Kwang-jin Cho

List of Publications by Year
in descending order

35 papers	1,904 citations	331670 21 h-index	395702 33 g-index
37 all docs	37 docs citations	37 times ranked	2298 citing authors

#	Article	IF	Citations
1	Membrane potential modulates plasma membrane phospholipid dynamics and K-Ras signaling. Science, 2015, 349, 873-876.	12.6	243
2	Lipid-Sorting Specificity Encoded in K-Ras Membrane Anchor Regulates Signal Output. Cell, 2017, 168, 239-251.e16.	28.9	235
3	Andrographolide derivatives inhibit guanine nucleotide exchange and abrogate oncogenic Ras function. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 10201-10206.	7.1	134
4	Constitutive Formation of Caveolae in a Bacterium. Cell, 2012, 150, 752-763.	28.9	126
5	Fendiline Inhibits K-Ras Plasma Membrane Localization and Blocks K-Ras Signal Transmission. Molecular and Cellular Biology, 2013, 33, 237-251.	2.3	94
6	Inhibition of Acid Sphingomyelinase Depletes Cellular Phosphatidylserine and Mislocalizes K-Ras from the Plasma Membrane. Molecular and Cellular Biology, 2016, 36, 363-374.	2.3	92
7	Staurosporines Disrupt Phosphatidylserine Trafficking and Mislocalize Ras Proteins. Journal of Biological Chemistry, 2012, 287, 43573-43584.	3.4	89
8	Computational and biochemical characterization of two partially overlapping interfaces and multiple weak-affinity K-Ras dimers. Scientific Reports, 2017, 7, 40109.	3.3	85
9	Spatiotemporal Analysis of K-Ras Plasma Membrane Interactions Reveals Multiple High Order Homo-oligomeric Complexes. Journal of the American Chemical Society, 2017, 139, 13466-13475.	13.7	73
10	Discovery of High-Affinity Noncovalent Allosteric KRAS Inhibitors That Disrupt Effector Binding. ACS Omega, 2019, 4, 2921-2930.	3.5	67
11	Lipidomic atlas of mammalian cell membranes reveals hierarchical variation induced by culture conditions, subcellular membranes, and cell lineages. Soft Matter, 2021, 17, 288-297.	2.7	66
12	Raf Inhibitors Target Ras Spatiotemporal Dynamics. Current Biology, 2012, 22, 945-955.	3.9	65
13	HRASâ€driven cancer cells are vulnerable to TRPML1 inhibition. EMBO Reports, 2019, 20, .	4.5	59
14	AMPK and Endothelial Nitric Oxide Synthase Signaling Regulates K-Ras Plasma Membrane Interactions via Cyclic GMP-Dependent Protein Kinase 2. Molecular and Cellular Biology, 2016, 36, 3086-3099.	2.3	57
15	Nonsteroidal Anti-inflammatory Drugs Alter the Spatiotemporal Organization of Ras Proteins on the Plasma Membrane. Journal of Biological Chemistry, 2012, 287, 16586-16595.	3.4	51
16	Computational Equilibrium Thermodynamic and Kinetic Analysis of K-Ras Dimerization through an Effector Binding Surface Suggests Limited Functional Role. Journal of Physical Chemistry B, 2016, 120, 8547-8556.	2.6	45
17	Sphingomyelin Metabolism Is a Regulator of K-Ras Function. Molecular and Cellular Biology, 2018, 38, .	2.3	40
18	Therapeutic Levels of the Hydroxmethylglutaryl-Coenzyme A Reductase Inhibitor Lovastatin Activate Ras Signaling via Phospholipase D2. Molecular and Cellular Biology, 2011, 31, 1110-1120.	2.3	36

#	Article	IF	Citations
19	Approaches to inhibiting oncogenic K-Ras. Small GTPases, 2021, 12, 96-105.	1.6	29
20	Deubiquitinase USP18 Loss Mislocalizes and Destabilizes KRAS in Lung Cancer. Molecular Cancer Research, 2017, 15, 905-914.	3.4	28
21	Rare <i>Streptomyces N</i>-Formyl Amino-salicylamides Inhibit Oncogenic K-Ras. Organic Letters, 2014, 16, 5036-5039.	4.6	26
22	The G proteinâ€“coupled receptor GPR31 promotes membrane association of KRAS. Journal of Cell Biology, 2017, 216, 2329-2338.	5.2	24
23	Ras nanoclusters. Small GTPases, 2013, 4, 57-60.	1.6	22
24	An oxanthroquinone derivative that disrupts RAS plasma membrane localization inhibits cancer cell growth. Journal of Biological Chemistry, 2018, 293, 13696-13706.	3.4	20
25	Acylpeptide hydrolase is a novel regulator of KRAS plasma membrane localization and function. Journal of Cell Science, 2019, 132, .	2.0	16
26	Rare Streptomyces sp. polyketides as modulators of K-Ras localisation. Organic and Biomolecular Chemistry, 2014, 12, 4872-4878.	2.8	15
27	Inhibitors of K-Ras Plasma Membrane Localization. The Enzymes, 2013, 33 Pt A, 249-265.	1.7	13
28	Depletion of phosphatidylinositol 4-phosphate at the Golgi translocates K-Ras to mitochondria. Journal of Cell Science, 2019, 132, .	2.0	12
29	Avicin G is a potent sphingomyelinase inhibitor and blocks oncogenic K- and H-Ras signaling. Scientific Reports, 2020, 10, 9120.	3.3	11
30	Blocking K-Ras Interaction With the Plasma Membrane Is a Tractable Therapeutic Approach to Inhibit Oncogenic K-Ras Activity. Frontiers in Molecular Biosciences, 2021, 8, 673096.	3.5	9
31	Staurosporine. Communicative and Integrative Biology, 2013, 6, e24746.	1.4	8
32	Chalcones bearing a 3,4,5-trimethoxyphenyl motif are capable of selectively inhibiting oncogenic K-Ras signaling. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 127144.	2.2	7
33	Scaffold repurposing of fendiline: Identification of potent KRAS plasma membrane localization inhibitors. European Journal of Medicinal Chemistry, 2021, 217, 113381.	5.5	7
34	Augmentation of Interactions between Dimers Stabilizes Higher Order Oligomers of Membrane-Bound K-Ras: A Single Molecule Perspective. Biophysical Journal, 2017, 112, 504a-505a.	0.5	0
35	Editorial: Ras and Other GTPases in Cancer: From Basic to Applied Research. Frontiers in Molecular Biosciences, 2021, 8, 804818.	3.5	0