

# Guillaume Dumenil

## List of Publications by Year in descending order

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49  
papers

3,126  
citations

218677

26  
h-index

233421

45  
g-index

55  
all docs

55  
docs citations

55  
times ranked

3391  
citing authors

#	ARTICLE	IF	CITATIONS
1	TrackMate 7: integrating state-of-the-art segmentation algorithms into tracking pipelines. <i>Nature Methods</i> , 2022, 19, 829-832.	19.0	269
2	Advanced <i>In Vivo</i> Cross-Linking Mass Spectrometry Platform to Characterize Proteome-Wide Protein Interactions. <i>Analytical Chemistry</i> , 2021, 93, 4166-4174.	6.5	22
3	Colonization of dermal arterioles by <i>Neisseria meningitidis</i> provides a safe haven from neutrophils. <i>Nature Communications</i> , 2021, 12, 4547.	12.8	6
4	SARS-CoV-2 infection induces the dedifferentiation of multiciliated cells and impairs mucociliary clearance. <i>Nature Communications</i> , 2021, 12, 4354.	12.8	154
5	The Many Faces of Bacterium-Endothelium Interactions during Systemic Infections. , 2020, , 69-81.		0
6	Type IV Pili as a Therapeutic Target. <i>Trends in Microbiology</i> , 2019, 27, 658-661.	7.7	19
7	The Many Faces of Bacterium-Endothelium Interactions during Systemic Infections. <i>Microbiology Spectrum</i> , 2019, 7, .	3.0	5
8	Inhibitors of the <i>Neisseria meningitidis</i> PilF ATPase provoke type IV pilus disassembly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 8481-8486.	7.1	29
9	Deep mutational scanning of the <i>Neisseria meningitidis</i> major pilin reveals the importance of pilus tip-mediated adhesion. <i>EMBO Journal</i> , 2019, 38, e102145.	7.8	12
10	Adhesion to nanofibers drives cell membrane remodeling through one-dimensional wetting. <i>Nature Communications</i> , 2018, 9, 4450.	12.8	24
11	Intermittent Pili-Mediated Forces Fluidize <i>Neisseria meningitidis</i> Aggregates Promoting Vascular Colonization. <i>Cell</i> , 2018, 174, 143-155.e16.	28.9	78
12	Microbial pathogenesis meets biomechanics. <i>Current Opinion in Cell Biology</i> , 2016, 38, 31-37.	5.4	11
13	<i>Neisseria meningitidis</i> Type IV Pili Composed of Sequence Invariable Pilins Are Masked by Multisite Glycosylation. <i>PLoS Pathogens</i> , 2015, 11, e1005162.	4.7	55
14	The number of <i>Neisseria meningitidis</i> type IV pili determines host cell interaction. <i>EMBO Journal</i> , 2014, 33, 1767-1783.	7.8	58
15	Complete posttranslational modification mapping of pathogenic <i>Neisseria meningitidis</i> pilins requires top-down mass spectrometry. <i>Proteomics</i> , 2014, 14, 1141-1151.	2.2	27
16	Early sequence of events triggered by the interaction of <i>Neisseria meningitidis</i> with endothelial cells. <i>Cellular Microbiology</i> , 2014, 16, 878-895.	2.1	24
17	Humanized Mouse Model to Study Bacterial Infections Targeting the Microvasculature. <i>Journal of Visualized Experiments</i> , 2014, , .	0.3	13
18	Leukemia-initiating cell activity requires calcineurin in T-cell acute lymphoblastic leukemia. <i>Leukemia</i> , 2013, 27, 2289-2300.	7.2	48

#	ARTICLE	IF	CITATIONS
19	Epithelial control of the human pDC response to extracellular bacteria. <i>European Journal of Immunology</i> , 2013, 43, 1264-1273.	2.9	36
20	A humanized model of microvascular infection. <i>Future Microbiology</i> , 2013, 8, 567-569.	2.0	8
21	Assessment of the Interplay between Blood and Skin Vascular Abnormalities in Adult Purpura Fulminans. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013, 188, 684-692.	5.6	35
22	Adhesion of <i>Neisseria meningitidis</i> to Dermal Vessels Leads to Local Vascular Damage and Purpura in a Humanized Mouse Model. <i>PLoS Pathogens</i> , 2013, 9, e1003139.	4.7	85
23	A combined mass spectrometry strategy for complete posttranslational modification mapping of <i>Neisseria meningitidis</i> major pilin. <i>Journal of Mass Spectrometry</i> , 2013, 48, 1199-1206.	1.6	14
24	The Meningococcal Minor Pilin PilX Is Responsible for Type IV Pilus Conformational Changes Associated with Signaling to Endothelial Cells. <i>Infection and Immunity</i> , 2012, 80, 3297-3306.	2.2	37
25	Microfluidic tools to investigate pathologies in the blood microcirculation. <i>International Journal of Nanotechnology</i> , 2012, 9, 529.	0.2	8
26	Vascular colonization by <i>Neisseria meningitidis</i> . <i>Current Opinion in Microbiology</i> , 2012, 15, 50-56.	5.1	27
27	Tissue microbiology emerging. <i>Current Opinion in Microbiology</i> , 2012, 15, 1-2.	5.1	64
28	A Laminar-Flow Chamber Assay for Measuring Bacterial Adhesion Under Shear Stress. <i>Methods in Molecular Biology</i> , 2012, 799, 185-195.	0.9	6
29	Posttranslational Modification of Pili upon Cell Contact Triggers <i>N. meningitidis</i> Dissemination. <i>Science</i> , 2011, 331, 778-782.	12.6	162
30	Introducing Shear Stress in the Study of Bacterial Adhesion. <i>Journal of Visualized Experiments</i> , 2011, , e3241.	0.3	6
31	Revisiting the extracellular lifestyle. <i>Cellular Microbiology</i> , 2011, 13, 1114-1121.	2.1	20
32	Chilean Scientists Rally After Quake. <i>Science</i> , 2010, 327, 1451-1452.	12.6	0
33	Extracellular Bacterial Pathogen Induces Host Cell Surface Reorganization to Resist Shear Stress. <i>PLoS Pathogens</i> , 2009, 5, e1000314.	4.7	122
34	Dual Role for Pilus in Adherence to Epithelial Cells and Biofilm Formation in <i>Streptococcus agalactiae</i> . <i>PLoS Pathogens</i> , 2009, 5, e1000422.	4.7	199
35	Meningococcal Type IV Pili Recruit the Polarity Complex to Cross the Brain Endothelium. <i>Science</i> , 2009, 325, 83-87.	12.6	205
36	Structure and Function of Interacting IcmR-IcmQ Domains from a Type IVb Secretion System in <i>Legionella pneumophila</i> . <i>Structure</i> , 2009, 17, 590-601.	3.3	16

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37	Alternative <i>Neisseria</i> spp. type IV pilin glycosylation with a glyceramido acetamido trideoxyhexose residue. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 14783-14788.	7.1	77
38	Cerebral microcirculation shear stress levels determine <i>Neisseria meningitidis</i> attachment sites along the blood-brain barrier. Journal of Experimental Medicine, 2006, 203, 1939-1950.	8.5	165
39	Extracellular Bacterial Pathogens and Small GTPases of the Rho Family: An Unexpected Combination. , 2005, 291, 11-28.		4
40	IcmF and DotU Are Required for Optimal Effector Translocation and Trafficking of the <i>Legionella pneumophila</i> Vacuole. Infection and Immunity, 2004, 72, 5972-5982.	2.2	54
41	IcmR-regulated Membrane Insertion and Efflux by the <i>Legionella pneumophila</i> IcmQ Protein. Journal of Biological Chemistry, 2004, 279, 4686-4695.	3.4	39
42	11 Cell transfection, permeabilization and microinjection as means to study <i>Shigella</i> -induced cytoskeletal reorganization. Methods in Microbiology, 2002, 31, 207-223.	0.8	0
43	The <i>Legionella pneumophila</i> IcmR protein exhibits chaperone activity for IcmQ by preventing its participation in high-molecular-weight complexes. Molecular Microbiology, 2001, 40, 1113-1127.	2.5	72
44	Delivering dangerous cargoes. Nature Structural Biology, 2001, 8, 1006-1008.	9.7	4
45	Bacterial signals and cell responses during <i>Shigella</i> entry into epithelial cells . Microreview. Cellular Microbiology, 2000, 2, 187-193.	2.1	126
46	Interferon $\beta$ Inhibits a Src-mediated Pathway Necessary for <i>Shigella</i> -induced Cytoskeletal Rearrangements in Epithelial Cells. Journal of Cell Biology, 1998, 143, 1003-1012.	5.2	52
47	Specific Contribution of Tyk2 JH Regions to the Binding and the Expression of the Interferon $\beta$ / $\beta$ 2 Receptor Component IFNAR1. Journal of Biological Chemistry, 1998, 273, 24723-24729.	3.4	87
48	Identification of Signalling Components in Tyrosine Kinase Cascades Using Phosphopeptide Affinity Chromatography. Biochemical and Biophysical Research Communications, 1997, 234, 748-753.	2.1	5
49	Effect of a null mutation of the insulin-like growth factor I receptor gene on growth and transformation of mouse embryo fibroblasts.. Molecular and Cellular Biology, 1994, 14, 3604-3612.	2.3	477