Erik F Y Hom

List of Publications by Year
in descending order

23	1,937	430874 18	642732 23
papers	citations	h-index	g-index

25	25	25	3318
all docs	docs citations	times ranked	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.	0.5	290
2	Metabolic network reconstruction of Chlamydomonas offers insight into lightâ€driven algal metabolism. Molecular Systems Biology, 2011, 7, 518.	7.2	264
3	Fungi in the Marine Environment: Open Questions and Unsolved Problems. MBio, 2019, 10, .	4.1	200
4	Niche engineering demonstrates a latent capacity for fungal-algal mutualism. Science, 2014, 345, 94-98.	12.6	192
5	The Chlamydomonas genome project: a decade on. Trends in Plant Science, 2014, 19, 672-680.	8.8	145
6	Whole-Genome Resequencing Reveals Extensive Natural Variation in the Model Green Alga Chlamydomonas reinhardtii. Plant Cell, 2015, 27, 2353-2369.	6.6	92
7	Shape, size and multiplicity of main-belt asteroidsI. Keck Adaptive Optics survey. Icarus, 2006, 185, 39-63.	2.5	90
8	Metabolic network analysis integrated with transcript verification for sequenced genomes. Nature Methods, 2009, 6, 589-592.	19.0	83
9	Characterization of salt stress-induced palmelloids in the green alga, Chlamydomonas reinhardtii. Algal Research, 2016, 16, 434-448.	4.6	83
10	A unified taxonomy for ciliary dyneins. Cytoskeleton, 2011, 68, 555-565.	2.0	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.	1.5	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.	2.1	56
13	Fluorescence Correlation Spectroscopy Simulations of Photophysical Phenomena and Molecular Interactions:Â A Molecular Dynamics/Monte Carlo Approach. Journal of Physical Chemistry B, 2006, 110, 1896-1906.	2.6	45
14	Climate and seasonality drive the richness and composition of tropical fungal endophytes at a landscape scale. Communications Biology, 2021, 4, 313.	4.4	45
15	A Chemical Perspective on Microalgalâ€“Microbial Interactions. Trends in Plant Science, 2015, 20, 689-693.	8.8	41
16	Analysis of Coupled Bimolecular Reaction Kinetics and Diffusion byTwo-Color Fluorescence Correlation Spectroscopy: Enhanced Resolution of Kinetics by Resonance Energy Transfer. Biophysical Journal, 2002, 83, 533-546.	0.5	35
17	OK, thanks! A new mutualism between Chlamydomonas and methylobacteria facilitates growth on amino acids and peptides. FEMS Microbiology Letters, 2018, 365, .	1.8	33
18	Nitrogen scavenging from amino acids and peptides in the model alga Chlamydomonas reinhardtii. The role of extracellular l-amino oxidase. Algal Research, 2019, 38, 101395.	4.6	24

#	Article	IF	Citations
19	Concerted action of the new Genomic Peptide Finder and AUGUSTUS allows for automated proteogenomic annotation of the Chlamydomonas reinhardtii genome. Proteomics, 2011, 11, 1814-1823.	2.2	16
20	Towards a Systems Biology Approach to Understanding the Lichen Symbiosis: Opportunities and Challenges of Implementing Network Modelling. Frontiers in Microbiology, 2021, 12, 667864.	3.5	15
21	Methodological Approaches Frame Insights into Endophyte Richness and Community Composition. Microbial Ecology, 2021, 82, 21-34.	2.8	13
22	On the move: sloths and their epibionts as model mobile ecosystems. Biological Reviews, 2021, 96, 2638-2660.	10.4	9
23	Symbiosis and the Anthropocene. Symbiosis, 2021, 84, 239-270.	2.3	7