis (TB) and assessment of their antimycobacterial activity. *Journal of Ethnopharmacology*, **2018**, 216, 71-78	5	12
104	Functions of the LIMP-2 and CD36 homologues in bacteria uptake, phagolysosome biogenesis and host cell defence. *Journal of Cell Science*, **2018**, 131,	5.3	8
103	The Saposin-Like Protein AplD Displays Pore-Forming Activity and Participates in Defense Against Bacterial Infection During a Multicellular Stage of. *Frontiers in Cellular and Infection Microbiology*, **2018**, 8, 73	5.9	4
102	Localization of all four ZnT zinc transporters in and impact of ZntA and ZntB knockout on bacteria killing. *Journal of Cell Science*, **2018**, 131,	5.3	10
101	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. *PLoS Pathogens*, **2018**, 14, e1007501	7.6	52
100	Vps13F links bacterial recognition and intracellular killing in Dictyostelium. *Cellular Microbiology*, **2017**, 19, e12722	3.9	23
99	European contribution to the study of ROS: A summary of the findings and prospects for the future from the COST action BM1203 (EU-ROS). *Redox Biology*, **2017**, 13, 94-162	11.3	185
98	Breaking fat! How mycobacteria and other intracellular pathogens manipulate host lipid droplets. *Biochimie*, **2017**, 141, 54-61	4.6	35
97	Mycobacterium marinum antagonistically induces an autophagic response while repressing the autophagic flux in a TORC1- and ESX-1-dependent manner. *PLoS Pathogens*, **2017**, 13, e1006344	7.6	36
96	Mycobacterium marinum Degrades Both Triacylglycerols and Phospholipids from Its Dictyostelium Host to Synthesise Its Own Triacylglycerols and Generate Lipid Inclusions. *PLoS Pathogens*, **2017**, 13, e1006095	7.6	38
95	When Dicty Met Myco, a (Not So) Romantic Story about One Amoeba and Its Intracellular Pathogen. *Frontiers in Cellular and Infection Microbiology*, **2017**, 7, 529	5.9	21
94	Eat Prey, Live: As a Model for Cell-Autonomous Defenses. *Frontiers in Immunology*, **2017**, 8, 1906	8.4	70
93	Autophagy in Dictyostelium: Mechanisms, regulation and disease in a simple biomedical model. *Autophagy*, **2017**, 13, 24-40	10.2	48
92	Methods to Monitor and Quantify Autophagy in the Social Amoeba Dictyostelium discoideum. *Cells*, **2017**, 6,	7.9	16
91	Inhibitors of Mycobacterium marinum virulence identified in a Dictyostelium discoideum host model. *PLoS ONE*, **2017**, 12, e0181121	3.7	9

90	WASH drives early recycling from macropinosomes and phagosomes to maintain surface phagocytic receptors. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, E5906-E5915	11.5	53
89	Social amoebae trap and kill bacteria by casting DNA nets. *Nature Communications*, **2016**, 7, 10938	17.4	68
88	In Silico Driven Design and Synthesis of Rhodanine Derivatives as Novel Antibacterials Targeting the Enoyl Reductase InhA. *Journal of Medicinal Chemistry*, **2016**, 59, 10917-10928	8.3	22
87	Of Amoebae and Men: Extracellular DNA Traps as an Ancient Cell-Intrinsic Defense Mechanism. *Frontiers in Immunology*, **2016**, 7, 269	8.4	20
86	Open Source Drug Discovery with the Malaria Box Compound Collection for Neglected Diseases and Beyond. *PLoS Pathogens*, **2016**, 12, e1005763	7.6	167
85	A microfluidic cell-trapping device for single-cell tracking of host-microbe interactions. *Lab on A Chip*, **2016**, 16, 3276-85	7.2	27
84	Dictyostelium EHD associates with Dynamin and participates in phagosome maturation. *Journal of Cell Science*, **2016**, 129, 2354-67	5.3	4
83	Amoebae-Based Screening Reveals a Novel Family of Compounds Restricting Intracellular Legionella pneumophila. *ACS Infectious Diseases*, **2015**, 1, 327-38	5.5	9
82	Lipid droplet dynamics at early stages of Mycobacterium marinum infection in Dictyostelium. *Cellular Microbiology*, **2015**, 17, 1332-49	3.9	50
81	Adrenergic antagonists restrict replication of Legionella. *Microbiology (United Kingdom)*, **2015**, 161, 1392-406	2.9	7
80	Reactive oxygen species and mitochondria: A nexus of cellular homeostasis. *Redox Biology*, **2015**, 6, 472-485	11.3	414
79	Charged solvatochromic dyes as signal transducers in pH independent fluorescent and colorimetric ion selective nanosensors. *Analytical Chemistry*, **2015**, 87, 9954-9	7.8	43
78	Potassium Sensitive Optical Nanosensors Containing Voltage Sensitive Dyes. *Chimia*, **2015**, 69, 196-8	1.3	4
77	The autophagic machinery ensures nonlytic transmission of mycobacteria. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, E687-92	11.5	52
76	Live imaging of Mycobacterium marinum infection in Dictyostelium discoideum. *Methods in Molecular Biology*, **2015**, 1285, 369-85	1.4	17
75	Establishment and validation of whole-cell based fluorescence assays to identify anti-mycobacterial compounds using the Acanthamoeba castellanii-Mycobacterium marinum host-pathogen system. *PLoS ONE*, **2014**, 9, e87834	3.7	28
74	Setting up and monitoring an infection of Dictyostelium discoideum with mycobacteria. *Methods in Molecular Biology*, **2013**, 983, 403-17	1.4	23
73	Quantitative analysis of phagocytosis and phagosome maturation. *Methods in Molecular Biology*, **2013**, 983, 383-402	1.4	26

72	WASH is required for lysosomal recycling and efficient autophagic and phagocytic digestion. *Molecular Biology of the Cell*, **2013**, 24, 2714-26	3.5	62
71	Detecting, visualizing and quantitating the generation of reactive oxygen species in an amoeba model system. *Journal of Visualized Experiments*, **2013**, e50717	1.6	8
70	Evolution of the ferric reductase domain (FRD) superfamily: modularity, functional diversification, and signature motifs. *PLoS ONE*, **2013**, 8, e58126	3.7	48
69	Exploring anti-bacterial compounds against intracellular Legionella. *PLoS ONE*, **2013**, 8, e74813	3.7	19
68	Mycobacteria and the intraphagosomal environment: take it with a pinch of salt(s)!. *Traffic*, **2012**, 13, 1042-52	5.7	76
67	Prison break: pathogens' strategies to egress from host cells. *Microbiology and Molecular Biology Reviews*, **2012**, 76, 707-20	13.2	62
66	Regulation of aggregate size and pattern by adenosine and caffeine in cellular slime molds. *BMC Developmental Biology*, **2012**, 12, 5	3.1	9
65	Guidelines for the use and interpretation of assays for monitoring autophagy. *Autophagy*, **2012**, 8, 445-544	10.2	2783
64	Dynamin A, Myosin IB and Abp1 couple phagosome maturation to F-actin binding. *Traffic*, **2012**, 13, 120-30	5.7	34
63	The balance in the delivery of ER components and the vacuolar proton pump to the phagosome depends on myosin IK in Dictyostelium. *Molecular and Cellular Proteomics*, **2012**, 11, 886-900	7.6	10
62	Mucolipin controls lysosome exocytosis in Dictyostelium. *Journal of Cell Science*, **2012**, 125, 2315-22	5.3	33
61	Rab8a regulates the exocyst-mediated kiss-and-run discharge of the Dictyostelium contractile vacuole. *Molecular Biology of the Cell*, **2012**, 23, 1267-82	3.5	33
60	Role of magnesium and a phagosomal P-type ATPase in intracellular bacterial killing. *Cellular Microbiology*, **2011**, 13, 246-58	3.9	39
59	Actin polymerization driven by WASH causes V-ATPase retrieval and vesicle neutralization before exocytosis. *Journal of Cell Biology*, **2011**, 193, 831-9	7.3	129
58	Mitochondrial translation in absence of local tRNA aminoacylation and methionyl tRNA Met formylation in Apicomplexa. *Molecular Microbiology*, **2010**, 76, 706-18	4.1	66
57	A myosin IK-Abp1-PakB circuit acts as a switch to regulate phagocytosis efficiency. *Molecular Biology of the Cell*, **2010**, 21, 1505-18	3.5	36
56	Autophagy in Dictyostelium: genes and pathways, cell death and infection. *Autophagy*, **2010**, 6, 686-701	10.2	83
55	Molecular characterization of the evolution of phagosomes. *Molecular Systems Biology*, **2010**, 6, 423	12.2	107

54	Infection by tubercular mycobacteria is spread by nonlytic ejection from their amoeba hosts. *Science*, **2009**, 323, 1729-33	33.3	164
53	Eat, kill or die: when amoeba meets bacteria. *Current Opinion in Microbiology*, **2008**, 11, 271-6	7.9	174
52	Monitoring time-dependent maturation changes in purified phagosomes from Dictyostelium discoideum. *Methods in Molecular Biology*, **2008**, 445, 327-37	1.4	12
51	Flotillin and RacH modulate the intracellular immunity of Dictyostelium to Mycobacterium marinum infection. *Cellular Microbiology*, **2007**, 9, 2716-33	3.9	99
50	Dual targeting of antioxidant and metabolic enzymes to the mitochondrion and the apicoplast of Toxoplasma gondii. *PLoS Pathogens*, **2007**, 3, e115	7.6	82
49	Preparation of intact, highly purified phagosomes from Dictyostelium. *Methods in Molecular Biology* , **2006**, 346, 439-48	1.4	19
48	Optimized fixation and immunofluorescence staining methods for Dictyostelium cells. *Methods in Molecular Biology*, **2006**, 346, 327-38	1.4	52
47	Proteomics fingerprinting of phagosome maturation and evidence for the role of a Galpha during uptake. *Molecular and Cellular Proteomics*, **2006**, 5, 2228-43	7.6	78
46	Dissection of amoeboid movement into two mechanically distinct modes. *Journal of Cell Science*, **2006**, 119, 3833-44	5.3	165
45	Powering membrane traffic in endocytosis and recycling. *Nature Reviews Molecular Cell Biology*, **2006**, 7, 897-908	48.7	280
44	Involvement of the AP-1 adaptor complex in early steps of phagocytosis and macropinocytosis. *Molecular Biology of the Cell*, **2004**, 15, 861-9	3.5	36
43	Unconventional myosins, actin dynamics and endocytosis: a m□age □trois?. *Traffic*, **2003**, 4, 358-66	5.7	44
42	Toxoplasma gondii myosin A and its light chain: a fast, single-headed, plus-end-directed motor. *EMBO Journal*, **2002**, 21, 2149-58	13	185
41	Morphology and dynamics of the endocytic pathway in Dictyostelium discoideum. *Molecular Biology of the Cell*, **2002**, 13, 1390-407	3.5	56
40	High-resolution dissection of phagosome maturation reveals distinct membrane trafficking phases. *Molecular Biology of the Cell*, **2002**, 13, 3508-20	3.5	106
39	Myosin-I nomenclature. *Journal of Cell Biology*, **2001**, 155, 703-4	7.3	60
38	Toxoplasma gondii myosins B/C: one gene, two tails, two localizations, and a role in parasite division. *Journal of Cell Biology*, **2001**, 155, 613-23	7.3	78
37	The tail domain of myosin M catalyses nucleotide exchange on Rac1 GTPases and can induce actin-driven surface protrusions. *Traffic*, **2000**, 1, 399-410	5.7	27

36	Identification of a novel saturable endoplasmic reticulum localization mechanism mediated by the C-terminus of a Dictyostelium protein disulfide isomerase. *Molecular Biology of the Cell*, **2000**, 11, 3469-84	3.5	41
35	A dibasic motif in the tail of a class XIV apicomplexan myosin is an essential determinant of plasma membrane localization. *Molecular Biology of the Cell*, **2000**, 11, 1385-400	3.5	95
34	A myosin I is involved in membrane recycling from early endosomes. *Journal of Cell Biology*, **2000**, 150, 1013-26	7.3	74
33	Role of actin cortex in the subplasmalemmal transport of secretory granules in PC-12 cells. *Biophysical Journal*, **2000**, 78, 2863-77	2.9	187
32	How many is enough? Exploring the myosin repertoire in the model eukaryote Dictyostelium discoideum. *Cell Biochemistry and Biophysics*, **1999**, 30, 389-411	3.2	23
31	A potentially exhaustive screening strategy reveals two novel divergent myosins in Dictyostelium. *Cell Biochemistry and Biophysics*, **1999**, 30, 413-35	3.2	23
30	Unconventional myosins at the crossroad of signal transduction and cytoskeleton remodeling. *Protoplasma*, **1999**, 209, 28-37	3.4	4
29	Production of reagents and optimization of methods for studying calmodulin-binding proteins. *Protein Expression and Purification*, **1999**, 15, 24-33	2	10
28	Ethane-freezing/methanol-fixation of cell monolayers: a procedure for improved preservation of structure and antigenicity for light and electron microscopies. *Journal of Structural Biology*, **1998**, 121, 326-42	3.4	81
27	Ca2+-triggered peptide secretion in single cells imaged with green fluorescent protein and evanescent-wave microscopy. *Neuron*, **1997**, 18, 857-63	13.9	213
26	Dictyostelium discoideum protein disulfide isomerase, an endoplasmic reticulum resident enzyme lacking a KDEL-type retrieval signal. *FEBS Letters*, **1997**, 418, 357-62	3.8	51
25	Rab7 and Rab9 are recruited onto late endosomes by biochemically distinguishable processes. *Journal of Biological Chemistry*, **1995**, 270, 25541-8	5.4	59
24	Dominant negative effect of cytoplasmic actin isoproteins on cardiomyocyte cytoarchitecture and function. *Journal of Cell Biology*, **1995**, 131, 1759-73	7.3	85
23	Reconstitution of Rab9 endosomal targeting and nucleotide exchange using purified Rab9-GDP dissociation inhibitor complexes and endosome-enriched membranes. *Methods in Enzymology*, **1995** , 257, 253-9	1.7	8
22	Rab GDP dissociation inhibitor: putting rab GTPases in the right place. *Journal of Biological Chemistry*, **1995**, 270, 17057-9	5.4	190
21	Expression of Rab9 protein in Escherichia coli: purification and isoprenylation in vitro. *Methods in Enzymology*, **1995**, 257, 15-21	1.7	3
20	Selective membrane recruitment of Rab GTPases. *Cold Spring Harbor Symposia on Quantitative Biology*, **1995**, 60, 221-7	3.9	4
19	Lysosome biogenesis requires Rab9 function and receptor recycling from endosomes to the trans-Golgi network. *Journal of Cell Biology*, **1994**, 125, 573-82	7.3	264

18	Membrane targeting of the small GTPase Rab9 is accompanied by nucleotide exchange. *Nature*, **1994**, 369, 76-8	50.4	182
17	Rab-GDI presents functional Rab9 to the intracellular transport machinery and contributes selectivity to Rab9 membrane recruitment. *Journal of Biological Chemistry*, **1994**, 269, 15427-30	5.4	56
16	Rab GDI: a solubilizing and recycling factor for rab9 protein. *Molecular Biology of the Cell*, **1993**, 4, 425-34	3.5	145
15	Transport from late endosomes to trans-Golgi network in semiintact cell extracts. *Methods in Enzymology*, **1992**, 219, 153-9	1.7	2
14	Molecular analysis of protein sorting during biogenesis of muscle cytoarchitecture. *Symposia of the Society for Experimental Biology*, **1992**, 46, 219-35		5
13	Intracompartmental sorting of essential myosin light chains: molecular dissection and in vivo monitoring by epitope tagging. *Cell*, **1991**, 66, 277-89	56.2	69
12	Phosphorylation of chicken brain-type creatine kinase affects a physiologically important kinetic parameter and gives rise to protein microheterogeneity in vivo. *FEBS Letters*, **1990**, 269, 457-64	3.8	51
11	Alternative ribosomal initiation gives rise to chicken brain-type creatine kinase isoproteins with heterogeneous amino termini. *Journal of Biological Chemistry*, **1990**, 265, 4498-506	5.4	26
10	A unique chicken B-creatine kinase gene gives rise to two B-creatine kinase isoproteins with distinct N termini by alternative splicing. *Journal of Biological Chemistry*, **1990**, 265, 11656-66	5.4	30
9	Mycobacterium Marinum455-467		2
8	Phagosome Proteomes Unite! A Virtual Model of Maturation as a Tool to Study Pathogen-Induced Changes107-124		
7	Do Class I Myosins Exert Their Functions through Regulation of Actin Dynamics?39-59		1
6	ESCRT and autophagy cooperate to repair ESX-1-dependent damage to the Mycobacterium-containing vacuole		1
5	PIKfyve/Fab1 is required for efficient V-ATPase and hydrolase delivery to phagosomes, phagosomal killing, and restriction ofLegionellainfection		1
4	Dictyostelium discoideumflotillin homologues are essential for phagocytosis and participate in plasma membrane recycling and lysosome biogenesis		3
3	The developmental cycle ofDictyostelium discoideumensures curing of a mycobacterial infection at both cell-autonomous level and by collaborative exclusion		5
2	Time-resolved RNA-seq profiling of the infection of Dictyostelium discoideum by Mycobacterium marinum reveals an integrated host response to damage and stress		3
1	Proteomic characterization of the Mycobacterium marinum-containing vacuole in Dictyostelium discoideum		1