

Angeline M Lyon

List of Publications by Year in descending order

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27
papers

445
citations

1039406

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16
g-index

29
all docs

29
docs citations

29
times ranked

494
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure and regulation of phospholipase C β and μ at the membrane. Chemistry and Physics of Lipids, 2021, 235, 105050.	1.5	14
2	Understanding molecular mechanism of PLC ϵ regulation by small G α proteins. FASEB Journal, 2021, 35, .	0.2	0
3	Lipids Phospholipase C. , 2021, , 758-765.		0
4	Functional and structural characterization of allosteric activation of phospholipase C μ by Rap1A. Journal of Biological Chemistry, 2020, 295, 16562-16571.	1.6	3
5	Q α ™s the Boss: G β q Regulates Gi-Mediated Calcium Release through PLC β . Molecular Cell, 2020, 80, 933-934.	4.5	2
6	Structure of phospholipase C μ reveals an integrated RA1 domain and previously unidentified regulatory elements. Communications Biology, 2020, 3, 445.	2.0	9
7	G β and the Phospholipase C β 3 X α Y Linker Regulate Adsorption and Activity on Compressed Lipid Monolayers. Biochemistry, 2019, 58, 3454-3467.	1.2	9
8	Intramolecular electrostatic interactions contribute to phospholipase C β 3 autoinhibition. Cellular Signalling, 2019, 62, 109349.	1.7	10
9	Quantifying Acute Fuel and Respiration Dependent pH Homeostasis in Live Cells Using the mCherryTYG Mutant as a Fluorescence Lifetime Sensor. Analytical Chemistry, 2019, 91, 8466-8475.	3.2	8
10	High-resolution structure of RGS17 suggests a role for Ca ²⁺ in promoting the GTPase-activating protein activity by RZ subfamily members. Journal of Biological Chemistry, 2019, 294, 8148-8160.	1.6	2
11	Conformational Dynamics of the PH Domain in Phospholipases C ϵ and β may Contribute to Subfamily-Specific Roles in Regulation. FASEB Journal, 2019, 33, 809.5.	0.2	0
12	Insights into the Role of the Membrane on PLC β and G β q-Mediated Activation and Adsorption. FASEB Journal, 2019, 33, 655.3.	0.2	0
13	Molecular Mechanism of Rap1A-Dependent Activation of PLC ϵ . FASEB Journal, 2019, 33, 809.6.	0.2	0
14	G protein $\beta\gamma$ subunits directly interact with and activate phospholipase C β . Journal of Biological Chemistry, 2018, 293, 6387-6397.	1.6	33
15	Direct observation of conformational dynamics of the PH domain in phospholipases C ϵ and β may contribute to subfamily-specific roles in regulation. Journal of Biological Chemistry, 2018, 293, 17477-17490.	1.6	16
16	Conformational Regulation of Phospholipase C Enzymes. FASEB Journal, 2018, 32, 387.1.	0.2	0
17	Conformational Dynamics Contribute to Phospholipase C β Activity. FASEB Journal, 2018, 32, 686.12.	0.2	0
18	The Mechanistic Role of Metal Ions, Ca ²⁺ and Mg ²⁺ , in RGS: G α Protein Interactions. FASEB Journal, 2018, 32, 557.10.	0.2	0

#	ARTICLE	IF	CITATIONS
19	The Effect of Membrane Composition on PLC β 2 and G β q-mediated Activation. FASEB Journal, 2018, 32, 815.1.	0.2	0
20	Molecular Mechanism of Rap1A-dependent Activation of PLC β . FASEB Journal, 2018, 32, 686.9.	0.2	0
21	Phospholipase C β 2 Membrane Adsorption and Activation Are Regulated by Its C-Terminal Domains and Phosphatidylinositol 4,5-Bisphosphate. Biochemistry, 2017, 56, 5604-5614.	1.2	11
22	Molecular Mechanisms of Phospholipase C β 2 Autoinhibition. Structure, 2014, 22, 1844-1854.	1.6	37
23	Strike a pose: G β q complexes at the membrane. Trends in Pharmacological Sciences, 2014, 35, 23-30.	4.0	31
24	Structural Insights into Phospholipase C- β 2 Function. Molecular Pharmacology, 2013, 84, 488-500.	1.0	105
25	Full-length G β q-phospholipase C- β 2 structure reveals interfaces of the C-terminal coiled-coil domain. Nature Structural and Molecular Biology, 2013, 20, 355-362.	3.6	84
26	Molecular Mechanisms of PLC β 2 Activation. FASEB Journal, 2013, 27, 656.1.	0.2	0
27	An autoinhibitory helix in the C-terminal region of phospholipase C- β 2 mediates G β q activation. Nature Structural and Molecular Biology, 2011, 18, 999-1005.	3.6	71