

# R Blake Hill

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

1,468  
citations

623734

14  
h-index

526287

27  
g-index

35  
all docs

35  
docs citations

35  
times ranked

2504  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Putative Drp1 Inhibitor mdivi-1 Is a Reversible Mitochondrial Complex I Inhibitor that Modulates Reactive Oxygen Species. <i>Developmental Cell</i> , 2017, 40, 583-594.e6.	7.0	406
2	Mitochondrial fission proteins regulate programmed cell death in yeast. <i>Genes and Development</i> , 2004, 18, 2785-2797.	5.9	270
3	A Lethal de Novo Mutation in the Middle Domain of the Dynamin-related GTPase Drp1 Impairs Higher Order Assembly and Mitochondrial Division. <i>Journal of Biological Chemistry</i> , 2010, 285, 32494-32503.	3.4	155
4	Mitochondria-targeted drugs stimulate mitophagy and abrogate colon cancer cell proliferation. <i>Journal of Biological Chemistry</i> , 2018, 293, 14891-14904.	3.4	95
5	Cytosolic domain of the human mitochondrial fission protein fis1 adopts a TPR fold. <i>Proteins: Structure, Function and Bioinformatics</i> , 2003, 54, 153-156.	2.6	70
6	Methods for imaging mammalian mitochondrial morphology: A prospective on MitoGraph. <i>Analytical Biochemistry</i> , 2018, 552, 81-99.	2.4	60
7	Mitochondrial Fission Protein 1: Emerging Roles in Organellar Form and Function in Health and Disease. <i>Frontiers in Endocrinology</i> , 2021, 12, 660095.	3.5	59
8	Direct Binding of the Dynamin-like GTPase, Dnm1, to Mitochondrial Dynamics Protein Fis1 Is Negatively Regulated by the Fis1 N-terminal Arm. <i>Journal of Biological Chemistry</i> , 2007, 282, 33769-33775.	3.4	56
9	Resistance of Dynamin-related Protein 1 Oligomers to Disassembly Impairs Mitophagy, Resulting in Myocardial Inflammation and Heart Failure. <i>Journal of Biological Chemistry</i> , 2015, 290, 25907-25919.	3.4	50
10	Mitochondrial regulation of diabetic vascular disease: an emerging opportunity. <i>Translational Research</i> , 2018, 202, 83-98.	5.0	35
11	Molecular Motor Dnm1 Synergistically Induces Membrane Curvature To Facilitate Mitochondrial Fission. <i>ACS Central Science</i> , 2017, 3, 1156-1167.	11.3	29
12	Hydrogen Bonded Cluster Can Specify the Native State of a Protein. <i>Journal of the American Chemical Society</i> , 2000, 122, 746-747.	13.7	25
13	Synchronous effects of targeted mitochondrial complex I inhibitors on tumor and immune cells abrogate melanoma progression. <i>IScience</i> , 2021, 24, 102653.	4.1	18
14	The Cytosolic Domain of Fis1 Binds and Reversibly Clusters Lipid Vesicles. <i>PLoS ONE</i> , 2011, 6, e21384.	2.5	17
15	SRCP1 Conveys Resistance to Polyglutamine Aggregation. <i>Molecular Cell</i> , 2018, 71, 216-228.e7.	9.7	15
16	A Targeted Mutation Identified through pK Measurements Indicates a Postrecruitment Role for Fis1 in Yeast Mitochondrial Fission. <i>Journal of Biological Chemistry</i> , 2016, 291, 20329-20344.	3.4	14
17	A Designed Point Mutant in Fis1 Disrupts Dimerization and Mitochondrial Fission. <i>Journal of Molecular Biology</i> , 2012, 423, 143-158.	4.2	13
18	S-nitrosation of monocarboxylate transporter 1: Inhibition of pyruvate-fueled respiration and proliferation of breast cancer cells. <i>Free Radical Biology and Medicine</i> , 2014, 69, 229-238.	2.9	13

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19	Development and Validation of 2D Difference Intensity Analysis for Chemical Library Screening by Protein-Detected NMR Spectroscopy. <i>ChemBioChem</i> , 2018, 19, 448-458.	2.6	13
20	Evidence for Conformational Heterogeneity of Fission Protein Fis1 from <i>Saccharomyces cerevisiae</i> . <i>Biochemistry</i> , 2009, 48, 6598-6609.	2.5	10
21	The Tail-End Is Only the Beginning: NMR Study Reveals a Membrane-Bound State of BCL-XL. <i>Journal of Molecular Biology</i> , 2015, 427, 2257-2261.	4.2	9
22	The 1.75-Å resolution structure of fission protein Fis1 from <i>Saccharomyces cerevisiae</i> reveals elusive interactions of the autoinhibitory domain. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2011, 67, 1310-1315.	0.7	7
23	A Designed Nested-Dimer of Cyanovirin-N Increases Antiviral Activity. <i>Viruses</i> , 2016, 8, 158.	3.3	5
24	Removal of a consensus proline is not sufficient to allow tetratricopeptide repeat oligomerization. <i>Protein Science</i> , 2017, 26, 1974-1983.	7.6	5
25	Histone H3 and H4 tails play an important role in nucleosome phase separation. <i>Biophysical Chemistry</i> , 2022, 283, 106767.	2.8	3
26	Isolation and Analysis of Mitochondrial Fission Enzyme DNM1 from <i>Saccharomyces cerevisiae</i> . <i>Methods in Molecular Biology</i> , 2020, 2159, 3-15.	0.9	1
27	Intramolecular regulation of Fis1 activity in fission and mitophagy. <i>FASEB Journal</i> , 2021, 35, .	0.5	0
28	Fis1 and Drp1 cooperate in mitochondrial homeostasis (756.8). <i>FASEB Journal</i> , 2014, 28, 756.8.	0.5	0
29	Imaging and Quantifying Mitochondrial Morphology: a Focus on the 3D Freeware MitoGraph. <i>FASEB Journal</i> , 2018, 32, lb185.	0.5	0
30	Development of a Molecular Probe Targeting Mitochondrial Fission Protein Fis1. <i>FASEB Journal</i> , 2018, 32, 530.17.	0.5	0
31	Reconstitution of a Tail-Anchored Mitochondrial Membrane Protein. <i>FASEB Journal</i> , 2018, 32, 792.34.	0.5	0
32	Structural studies of human Fis1 reveals a dynamic region important for Drp1 recruitment and mitochondrial fission. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	0