Feng Rao

List of Publications by Year
in descending order

30 papers	1,727 citations	331670 21 h-index	454955 30 g-index
30 all docs	30 docs citations	30 times ranked	2809 citing authors

#	Article	IF	Citations
1	Sulfhydration mediates neuroprotective actions of parkin. Nature Communications, 2013, 4, 1626.	12.8	265
2	YybT Is a Signaling Protein That Contains a Cyclic Dinucleotide Phosphodiesterase Domain and a GGDEF Domain with ATPase Activity. Journal of Biological Chemistry, 2010, 285, 473-482.	3.4	231
3	Catalytic Mechanism of Cyclic Di-GMP-Specific Phosphodiesterase: a Study of the EAL Domain-Containing RocR fromPseudomonas aeruginosa. Journal of Bacteriology, 2008, 190, 3622-3631.	2.2	224
4	Inositol Pyrophosphates Mediate the DNA-PK/ATM-p53 Cell Death Pathway by Regulating CK2 Phosphorylation of Tti1/Tel2. Molecular Cell, 2014, 54, 119-132.	9.7	103
5	The Functional Role of a Conserved Loop in EAL Domain-Based Cyclic di-GMP-Specific Phosphodiesterase. Journal of Bacteriology, 2009, 191, 4722-4731.	2.2	100
6	Inositol pyrophosphates promote tumor growth and metastasis by antagonizing liver kinase B1. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 1773-1778.	7.1	84
7	Enzymatic synthesis of c-di-GMP using a thermophilic diguanylate cyclase. Analytical Biochemistry, 2009, 389, 138-142.	2.4	83
8	A Flavin Cofactor-Binding PAS Domain Regulates c-di-GMP Synthesis in AxDGC2 from Acetobacter xylinum. Biochemistry, 2009, 48, 10275-10285.	2.5	79
9	Unusual Heme-Binding PAS Domain from YybT Family Proteins. Journal of Bacteriology, 2011, 193, 1543-1551.	2.2	60
10	Structural Insights into the Regulatory Mechanism of the Response Regulator RocR from Pseudomonas aeruginosa in Cyclic Di-GMP Signaling. Journal of Bacteriology, 2012, 194, 4837-4846.	2.2	57
11	Inositol hexakisphosphate kinase-1 mediates assembly/disassembly of the CRL4â€“signalosome complex to regulate DNA repair and cell death. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 16005-16010.	7.1	46
12	Inositol Polyphosphate Multikinase Is a Coactivator of p53-Mediated Transcription and Cell Death. Science Signaling, 2013, 6, ra22.	3.6	45
13	Dexras1 mediates glucocorticoid-associated adipogenesis and diet-induced obesity. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 20575-20580.	7.1	39
14	Inositol polyphosphate multikinase is a transcriptional coactivator required for immediate early gene induction. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 16181-16186.	7.1	33
15	Inositol hexakisphosphate (IP6) generated by IP5K mediates cullin-COP9 signalosome interactions and CRL function. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 3503-3508.	7.1	33
16	TRPV1 is a physiological regulator of Î¼-opioid receptors. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 13561-13566.	7.1	30
17	2â€²,3â€²-cAMP hydrolysis by metal-dependent phosphodiesterases containing DHH, EAL, and HD domains is non-specific: Implications for PDE screening. Biochemical and Biophysical Research Communications, 2010, 398, 500-505.	2.1	28
18	Solution Structure of the PAS Domain of a Thermophilic YybT Protein Homolog Reveals a Potential Ligand-binding Site. Journal of Biological Chemistry, 2013, 288, 11949-11959.	3.4	27

#	Article	IF	Citations
19	Basis for metabolite-dependent Cullin-RING ligase deneddylation by the COP9 signalosome. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 4117-4124.	7.1	27
20	Expression, purification and characterization of the acyl carrier protein phosphodiesterase from Pseudomonas Aeruginosa. Protein Expression and Purification, 2010, 71, 132-138.	1.3	23
21	ATP Binding to p97/VCP D1 Domain Regulates Selective Recruitment of Adaptors to Its Proximal N-Domain. PLoS ONE, 2012, 7, e50490.	2.5	23
22	Medaka tert produces multiple variants with differential expression during differentiation in vitro and in vivo. International Journal of Biological Sciences, 2011, 7, 426-439.	6.4	14
23	Inositol Polyphosphate Multikinase Inhibits Angiogenesis via Inositol Pentakisphosphate-Induced HIF-1Î± Degradation. Circulation Research, 2018, 122, 457-472.	4.5	14
24	Cullin-RING Ligase Regulation by the COP9 Signalosome: Structural Mechanisms and New Physiologic Players. Advances in Experimental Medicine and Biology, 2020, 1217, 47-60.	1.6	13
25	5-IP7 is a GPCR messenger mediating neural control of synaptotagmin-dependent insulin exocytosis and glucose homeostasis. Nature Metabolism, 2021, 3, 1400-1414.	11.9	13
26	IP6-assisted CSN-COP1 competition regulates a CRL4-ETV5 proteolytic checkpoint to safeguard glucose-induced insulin secretion. Nature Communications, 2021, 12, 2461.	12.8	11
27	Are Inositol Polyphosphates the Missing Link in Dynamic Cullin RING Ligase Regulation by the COP9 Signalosome?. Biomolecules, 2019, 9, 349.	4.0	9
28	Suramin and NF449 are IP5K inhibitors that disrupt inositol hexakisphosphateâ€“mediated regulation of cullinâ€“RING ligase and sensitize cancer cells to MLN4924/pevonedistat. Journal of Biological Chemistry, 2020, 295, 10281-10292.	3.4	8
29	Expression, purification and preliminary crystallographic analysis ofPseudomonas aeruginosaRocR protein. Acta Crystallographica Section F: Structural Biology Communications, 2009, 65, 1035-1038.	0.7	4
30	Role of NEDD8 and neddylation dynamics in DNA damage response. Genome Instability & Disease, 2021, 2, 139-149.	1.1	1