

# Adrien Ducret

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

3,000  
citations

331670

21  
h-index

526287

27  
g-index

28  
all docs

28  
docs citations

28  
times ranked

4073  
citing authors

#	ARTICLE	IF	CITATIONS
1	MicrobeJ, a tool for high throughput bacterial cell detection and quantitative analysis. <i>Nature Microbiology</i> , 2016, 1, 16077.	13.3	761
2	Bacterial adhesion at the single-cell level. <i>Nature Reviews Microbiology</i> , 2018, 16, 616-627.	28.6	380
3	Obstruction of pilus retraction stimulates bacterial surface sensing. <i>Science</i> , 2017, 358, 535-538.	12.6	231
4	Adhesins Involved in Attachment to Abiotic Surfaces by Gram-Negative Bacteria. <i>Microbiology Spectrum</i> , 2015, 3, .	3.0	229
5	Rules Governing Selective Protein Carbonylation. <i>PLoS ONE</i> , 2009, 4, e7269.	2.5	123
6	Bacterial motility complexes require the actin-like protein, MreB and the Ras homologue, MglA. <i>EMBO Journal</i> , 2010, 29, 315-326.	7.8	120
7	The mechanism of force transmission at bacterial focal adhesion complexes. <i>Nature</i> , 2016, 539, 530-535.	27.8	120
8	Adaptation and Preadaptation of <i>Salmonella enterica</i> to Bile. <i>PLoS Genetics</i> , 2012, 8, e1002459.	3.5	118
9	From individual cell motility to collective behaviors: insights from a prokaryote, <i>Myxococcus xanthus</i> . <i>FEMS Microbiology Reviews</i> , 2012, 36, 149-164.	8.6	112
10	Fluorescent D-amino-acids reveal bi-cellular cell wall modifications important for <i>Bdellovibrio bacteriovorus</i> predation. <i>Nature Microbiology</i> , 2017, 2, 1648-1657.	13.3	103
11	A Bacterial Ras-Like Small GTP-Binding Protein and Its Cognate GAP Establish a Dynamic Spatial Polarity Axis to Control Directed Motility. <i>PLoS Biology</i> , 2010, 8, e1000430.	5.6	85
12	Emergence and Modular Evolution of a Novel Motility Machinery in Bacteria. <i>PLoS Genetics</i> , 2011, 7, e1002268.	3.5	77
13	Direct live imaging of cell-to-cell protein transfer by transient outer membrane fusion in <i>Myxococcus xanthus</i> . <i>ELife</i> , 2013, 2, e00868.	6.0	75
14	Wet-surface-enhanced ellipsometric contrast microscopy identifies slime as a major adhesion factor during bacterial surface motility. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 10036-10041.	7.1	73
15	Sequential evolution of bacterial morphology by co-option of a developmental regulator. <i>Nature</i> , 2014, 506, 489-493.	27.8	65
16	The small G-protein MglA connects to the MreB actin cytoskeleton at bacterial focal adhesions. <i>Journal of Cell Biology</i> , 2015, 210, 243-256.	5.2	56
17	A Microscope Automated Fluidic System to Study Bacterial Processes in Real Time. <i>PLoS ONE</i> , 2009, 4, e7282.	2.5	46
18	A Versatile Class of Cell Surface Directional Motors Gives Rise to Gliding Motility and Sporulation in <i>Myxococcus xanthus</i> . <i>PLoS Biology</i> , 2013, 11, e1001728.	5.6	41

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19	CO <sub>2</sub> exacerbates oxygen toxicity. EMBO Reports, 2011, 12, 321-326.	4.5	30
20	Single-Cell Analysis of Growth and Cell Division of the Anaerobe <i>Desulfovibrio vulgaris</i> Hildenborough. Frontiers in Microbiology, 2015, 6, 1378.	3.5	30
21	Adhesins Involved in Attachment to Abiotic Surfaces by Gram-Negative Bacteria. , 0, , 163-199.		27
22	RocS drives chromosome segregation and nucleoid protection in <i>Streptococcus pneumoniae</i> . Nature Microbiology, 2019, 4, 1661-1670.	13.3	27
23	Glitter-Like Iridescence within the Bacteroidetes Especially <i>Cellulophaga</i> spp.: Optical Properties and Correlation with Gliding Motility. PLoS ONE, 2012, 7, e52900.	2.5	20
24	Restricted Localization of Photosynthetic Intracytoplasmic Membranes (ICMs) in Multiple Genera of Purple Nonsulfur Bacteria. MBio, 2018, 9, .	4.1	18
25	Recent progress in our understanding of peptidoglycan assembly in Firmicutes. Current Opinion in Microbiology, 2021, 60, 44-50.	5.1	14
26	A CozE Homolog Contributes to Cell Size Homeostasis of <i>Streptococcus pneumoniae</i> . MBio, 2020, 11, .	4.1	12
27	Bacterial physiology: Wrapping the cell in a CozE shell. Nature Microbiology, 2017, 2, 16262.	13.3	6
28	Single-cell analysis of cell viability after a biocide treatment unveils an absence of positive correlation between two commonly used viability markers. MicrobiologyOpen, 2013, 2, 123-129.	3.0	1