

# Mark E Dumont

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

712  
citations

623734

14  
h-index

642732

23  
g-index

26  
all docs

26  
docs citations

26  
times ranked

804  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fluorescent approaches for understanding interactions of ligands with G protein coupled receptors. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 15-33.	2.6	95
2	Assembly of G Protein-Coupled Receptors from Fragments: Identification of Functional Receptors with Discontinuities in Each of the Loops Connecting Transmembrane Segments. <i>Biochemistry</i> , 1999, 38, 682-695.	2.5	70
3	A Limited Spectrum of Mutations Causes Constitutive Activation of the Yeast $\hat{\pm}$ -Factor Receptor. <i>Biochemistry</i> , 2000, 39, 6898-6909.	2.5	58
4	Oligomerization of the Yeast $\hat{\pm}$ -Factor Receptor. <i>Journal of Biological Chemistry</i> , 2006, 281, 20698-20714.	3.4	54
5	The Crystal Structure of an Integral Membrane Fatty Acid $\hat{\pm}$ -Hydroxylase. <i>Journal of Biological Chemistry</i> , 2015, 290, 29820-29833.	3.4	52
6	Genetic interactions among the transmembrane segments of the G protein coupled receptor encoded by the yeast STE2 gene 1 Edited by S. Reed. <i>Journal of Molecular Biology</i> , 1997, 266, 559-575.	4.2	49
7	A Fluorescent $\hat{\pm}$ -Factor Analogue Exhibits Multiple Steps on Binding to Its G Protein Coupled Receptor in Yeast. <i>Biochemistry</i> , 2004, 43, 13564-13578.	2.5	45
8	Characteristics Affecting Expression and Solubilization of Yeast Membrane Proteins. <i>Journal of Molecular Biology</i> , 2007, 365, 621-636.	4.2	43
9	Mutagenic mapping of helical structures in the transmembrane segments of the yeast $\hat{\pm}$ -factor receptor 1 Edited by I. B. Holland. <i>Journal of Molecular Biology</i> , 2002, 317, 765-788.	4.2	37
10	Purification of transmembrane proteins from <i>Saccharomyces cerevisiae</i> for X-ray crystallography. <i>Protein Expression and Purification</i> , 2010, 71, 207-223.	1.3	34
11	Structure of the SLC4 transporter Bor1p in an inward-facing conformation. <i>Protein Science</i> , 2017, 26, 130-145.	7.6	34
12	Human CaaX protease ZMPSTE24 expressed in yeast: Structure and inhibition by HIV protease inhibitors. <i>Protein Science</i> , 2017, 26, 242-257.	7.6	25
13	Differential Interactions of Fluorescent Agonists and Antagonists with the Yeast G Protein Coupled Receptor Ste2p. <i>Journal of Molecular Biology</i> , 2011, 409, 513-528.	4.2	23
14	Intensive Mutational Analysis of G Protein-Coupled Receptors in Yeast. , 2004, 237, 105-120.		21
15	Role of extracellular charged amino acids in the yeast $\hat{\pm}$ -factor receptor. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2007, 1773, 707-717.	4.1	16
16	Functional and Physical Interactions among <i>Saccharomyces cerevisiae</i> $\hat{\pm}$ -Factor Receptors. <i>Eukaryotic Cell</i> , 2012, 11, 1276-1288.	3.4	13
17	Deducing the symmetry of helical assemblies: Applications to membrane proteins. <i>Journal of Structural Biology</i> , 2016, 195, 167-178.	2.8	10
18	Identifying Functionally Important Conformational Changes in Proteins: Activation of the Yeast $\hat{\pm}$ -factor Receptor Ste2p. <i>Journal of Molecular Biology</i> , 2012, 418, 367-378.	4.2	9

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19	Variable Dependence of Signaling Output on Agonist Occupancy of Ste2p, a G Protein-coupled Receptor in Yeast. <i>Journal of Biological Chemistry</i> , 2016, 291, 24261-24279.	3.4	8
20	Identification of Destabilizing and Stabilizing Mutations of Ste2p, a G Protein-Coupled Receptor in <i>Saccharomyces cerevisiae</i> . <i>Biochemistry</i> , 2015, 54, 1787-1806.	2.5	7
21	Display of the HIV envelope protein at the yeast cell surface for immunogen development. <i>PLoS ONE</i> , 2018, 13, e0205756.	2.5	5
22	Comparison of Experimental Approaches Used to Determine the Structure and Function of the Class D G Protein-Coupled Yeast $\beta$ -Factor Receptor. <i>Biomolecules</i> , 2022, 12, 761.	4.0	2
23	A Novel Screening Approach for Optimal and Functional Fusion of T4 Lysozyme in GPCRs. <i>Methods in Enzymology</i> , 2015, 557, 27-43.	1.0	1
24	Oligomerization of yeast $\beta$ -factor receptor detected by fluorescent energy transfer between ligands. <i>Biophysical Journal</i> , 2021, 120, 5090-5106.	0.5	1
25	Identification of variant HIV envelope proteins with enhanced affinities for precursors to anti-gp41 broadly neutralizing antibodies. <i>PLoS ONE</i> , 2019, 14, e0221550.	2.5	0