Daniel G Isom

List of Publications by Year
in descending order

21 papers	1,352 citations	567281 15 h-index	794594 19 g-index
24 all docs	24 docs citations	24 times ranked	2320 citing authors

#	Article	IF	Citations
1	Protonâ€gated Coincidence Detection is a Common Feature of GPCR Signaling. FASEB Journal, 2022, 36, .	0.5	0
2	The evolution and mechanism of GPCR proton sensing. Journal of Biological Chemistry, 2021, 296, 100167.	3.4	28
3	One Year of SARS-CoV-2: How Much Has the Virus Changed?. Biology, 2021, 10, 91.	2.8	91
4	Predictable cholesterol binding sites in GPCRs lack consensus motifs. Structure, 2021, 29, 499-506.e3.	3.3	45
5	Proton-gated coincidence detection is a common feature of GPCR signaling. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	11
6	CRISPR-addressable yeast strains with applications in human G proteinâ€“coupled receptor profiling and synthetic biology. Journal of Biological Chemistry, 2020, 295, 8262-8271.	3.4	12
7	An acidic residue buried in the dimer interface of isocitrate dehydrogenase 1 (IDH1) helps regulate catalysis and pH sensitivity. Biochemical Journal, 2020, 477, 2999-3018.	3.7	8
8	Mutations in ATP1A1 Cause Dominant Charcot-Marie-Tooth Type 2. American Journal of Human Genetics, 2018, 102, 505-514.	6.2	59
9	Coordinated regulation of intracellular pH by two glucose-sensing pathways in yeast. Journal of Biological Chemistry, 2018, 293, 2318-2329.	3.4	28
10	Amino acid metabolites that regulate G protein signaling during osmotic stress. PLoS Genetics, 2017, 13, e1006829.	3.5	16
11	Regulation of Ras Paralog Thermostability by Networks of Buried Ionizable Groups. Biochemistry, 2016, 55, 534-542.	2.5	10
12	Buried ionizable networks are an ancient hallmark of G protein-coupled receptor activation. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 5702-5707.	7.1	38
13	Protons as Second Messenger Regulators of G Protein Signaling. Molecular Cell, 2013, 51, 531-538.	9.7	70
14	Differences in the Regulation of K-Ras and H-Ras Isoforms by Monoubiquitination. Journal of Biological Chemistry, 2013, 288, 36856-36862.	3.4	65
15	Protons as second messenger regulators of cell signaling. FASEB Journal, 2013, 27, 598.10.	0.5	0
16	A miniaturized technique for assessing protein thermodynamics and function using fast determination of quantitative cysteine reactivity. Proteins: Structure, Function and Bioinformatics, 2011, 79, 1034-1047.	2.6	26
17	Large shifts in pK _a values of lysine residues buried inside a protein. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 5260-5265.	7.1	379
18	Charges in the hydrophobic interior of proteins. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 16096-16100.	7.1	195

#	Article	IF	Citations
19	Picomole-scale characterization of protein stability and function by quantitative cysteine reactivity. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 4908-4913.	7.1	24
20	The pKa Values of Acidic and Basic Residues Buried at the Same Internal Location in a Protein Are Governed by Different Factors. Journal of Molecular Biology, 2009, 389, 34-47.	4.2	120
21	High tolerance for ionizable residues in the hydrophobic interior of proteins. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 17784-17788.	7.1	120