

# Robert J Huber

## List of Publications by Year in descending order

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44  
papers

785  
citations

567281

15  
h-index

580821

25  
g-index

45  
all docs

45  
docs citations

45  
times ranked

623  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reconstitution of the mitochondrial calcium uniporter in yeast. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 8985-8990.	7.1	136
2	Cln5 is secreted and functions as a glycoside hydrolase in Dictyostelium. Cellular Signalling, 2018, 42, 236-248.	3.6	45
3	Loss of Cln3 Function in the Social Amoeba Dictyostelium discoideum Causes Pleiotropic Effects That Are Rescued by Human CLN3. PLoS ONE, 2014, 9, e110544.	2.5	44
4	Using the social amoeba Dictyostelium to study the functions of proteins linked to neuronal ceroid lipofuscinosis. Journal of Biomedical Science, 2016, 23, 83.	7.0	33
5	Loss of Cln3 impacts protein secretion in the social amoeba Dictyostelium. Cellular Signalling, 2017, 35, 61-72.	3.6	29
6	Aberrant adhesion impacts early development in a Dictyostelium model for juvenile neuronal ceroid lipofuscinosis. Cell Adhesion and Migration, 2017, 11, 399-418.	2.7	27
7	Cln3 function is linked to osmoregulation in a Dictyostelium model of Batten disease. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2018, 1864, 3559-3573.	3.8	27
8	Secretion and function of Cln5 during the early stages of Dictyostelium development. Biochimica Et Biophysica Acta - Molecular Cell Research, 2018, 1865, 1437-1450.	4.1	23
9	Recent Insights into NCL Protein Function Using the Model Organism Dictyostelium discoideum. Cells, 2019, 8, 115.	4.1	23
10	Extracellular matrix dynamics and functions in the social amoeba Dictyostelium: A critical review. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 2971-2980.	2.4	22
11	The contribution of multicellular model organisms to neuronal ceroid lipofuscinosis research. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2020, 1866, 165614.	3.8	22
12	Nucleocytoplasmic transfer of cyclin dependent kinase 5 and its binding to puromycin-sensitive aminopeptidase in Dictyostelium discoideum. Histochemistry and Cell Biology, 2011, 136, 177-189.	1.7	19
13	An extracellular matrix, calmodulin-binding protein from Dictyostelium with EGF-like repeats that enhance cell motility. Cellular Signalling, 2011, 23, 1197-1206.	3.6	18
14	Comparative transcriptomics reveals mechanisms underlying cln3-deficiency phenotypes in Dictyostelium. Cellular Signalling, 2019, 58, 79-90.	3.6	18
15	Dictyostelium discoideum: A Model System for Cell and Developmental Biology. Current Protocols in Essential Laboratory Techniques, 2017, 15, 14.1.1.	2.6	17
16	EGF-like peptide-enhanced cell motility in Dictyostelium functions independently of the cAMP-mediated pathway and requires active Ca <sup>2+</sup> /calmodulin signaling. Cellular Signalling, 2011, 23, 731-738.	3.6	16
17	Cytokinin Detection during the Dictyostelium discoideum Life Cycle: Profiles Are Dynamic and Affect Cell Growth and Spore Germination. Biomolecules, 2019, 9, 702.	4.0	16
18	Molecular networking in the neuronal ceroid lipofuscinoses: insights from mammalian models and the social amoeba Dictyostelium discoideum. Journal of Biomedical Science, 2020, 27, 64.	7.0	16

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19	Altered protein secretion in Batten disease. <i>DMM Disease Models and Mechanisms</i> , 2021, 14, .	2.4	16
20	An EGF-like peptide sequence from <i>Dictyostelium</i> enhances cell motility and chemotaxis. <i>Biochemical and Biophysical Research Communications</i> , 2009, 379, 470-475.	2.1	15
21	The cyclin-dependent kinase inhibitor roscovitine inhibits kinase activity, cell proliferation, multicellular development, and Cdk5 nuclear translocation in <i>Dictyostelium discoideum</i> . <i>Journal of Cellular Biochemistry</i> , 2012, 113, 868-876.	2.6	15
22	Cyclin-dependent kinase 5 is a calmodulin-binding protein that associates with puromycin-sensitive aminopeptidase in the nucleus of <i>Dictyostelium</i> . <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013, 1833, 11-20.	4.1	15
23	Proteomic profiling of the extracellular matrix (slime sheath) of <i>Dictyostelium discoideum</i> . <i>Proteomics</i> , 2015, 15, 3315-3319.	2.2	14
24	Aberrant Autophagy Impacts Growth and Multicellular Development in a <i>Dictyostelium</i> Knockout Model of CLN5 Disease. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 657406.	3.7	14
25	Calmodulin binding proteins and neuroinflammation in multiple neurodegenerative diseases. <i>BMC Neuroscience</i> , 2022, 23, 10.	1.9	14
26	Autophagy in the Neuronal Ceroid Lipofuscinoses (Batten Disease). <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 812728.	3.7	13
27	The cyclin-dependent kinase family in the social amoebozoan <i>Dictyostelium discoideum</i> . <i>Cellular and Molecular Life Sciences</i> , 2014, 71, 629-639.	5.4	12
28	Mfsd8 localizes to endocytic compartments and influences the secretion of Cln5 and cathepsin D in <i>Dictyostelium</i> . <i>Cellular Signalling</i> , 2020, 70, 109572.	3.6	12
29	EGF-like peptide of <i>Dictyostelium discoideum</i> is not a chemoattractant but it does restore folate-mediated chemotaxis in the presence of signal transduction inhibitors. <i>Peptides</i> , 2012, 34, 145-149.	2.4	11
30	Extracellular calmodulin regulates growth and cAMP-mediated chemotaxis in <i>Dictyostelium discoideum</i> . <i>Biochemical and Biophysical Research Communications</i> , 2012, 425, 750-754.	2.1	11
31	Neuronal Ceroid Lipofuscinoses: Connecting Calcium Signalling through Calmodulin. <i>Cells</i> , 2018, 7, 188.	4.1	11
32	EGF-like peptide-enhanced cell movement in <i>Dictyostelium</i> is mediated by protein kinases and the activity of several cytoskeletal proteins. <i>Cellular Signalling</i> , 2012, 24, 1770-1780.	3.6	10
33	Calmodulin-mediated events during the life cycle of the amoebozoan <i>Dictyostelium discoideum</i> . <i>Biological Reviews</i> , 2020, 95, 472-490.	10.4	9
34	Cancer and the breakdown of multicellularity: What <i>Dictyostelium discoideum</i> , a social amoeba, can teach us. <i>BioEssays</i> , 2021, 43, e2000156.	2.5	9
35	CyrA, a matricellular protein that modulates cell motility in <i>Dictyostelium discoideum</i> . <i>Matrix Biology</i> , 2012, 31, 271-280.	3.6	8
36	A matricellular protein and EGF-like repeat signalling in the social amoebozoan <i>Dictyostelium discoideum</i> . <i>Cellular and Molecular Life Sciences</i> , 2012, 69, 3989-3997.	5.4	8

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37	Cytokinins in Dictyostelia – A Unique Model for Studying the Functions of Signaling Agents From Species to Kingdoms. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 511.	3.7	4
38	The Cellular and Developmental Roles of Cullins, Neddylation, and the COP9 Signalosome in <i>Dictyostelium discoideum</i> . <i>Frontiers in Physiology</i> , 2022, 13, 827435.	2.8	4
39	Inhibiting Neddylation with MLN4924 Suppresses Growth and Delays Multicellular Development in <i>Dictyostelium discoideum</i> . <i>Biomolecules</i> , 2021, 11, 482.	4.0	3
40	Mfsd8 Modulates Growth and the Early Stages of Multicellular Development in <i>Dictyostelium discoideum</i> . <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	3.7	3
41	Editorial: Dictyostelium: A Tractable Cell and Developmental Model in Biomedical Research. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 909619.	3.7	2
42	Functional Analysis of Proteins Involved in Neurodegeneration Using the Model Organism <i>Dictyostelium</i> . , 2018, , 491-518.		1
43	Matricellular Signal Transduction Involving Calmodulin in the Social Amoebozoan <i>Dictyostelium</i> . <i>Genes</i> , 2013, 4, 33-45.	2.4	0
44	A Proteomics Analysis of Calmodulin-Binding Proteins in <i>Dictyostelium discoideum</i> during the Transition from Unicellular Growth to Multicellular Development. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1722.	4.1	0