

# Fordyce A Davidson

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6404163/publications.pdf>

Version: 2024-02-01

17  
papers

326  
citations

840776

11  
h-index

888059

17  
g-index

22  
all docs

22  
docs citations

22  
times ranked

358  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced Antibacterial and Antiadhesive Activities of Silver-PTFE Nanocomposite Coating for Urinary Catheters. ACS Biomaterials Science and Engineering, 2019, 5, 2804-2814.	5.2	63
2	Induction of contour sensing in <i>Aspergillus niger</i> by stress and its relevance to fungal growth mechanics and hyphal tip structure. Fungal Genetics and Biology, 2007, 44, 484-491.	2.1	46
3	Pulcherrimin formation controls growth arrest of the <i>Bacillus subtilis</i> biofilm. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 13553-13562.	7.1	46
4	A synthetic system for expression of components of a bacterial microcompartment. Microbiology (United Kingdom), 2013, 159, 2427-2436.	1.8	26
5	A mathematical approach to studying fungal mycelia. The Mycologist, 2003, 17, 165-171.	0.4	22
6	Regulation of vectorial supply of vesicles to the hyphal tip determines thigmotropism in <i>Neurospora crassa</i> . Fungal Biology, 2014, 118, 287-294.	2.5	21
7	Founder cell configuration drives competitive outcome within colony biofilms. ISME Journal, 2022, 16, 1512-1522.	9.8	20
8	Selective Heterogeneity in Exoprotease Production by <i>Bacillus subtilis</i> . PLoS ONE, 2012, 7, e38574.	2.5	13
9	Spectral properties of non-local differential operators. Applicable Analysis, 2006, 85, 717-734.	1.3	12
10	Wrinkle patterns in active viscoelastic thin sheets. Physical Review Research, 2020, 2, .	3.6	12
11	Effect of nutrient availability on hyphal maturation and topographical sensing in <i>Aspergillus niger</i> . Mycoscience, 2007, 48, 145-151.	0.8	11
12	Mathematical modelling of fungal growth and function. IMA Fungus, 2011, 2, 33-37.	3.8	11
13	Comment on "Rivalry in <i>Bacillus subtilis</i> colonies: enemy or family?" Soft Matter, 2020, 16, 3344-3346.	2.7	8
14	A theoretical framework for multi-species range expansion in spatially heterogeneous landscapes. Oikos, 2022, 2022, .	2.7	3
15	Diffusion fronts in enzyme-catalysed reactions. Journal of Engineering Mathematics, 2007, 59, 157-169.	1.2	2
16	Translational control of gene expression via interacting feedback loops. Physical Review E, 2019, 100, 050402.	2.1	2
17	Berkeley Award Lecture: Mathematical modelling of the form and function of fungal mycelia. , 2007, , 58-74.		0