Matilda Katan-Muller

List of Publications by Year
in descending order

26	1,526	471509 17	552781 26
papers	citations	h-index	g-index

26	26	26	2650
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recurrent PTPRB and PLCG1 mutations in angiosarcoma. Nature Genetics, 2014, 46, 376-379.	21.4	269
2	Cells of the human intestinal tract mapped across space and time. Nature, 2021, 597, 250-255.	27.8	266
3	Dysfunction of phospholipase CÎ³ in immune disorders and cancer. Trends in Biochemical Sciences, 2014, 39, 603-611.	7.5	107
4	Alzheimerâ€™s disease phospholipase C-gamma-2 (PLCG2) protective variant is a functional hypermorph. Alzheimer's Research and Therapy, 2019, 11, 16.	6.2	100
5	Landscape of activating cancer mutations in FGFR kinases and their differential responses to inhibitors in clinical use. Oncotarget, 2016, 7, 24252-24268.	1.8	83
6	Phosphatidylinositol(4,5)bisphosphate: diverse functions at the plasma membrane. Essays in Biochemistry, 2020, 64, 513-531.	4.7	82
7	Screening for protein-protein interactions using FÃ¶rster resonance energy transfer (FRET) and fluorescence lifetime imaging microscopy (FLIM). Scientific Reports, 2016, 6, 28186.	3.3	75
8	Novel PLCG2 Mutation in a Patient With APLAID and Cutis Laxa. Frontiers in Immunology, 2018, 9, 2863.	4.8	64
9	The Effect of Mutations on Drug Sensitivity and Kinase Activity of Fibroblast Growth Factor Receptors: A Combined Experimental and Theoretical Study. EBioMedicine, 2015, 2, 194-204.	6.1	60
10	Global Profiling of Huntingtin-associated protein E (HYPE)-Mediated AMPylation through a Chemical Proteomic Approach. Molecular and Cellular Proteomics, 2016, 15, 715-725.	3.8	56
11	Homo-FRET Based Biosensors and Their Application to Multiplexed Imaging of Signalling Events in Live Cells. International Journal of Molecular Sciences, 2015, 16, 14695-14716.	4.1	51
12	Crystal Structure of the Human, FIC-Domain Containing Protein HYPE and Implications for Its Functions. Structure, 2014, 22, 1831-1843.	3.3	48
13	Phospholipase C families: Common themes and versatility in physiology and pathology. Progress in Lipid Research, 2020, 80, 101065.	11.6	48
14	Accelerated Optical Projection Tomography Applied to In Vivo Imaging of Zebrafish. PLoS ONE, 2015, 10, e0136213.	2.5	45
15	Severe Autoinflammatory Manifestations and Antibody Deficiency Due to Novel Hypermorphic PLCG2 Mutations. Journal of Clinical Immunology, 2020, 40, 987-1000.	3.8	41
16	Frequent and Persistent PLCG1 Mutations in SÃ©zary Cells Directly Enhance PLCÎ³1 Activity and Stimulate NFÎºB, AP-1, and NFAT Signaling. Journal of Investigative Dermatology, 2020, 140, 380-389.e4.	0.7	25
17	Quantitative in vivo optical tomography of cancer progression & vasculature development in adult zebrafish. Oncotarget, 2016, 7, 43939-43948.	1.8	23
18	Evaluation of phosphopeptide enrichment strategies for quantitative TMT analysis of complex network dynamics in cancer-associated cell signalling. EuPA Open Proteomics, 2015, 6, 10-15.	2.5	15

#	Article	IF	Citations
19	Disease Variants of FGFR3 Reveal Molecular Basis for the Recognition and Additional Roles for Cdc37 in Hsp90 Chaperone System. Structure, 2018, 26, 446-458.e8.	3.3	13
20	Targeting the Src Pathway Enhances the Efficacy of Selective FGFR Inhibitors in Urothelial Cancers with FGFR3 Alterations. International Journal of Molecular Sciences, 2020, 21, 3214.	4.1	11
21	Dynamic Allostery in PLCÎ³1 and Its Modulation by a Cancer Mutation Revealed by MD Simulation and NMR. Biophysical Journal, 2018, 115, 31-45.	0.5	10
22	Unique signalling connectivity of FGFR3-TACC3 oncoprotein revealed by quantitative phosphoproteomics and differential network analysis. Oncotarget, 2017, 8, 102898-102911.	1.8	10
23	Time-resolved FRET reports FGFR1 dimerization and formation of a complex with its effector PLCÎ³1. Advances in Biological Regulation, 2016, 60, 6-13.	2.3	9
24	Characterization of the membrane interactions of phospholipase CÎ³ reveals key features of the active enzyme. Science Advances, 2022, 8, .	10.3	7
25	Conformational transition of FGFR kinase activation revealed by site-specific unnatural amino acid reporter and single molecule FRET. Scientific Reports, 2017, 7, 39841.	3.3	6
26	NMR backbone assignments of the tyrosine kinase domain of human fibroblast growth factor receptor 3 in apo state and in complex with inhibitor PD173074. Biomolecular NMR Assignments, 2018, 12, 231-235.	0.8	2