

Andrei V Karginov

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,049
citations

567281

15
h-index

477307

29
g-index

31
all docs

31
docs citations

31
times ranked

1578
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineered allosteric activation of kinases in living cells. <i>Nature Biotechnology</i> , 2010, 28, 743-747.	17.5	177
2	Spatial and Temporal Regulation of Focal Adhesion Kinase Activity in Living Cells. <i>Molecular and Cellular Biology</i> , 2008, 28, 201-214.	2.3	157
3	Light Regulation of Protein Dimerization and Kinase Activity in Living Cells Using Photocaged Rapamycin and Engineered FKBP. <i>Journal of the American Chemical Society</i> , 2011, 133, 420-423.	13.7	140
4	Src-dependent phosphorylation of caveolin-1 Tyr-14 promotes swelling and release of caveolae. <i>Molecular Biology of the Cell</i> , 2016, 27, 2090-2106.	2.1	98
5	Piezo1 mediates angiogenesis through activation of MT1-MMP signaling. <i>American Journal of Physiology - Cell Physiology</i> , 2019, 316, C92-C103.	4.6	97
6	Engineered kinase activation reveals unique morphodynamic phenotypes and associated trafficking for Src family isoforms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 12420-12425.	7.1	47
7	Dissecting motility signaling through activation of specific Src-effector complexes. <i>Nature Chemical Biology</i> , 2014, 10, 286-290.	8.0	44
8	G α_{13} /PDZ-RhoGEF/RhoA Signaling Is Essential for Gastrin-Releasing Peptide Receptor-Mediated Colon Cancer Cell Migration. <i>Molecular Pharmacology</i> , 2014, 86, 252-262.	2.3	32
9	Light-regulated allosteric switch enables temporal and subcellular control of enzyme activity. <i>ELife</i> , 2020, 9, .	6.0	32
10	UCR1C is a novel activator of phosphodiesterase 4 (PDE4) long isoforms and attenuates cardiomyocyte hypertrophy. <i>Cellular Signalling</i> , 2015, 27, 908-922.	3.6	29
11	Phosphorylation-mediated regulation of GEFs for RhoA. <i>Cell Adhesion and Migration</i> , 2014, 8, 11-18.	2.7	26
12	Engineering Pak1 Allosteric Switches. <i>ACS Synthetic Biology</i> , 2017, 6, 1257-1262.	3.8	26
13	The interaction of G α_{13} with integrin β_1 mediates cell migration by dynamic regulation of RhoA. <i>Molecular Biology of the Cell</i> , 2015, 26, 3658-3670.	2.1	25
14	Time-Variant SRC Kinase Activation Determines Endothelial Permeability Response. <i>Cell Chemical Biology</i> , 2019, 26, 1081-1094.e6.	5.2	22
15	Optogenetics: The Art of Illuminating Complex Signaling Pathways. <i>Physiology</i> , 2021, 36, 52-60.	3.1	15
16	Allosteric Activation of Kinases: Design and Application of RapR Kinases. <i>Current Protocols in Cell Biology</i> , 2011, 53, Unit 14.13..	2.3	14
17	Sphingolipids Signaling in Lamellipodia Formation and Enhancement of Endothelial Barrier Function. <i>Current Topics in Membranes</i> , 2018, 82, 1-31.	0.9	12
18	Mimicking transient activation of protein kinases in living cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 14976-14981.	7.1	10

#	ARTICLE	IF	CITATIONS
19	Septin2 mediates podosome maturation and endothelial cell invasion associated with angiogenesis. <i>Journal of Cell Biology</i> , 2020, 219, .	5.2	10
20	Characterization of an Engineered Src Kinase to Study Src Signaling and Biology. <i>Methods in Molecular Biology</i> , 2016, 1360, 157-167.	0.9	6
21	Förster resonance energy transfer biosensors for fluorescence and time-gated luminescence analysis of rac1 activity. <i>Scientific Reports</i> , 2022, 12, 5291.	3.3	5
22	Engineered Allosteric Regulation of Protein Function. <i>Journal of Molecular Biology</i> , 2022, 434, 167620.	4.2	5
23	Inhibition of <i>Clostridium perfringens</i> epsilon toxin by β -cyclodextrin derivatives. <i>International Journal of Pharmaceutics</i> , 2017, 531, 714-717.	5.2	4
24	Optochemical Activation of Kinase Function in Live Cells. <i>Methods in Molecular Biology</i> , 2014, 1148, 31-43.	0.9	4
25	Tyrosine phosphorylation of S1PR1 leads to chaperone BiP-mediated import to the endoplasmic reticulum. <i>Journal of Cell Biology</i> , 2021, 220, .	5.2	3
26	PKC δ -mediated serine/threonine phosphorylations of FAK govern adhesion and protrusion dynamics within the lamellipodia of migrating breast cancer cells. <i>Cancer Letters</i> , 2022, 526, 112-130.	7.2	3
27	Methods for assessment of membrane protrusion dynamics. <i>Current Topics in Membranes</i> , 2021, 88, 205-234.	0.9	3
28	Dissecting protein tyrosine phosphatase signaling by engineered chemogenetic control of its activity. <i>Journal of Cell Biology</i> , 2022, 221, .	5.2	2
29	Dissecting Kinase Effector Signaling Using the RapRTAP Methodology. <i>Methods in Molecular Biology</i> , 2017, 1636, 21-33.	0.9	1
30	Myosin Light Chain Kinase ϵ 210 Induces ER α PM Junctions and STIM1 Puncta Formation to Augment Store α Operated Ca ²⁺ Entry. <i>FASEB Journal</i> , 2018, 32, 865.1.	0.5	0