

Peter M Thompson

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

615
citations

933447

10
h-index

794594

19
g-index

23
all docs

23
docs citations

23
times ranked

949
citing authors

#	ARTICLE	IF	CITATIONS
1	Vinculinâ€™actin interaction couples actin retrograde flow to focal adhesions, but is dispensable for focal adhesion growth. <i>Journal of Cell Biology</i> , 2013, 202, 163-177.	5.2	230
2	Phthalate Induction of CYP3A4 is Dependent on Glucocorticoid Regulation of PXR Expression. <i>Toxicological Sciences</i> , 2008, 103, 268-277.	3.1	57
3	Multiple roles of Bet v 1 ligands in allergen stabilization and modulation of endosomal protease activity. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2019, 74, 2382-2393.	5.7	51
4	Identification of an Actin Binding Surface on Vinculin that Mediates Mechanical Cell and Focal Adhesion Properties. <i>Structure</i> , 2014, 22, 697-706.	3.3	49
5	The Structural Basis of Actin Organization by Vinculin and Metavinculin. <i>Journal of Molecular Biology</i> , 2016, 428, 10-25.	4.2	49
6	Vinculin and metavinculin: Oligomerization and interactions with F-actin. <i>FEBS Letters</i> , 2013, 587, 1220-1229.	2.8	31
7	A Structural Model for Vinculin Insertion into PIP2-Containing Membranes and the Effect of Insertion on Vinculin Activation and Localization. <i>Structure</i> , 2017, 25, 264-275.	3.3	23
8	An adaptive teosinte<i>mexicana</i> introgression modulates phosphatidylcholine levels and is associated with maize flowering time. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	21
9	Phosphorylation at Y1065 in Vinculin Mediates Actin Bundling, Cell Spreading, and Mechanical Responses to Force. <i>Biochemistry</i> , 2014, 53, 5526-5536.	2.5	19
10	Hydrophobic ligands influence the structure, stability, and processing of the major cockroach allergen Bla g 1. <i>Scientific Reports</i> , 2019, 9, 18294.	3.3	14
11	The mosquito protein AEG12 displays both cytolytic and antiviral properties via a common lipid transfer mechanism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	13
12	Protein-Protein Interaction Analysis by Nuclear Magnetic Resonance Spectroscopy. <i>Methods in Molecular Biology</i> , 2015, 1278, 267-279.	0.9	12
13	Combined computational design of a zinc-binding site and a proteinâ€™protein interaction: One open zinc coordination site was not a robust hotspot for de novo ubiquitin binding. <i>Proteins: Structure, Function and Bioinformatics</i> , 2013, 81, 1245-1255.	2.6	10
14	A metabolomic, geographic, and seasonal analysis of the contribution of pollen-derived adenosine to allergic sensitization. <i>Metabolomics</i> , 2016, 12, 1.	3.0	10
15	SketchBio: a scientistâ€™s 3D interface for molecular modeling and animation. <i>BMC Bioinformatics</i> , 2014, 15, 334.	2.6	7
16	Mixture analyses of air-sampled pollen extracts can accurately differentiate pollen taxa. <i>Atmospheric Environment</i> , 2020, 243, 117746.	4.1	7
17	Removal and Replacement of Endogenous Ligands from Lipid-Bound Proteins and Allergens. <i>Journal of Visualized Experiments</i> , 2021, , .	0.3	7
18	Influence of Hydrophobic Cargo Binding on the Structure, Stability, and Allergenicity of the Cockroach Allergen Bla g 1. <i>Journal of Allergy and Clinical Immunology</i> , 2019, 143, AB213.	2.9	2

#	ARTICLE	IF	CITATIONS
19	New Models for Regulation of Vinculin by Actin and Phospholipids. <i>Biophysical Journal</i> , 2015, 108, 508a-509a.	0.5	0
20	Role of PIP2-Dependent Membrane Interactions in Vinculin Activation, Motility and Force Transmission. <i>Biophysical Journal</i> , 2016, 110, 575a.	0.5	0
21	Role of PIP2-Dependent Membrane Interactions in Vinculin Activation, Motility and Force Transmission. <i>Biophysical Journal</i> , 2017, 112, 479a.	0.5	0