

Arthur Marivin

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

512
citations

623734

14
h-index

888059

17
g-index

20
all docs

20
docs citations

20
times ranked

539
citing authors

#	ARTICLE	IF	CITATIONS
1	Daple is a novel non-receptor GEF required for trimeric G protein activation in Wnt signaling. <i>ELife</i> , 2015, 4, e07091.	6.0	104
2	Revealing the Activity of Trimeric G-proteins in Live Cells with a Versatile Biosensor Design. <i>Cell</i> , 2020, 182, 770-785.e16.	28.9	58
3	Molecular mechanism of G α i activation by non-GPCR proteins with a G α i-Binding and Activating motif. <i>Nature Communications</i> , 2017, 8, 15163.	12.8	39
4	Integrins activate trimeric G proteins via the nonreceptor protein GIV/Girdin. <i>Journal of Cell Biology</i> , 2015, 210, 1165-1184.	5.2	37
5	Evolutionary Conservation of a GPCR-Independent Mechanism of Trimeric G Protein Activation. <i>Molecular Biology and Evolution</i> , 2016, 33, 820-837.	8.9	32
6	When Heterotrimeric G Proteins Are Not Activated by G Protein-Coupled Receptors: Structural Insights and Evolutionary Conservation. <i>Biochemistry</i> , 2018, 57, 255-257.	2.5	31
7	Dominant-negative G α i subunits are a mechanism of dysregulated heterotrimeric G protein signaling in human disease. <i>Science Signaling</i> , 2016, 9, ra37.	3.6	28
8	Atypical activation of the G protein G α q by the oncogenic mutation Q209P. <i>Journal of Biological Chemistry</i> , 2018, 293, 19586-19599.	3.4	28
9	GIV/Girdin (G α i-interacting, Vesicle-associated Protein/Girdin) Creates a Positive Feedback Loop That Potentiates Outside-in Integrin Signaling in Cancer Cells. <i>Journal of Biological Chemistry</i> , 2016, 291, 8269-8282.	3.4	25
10	Specific inhibition of GPCR-independent G protein signaling by a rationally engineered protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E10319-E10328.	7.1	21
11	GPCR-independent activation of G proteins promotes apical cell constriction in vivo. <i>Journal of Cell Biology</i> , 2019, 218, 1743-1763.	5.2	21
12	Membrane Recruitment of the Non-receptor Protein GIV/Girdin (G α i-interacting, Vesicle-associated) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 <i>Journal of Biological Chemistry</i> , 2016, 291, 27098-27111.	3.4	20
13	DAPLE and MPDZ bind to each other and cooperate to promote apical cell constriction. <i>Molecular Biology of the Cell</i> , 2019, 30, 1900-1910.	2.1	20
14	Different Biochemical Properties Explain Why Two Equivalent G α i Subunit Mutants Cause Unrelated Diseases. <i>Journal of Biological Chemistry</i> , 2014, 289, 21818-21827.	3.4	16
15	DAPLE protein inhibits nucleotide exchange on G α s and G α q via the same motif that activates G α i. <i>Journal of Biological Chemistry</i> , 2020, 295, 2270-2284.	3.4	14
16	Optogenetic activation of heterotrimeric G-proteins by LOV2GIVe, a rationally engineered modular protein. <i>ELife</i> , 2020, 9, .	6.0	14
17	DAPLE orchestrates apical actomyosin assembly from junctional polarity complexes. <i>Journal of Cell Biology</i> , 2022, 221, .	5.2	4
18	Evolutionarily Divergent Proteins Utilize the G(alpha)â€œBinding and Activating Motif as a Conserved Module for Trimeric G Protein Activation. <i>FASEB Journal</i> , 2015, 29, 893.3.	0.5	0