

# 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	The promiscuous binding pocket of SLC35A1 ensures redundant transport of CDP-ribitol to the Golgi. <i>Journal of Biological Chemistry</i> , 2021, 296, 100789.	3.4	6
2	Inhibition of CMP-sialic acid transport by endogenous 5-methyl CMP. <i>PLoS ONE</i> , 2021, 16, e0249905.	2.5	2
3	In vitro Measurement of CMP-Sialic Acid Transporter Activity in Reconstituted Proteoliposomes. <i>Bio-protocol</i> , 2020, 10, e3551.	0.4	2
4	Structural basis for mammalian nucleotide sugar transport. <i>ELife</i> , 2019, 8, .	6.0	25
5	Quantitative analysis of mammalian GIRK2 channel regulation by G proteins, the signaling lipid PIP2 and Na <sup>+</sup> in a reconstituted system. <i>ELife</i> , 2014, 3, e03671.	6.0	365
6	Calcium-activated proteins visualized. <i>Nature</i> , 2014, 516, 176-178.	27.8	1
7	X-ray structure of the mammalian GIRK2-G-protein complex. <i>Nature</i> , 2013, 498, 190-197.	27.8	281
8	Crystal Structure of the Mammalian GIRK2 K <sup>+</sup> Channel and Gating Regulation by G Proteins, PIP2, and Sodium. <i>Cell</i> , 2011, 147, 199-208.	28.9	422
9	The effect of ligand efficacy on the formation and stability of a GPCR-G protein complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 9501-9506.	7.1	218
10	Efficient Coupling of Transducin to Monomeric Rhodopsin in a Phospholipid Bilayer. <i>Journal of Biological Chemistry</i> , 2008, 283, 4387-4394.	3.4	233
11	A monomeric G protein-coupled receptor isolated in a high-density lipoprotein particle efficiently activates its G protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 7682-7687.	7.1	593
12	SUMO modification regulates inactivation of the voltage-gated potassium channel Kv1.5. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 1805-1810.	7.1	131
13	A CE assay for the detection of agonist-stimulated adenylyl cyclase activity. <i>Electrophoresis</i> , 2007, 28, 1913-1920.	2.4	4
14	ARF6 activation by G <sub>i</sub> q signaling: G <sub>i</sub> q forms molecular complexes with ARNO and ARF6. <i>Cellular Signalling</i> , 2006, 18, 1988-1994.	3.6	27
15	Real-time Detection of Basal and Stimulated G Protein GTPase Activity Using Fluorescent GTP Analogues. <i>Journal of Biological Chemistry</i> , 2005, 280, 7712-7719.	3.4	41
16	Chemical and Functional Analysis of Hydroxyurea Oral Solutions. <i>Journal of Pediatric Hematology/Oncology</i> , 2004, 26, 179-184.	0.6	37
17	Identification of hemochromatosis gene polymorphisms in chronically transfused patients with sickle cell disease. <i>American Journal of Hematology</i> , 2003, 74, 243-248.	4.1	12