

Valentin JaumouillÃ©

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

2,080
citations

516710

16
h-index

713466

21
g-index

26
all docs

26
docs citations

26
times ranked

3895
citing authors

#	ARTICLE	IF	CITATIONS
1	Measurement of Minute Cellular Forces by Traction Force Microscopy. <i>Methods in Molecular Biology</i> , 2022, 2440, 125-139.	0.9	0
2	A B-cell actomyosin arc network couples integrin co-stimulation to mechanical force-dependent immune synapse formation. <i>ELife</i> , 2022, 11, .	6.0	13
3	Editorial: Phagocytes in Immunity: Linking Material Internalization to Immune Responses and Therapeutic Strategies. <i>Frontiers in Immunology</i> , 2021, 12, 772256.	4.8	0
4	Physical Constraints and Forces Involved in Phagocytosis. <i>Frontiers in Immunology</i> , 2020, 11, 1097.	4.8	81
5	Inactivation of Rho GTPases by <i>Burkholderia cenocepacia</i> Induces a WASH-Mediated Actin Polymerization that Delays Phagosome Maturation. <i>Cell Reports</i> , 2020, 31, 107721.	6.4	20
6	Coupling of $\beta 2$ integrins to actin by a mechanosensitive molecular clutch drives complement receptor-mediated phagocytosis. <i>Nature Cell Biology</i> , 2019, 21, 1357-1369.	10.3	98
7	Molecular Mechanisms of Phagosome Formation. <i>Microbiology Spectrum</i> , 2016, 4, .	3.0	25
8	Simultaneous multiview capture and fusion improves spatial resolution in wide-field and light-sheet microscopy. <i>Optica</i> , 2016, 3, 897.	9.3	53
9	Chemokine Signaling Enhances CD36 Responsiveness toward Oxidized Low-Density Lipoproteins and Accelerates Foam Cell Formation. <i>Cell Reports</i> , 2016, 14, 2859-2871.	6.4	26
10	The position of lysosomes within the cell determines their luminal pH. <i>Journal of Cell Biology</i> , 2016, 212, 677-692.	5.2	438
11	Toll-like receptor ligands sensitize B-cell receptor signalling by reducing actin-dependent spatial confinement of the receptor. <i>Nature Communications</i> , 2015, 6, 6168.	12.8	79
12	Cytoskeletal confinement of CX ₃ CL1 limits its susceptibility to proteolytic cleavage by ADAM10. <i>Molecular Biology of the Cell</i> , 2014, 25, 3884-3899.	2.1	22
13	Actin Cytoskeleton Reorganization by Syk Regulates Fc γ 3 Receptor Responsiveness by Increasing Its Lateral Mobility and Clustering. <i>Developmental Cell</i> , 2014, 29, 534-546.	7.0	103
14	The R740S mutation in the V-ATPase $\alpha 3$ subunit increases lysosomal pH, impairs NFATc1 translocation, and decreases in vitro osteoclastogenesis. <i>Journal of Bone and Mineral Research</i> , 2013, 28, 108-118.	2.8	19
15	The Cell Biology of Phagocytosis. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2012, 7, 61-98.	22.4	791
16	<i>Burkholderia cenocepacia</i> disrupts host cell actin cytoskeleton by inactivating Rac and Cdc42. <i>Cellular Microbiology</i> , 2012, 14, 239-254.	2.1	32
17	A Weak Base-Generating System Suitable for Selective Manipulation of Lysosomal pH. <i>Traffic</i> , 2011, 12, 1490-1500.	2.7	10
18	Membrane surface charge dictates the structure and function of the epithelial Na ⁺ /H ⁺ exchanger. <i>EMBO Journal</i> , 2011, 30, 679-691.	7.8	53

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19	Receptor mobility, the cytoskeleton, and particle binding during phagocytosis. <i>Current Opinion in Cell Biology</i> , 2011, 23, 22-29.	5.4	69
20	The calmodulin antagonist W-7 inhibits the epithelial Na ⁺ /H ⁺ exchanger via modulating membrane surface potential. <i>Channels</i> , 2011, 5, 308-313.	2.8	5
21	Cytoplasmic targeting of IpaC to the bacterial pole directs polar type III secretion in <i>Shigella</i> . <i>EMBO Journal</i> , 2008, 27, 447-457.	7.8	56
22	Crl Activates Transcription Initiation of RpoS-Regulated Genes Involved in the Multicellular Behavior of <i>Salmonella enterica</i> Serovar Typhimurium. <i>Journal of Bacteriology</i> , 2006, 188, 3983-3994.	2.2	78
23	Molecular Mechanisms of Phagosome Formation. , 0, , 507-526.		3