

Erik F Y Hom

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,937
citations

430442

18
h-index

642321

23
g-index

25
all docs

25
docs citations

25
times ranked

3318
citing authors

#	ARTICLE	IF	CITATIONS
1	Diffusion of Green Fluorescent Protein in the Aqueous-Phase Lumen of Endoplasmic Reticulum. Biophysical Journal, 1999, 76, 2843-2851.	0.2	290
2	Metabolic network reconstruction of <i>Chlamydomonas</i> offers insight into light-driven algal metabolism. Molecular Systems Biology, 2011, 7, 518.	3.2	264
3	Fungi in the Marine Environment: Open Questions and Unsolved Problems. MBio, 2019, 10, .	1.8	200
4	Niche engineering demonstrates a latent capacity for fungal-algal mutualism. Science, 2014, 345, 94-98.	6.0	192
5	The <i>Chlamydomonas</i> genome project: a decade on. Trends in Plant Science, 2014, 19, 672-680.	4.3	145
6	Whole-Genome Resequencing Reveals Extensive Natural Variation in the Model Green Alga <i>Chlamydomonas reinhardtii</i> . Plant Cell, 2015, 27, 2353-2369.	3.1	92
7	Shape, size and multiplicity of main-belt asteroids I. Keck Adaptive Optics survey. Icarus, 2006, 185, 39-63.	1.1	90
8	Metabolic network analysis integrated with transcript verification for sequenced genomes. Nature Methods, 2009, 6, 589-592.	9.0	83
9	Characterization of salt stress-induced palmelloids in the green alga, <i>Chlamydomonas reinhardtii</i> . Algal Research, 2016, 16, 434-448.	2.4	83
10	A unified taxonomy for ciliary dyneins. Cytoskeleton, 2011, 68, 555-565.	1.0	77
11	AIDA: an adaptive image deconvolution algorithm with application to multi-frame and three-dimensional data. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2007, 24, 1580.	0.8	62
12	WD60/FAP163 is a dynein intermediate chain required for retrograde intraflagellar transport in cilia. Molecular Biology of the Cell, 2013, 24, 2668-2677.	0.9	56
13	Fluorescence Correlation Spectroscopy Simulations of Photophysical Phenomena and Molecular Interactions: A Molecular Dynamics/Monte Carlo Approach. Journal of Physical Chemistry B, 2006, 110, 1896-1906.	1.2	45
14	Climate and seasonality drive the richness and composition of tropical fungal endophytes at a landscape scale. Communications Biology, 2021, 4, 313.	2.0	45
15	A Chemical Perspective on Microalgal-Microbial Interactions. Trends in Plant Science, 2015, 20, 689-693.	4.3	41
16	Analysis of Coupled Bimolecular Reaction Kinetics and Diffusion by Two-Color Fluorescence Correlation Spectroscopy: Enhanced Resolution of Kinetics by Resonance Energy Transfer. Biophysical Journal, 2002, 83, 533-546.	0.2	35
17	OK, thanks! A new mutualism between <i>Chlamydomonas</i> and methyllobacteria facilitates growth on amino acids and peptides. FEMS Microbiology Letters, 2018, 365, .	0.7	33
18	Nitrogen scavenging from amino acids and peptides in the model alga <i>Chlamydomonas reinhardtii</i> . The role of extracellular l-amino oxidase. Algal Research, 2019, 38, 101395.	2.4	24

#	ARTICLE	IF	CITATIONS
19	Concerted action of the new Genomic Peptide Finder and AUGUSTUS allows for automated proteogenomic annotation of the <i>Chlamydomonas reinhardtii</i> genome. <i>Proteomics</i> , 2011, 11, 1814-1823.	1.3	16
20	Towards a Systems Biology Approach to Understanding the Lichen Symbiosis: Opportunities and Challenges of Implementing Network Modelling. <i>Frontiers in Microbiology</i> , 2021, 12, 667864.	1.5	15
21	Methodological Approaches Frame Insights into Endophyte Richness and Community Composition. <i>Microbial Ecology</i> , 2021, 82, 21-34.	1.4	13
22	On the move: sloths and their epibionts as model mobile ecosystems. <i>Biological Reviews</i> , 2021, 96, 2638-2660.	4.7	9
23	Symbiosis and the Anthropocene. <i>Symbiosis</i> , 2021, 84, 239-270.	1.2	7