Jongyun Heo

List of Publications by Year in descending order

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21	726	687220 13	713332 21
papers	citations	h-index	g-index

21	21	21	807
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mechanism of Redox-mediated Guanine Nucleotide Exchange on Redox-active Rho GTPases. Journal of Biological Chemistry, 2005, 280, 31003-31010.	1.6	109
2	Mechanism of p21RasS-Nitrosylation and Kinetics of Nitric Oxide-Mediated Guanine Nucleotide Exchangeâ€. Biochemistry, 2004, 43, 2314-2322.	1.2	83
3	Redox Regulation of RhoA. Biochemistry, 2006, 45, 14481-14489.	1.2	74
4	Mechanism of Free Radical Nitric Oxide-mediated Ras Guanine Nucleotide Dissociation. Journal of Molecular Biology, 2005, 346, 1423-1440.	2.0	66
5	Redox Control of GTPases: From Molecular Mechanisms to Functional Significance in Health and Disease. Antioxidants and Redox Signaling, 2011, 14, 689-724.	2.5	57
6	Superoxide Anion Radical Modulates the Activity of Ras and Ras-related GTPases by a Radical-based Mechanism Similar to That of Nitric Oxide. Journal of Biological Chemistry, 2005, 280, 12438-12445.	1.6	51
7	Ras Regulation by Reactive Oxygen and Nitrogen Species. Biochemistry, 2006, 45, 2200-2210.	1.2	51
8	Recognition and Activation of Rho GTPases by Vav1 and Vav2 Guanine Nucleotide Exchange Factorsâ€. Biochemistry, 2005, 44, 6573-6585.	1.2	46
9	Kinetic Mechanisms of Mutation-Dependent Harvey Ras Activation and Their Relevance for the Development of Costello Syndrome. Biochemistry, 2013, 52, 8465-8479.	1.2	39
10	Converting the NiFeS Carbon Monoxide Dehydrogenase to a Hydrogenase and a Hydroxylamine Reductase. Journal of Bacteriology, 2002, 184, 5894-5897.	1.0	36
11	Thiopurine Prodrugs Mediate Immunosuppressive Effects by Interfering with Rac1 Protein Function. Journal of Biological Chemistry, 2016, 291, 13699-13714.	1.6	32
12	Regulation of 2-carboxy-d-arabinitol 1-phosphate phosphatase: activation by glutathione and interaction with thiol reagents. Biochemical Journal, 1999, 338, 409-416.	1.7	16
13	Redox regulation of Ran GTPase. Biochemical and Biophysical Research Communications, 2008, 376, 568-572.	1.0	15
14	Rac-dependent feedforward autoactivation of NOX2 leads to oxidative burst. Journal of Biological Chemistry, 2021, 297, 100982.	1.6	13
15	pH-Dependent Perturbation of Rasâ”Guanine Nucleotide Interactions and Ras Guanine Nucleotide Exchangeâ€. Biochemistry, 2004, 43, 10102-10111.	1.2	9
16	Development of Noonan syndrome by deregulation of allosteric SOS autoactivation. Journal of Biological Chemistry, 2020, 295, 13651-13663.	1.6	6
17	Allosteric autoactivation of SOS and its kinetic mechanism. Small GTPases, 2021, 12, 44-59.	0.7	6
18	Kinetic Mechanism of Formation of Hyperactive Embryonic Ras in Cells. Biochemistry, 2016, 55, 543-559.	1.2	5

#	Article	IF	Citations
19	Insight into the 6-Thiopurine-Mediated Termination of the Invasive Motility of Tumor Cells Derived from Inflammatory Breast Cancer. Biochemistry, 2011, 50, 5731-5742.	1.2	4
20	Superoxide Inhibits Guanine Nucleotide Exchange Factor (GEF) Action on Ras, but not on Rho, through Desensitization of Ras to GEF. Biochemistry, 2014, 53, 518-532.	1.2	4
21	Ras-Targeting Action of Thiopurines in the Presence of Reactive Nitrogen Species. Biochemistry, 2010, 49, 3965-3976.	1.2	4