

# Matthew R Whorton

## List of Publications by Year in descending order

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17  
papers

2,403  
citations

840776

11  
h-index

888059

17  
g-index

20  
all docs

20  
docs citations

20  
times ranked

3612  
citing authors

#	ARTICLE	IF	CITATIONS
1	A monomeric G protein-coupled receptor isolated in a high-density lipoprotein particle efficiently activates its G protein. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 7682-7687.	7.1	593
2	Crystal Structure of the Mammalian GIRK2 K <sup>+</sup> Channel and Gating Regulation by G Proteins, PIP <sub>2</sub> , and Sodium. Cell, 2011, 147, 199-208.	28.9	422
3	Quantitative analysis of mammalian GIRK2 channel regulation by G proteins, the signaling lipid PIP <sub>2</sub> and Na <sup>+</sup> in a reconstituted system. ELife, 2014, 3, e03671.	6.0	365
4	X-ray structure of the mammalian GIRK2-G-protein complex. Nature, 2013, 498, 190-197.	27.8	281
5	Efficient Coupling of Transducin to Monomeric Rhodopsin in a Phospholipid Bilayer. Journal of Biological Chemistry, 2008, 283, 4387-4394.	3.4	233
6	The effect of ligand efficacy on the formation and stability of a GPCR-G protein complex. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 9501-9506.	7.1	218
7	SUMO modification regulates inactivation of the voltage-gated potassium channel Kv1.5. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 1805-1810.	7.1	131
8	Real-time Detection of Basal and Stimulated G Protein GTPase Activity Using Fluorescent GTP Analogues. Journal of Biological Chemistry, 2005, 280, 7712-7719.	3.4	41
9	Chemical and Functional Analysis of Hydroxyurea Oral Solutions. Journal of Pediatric Hematology/Oncology, 2004, 26, 179-184.	0.6	37
10	ARF6 activation by G <sub>12q</sub> signaling: G <sub>12q</sub> forms molecular complexes with ARNO and ARF6. Cellular Signalling, 2006, 18, 1988-1994.	3.6	27
11	Structural basis for mammalian nucleotide sugar transport. ELife, 2019, 8, .	6.0	25
12	Identification of hemochromatosis gene polymorphisms in chronically transfused patients with sickle cell disease. American Journal of Hematology, 2003, 74, 243-248.	4.1	12
13	The promiscuous binding pocket of SLC35A1 ensures redundant transport of CDP-ribitol to the Golgi. Journal of Biological Chemistry, 2021, 296, 100789.	3.4	6
14	A CE assay for the detection of agonist-stimulated adenylyl cyclase activity. Electrophoresis, 2007, 28, 1913-1920.	2.4	4
15	Inhibition of CMP-sialic acid transport by endogenous 5-methyl CMP. PLoS ONE, 2021, 16, e0249905.	2.5	2
16	In vitro Measurement of CMP-Sialic Acid Transporter Activity in Reconstituted Proteoliposomes. Bio-protocol, 2020, 10, e3551.	0.4	2
17	Calcium-activated proteins visualized. Nature, 2014, 516, 176-178.	27.8	1