Robert A Saxton

List of Publications by Year in Descending Order

13 papers	4,851 citations	11 h-index	15 g-index
15 ext. papers	6,337 ext. citations	32.3 avg, IF	6.74 L-index

#	Paper	IF	Citations
13	Structure of a Janus kinase cytokine receptor complex reveals the basis for dimeric activation.. *Science*, **2022**, 376, eabn8933	33.3	11
12	Structure-based decoupling of the pro- and anti-inflammatory functions of interleukin-10. *Science*, **2021**, 371,	33.3	19
11	The tissue protective functions of interleukin-22 can be decoupled from pro-inflammatory actions through structure-based design. *Immunity*, **2021**, 54, 660-672.e9	32.3	11
10	Topological control of cytokine receptor signaling induces differential effects in hematopoiesis. *Science*, **2019**, 364,	33.3	47
9	Dimerization quality control ensures neuronal development and survival. *Science*, **2018**, 362,	33.3	35
8	mTOR Signaling in Growth, Metabolism, and Disease. *Cell*, **2017**, 168, 960-976	56.2	2725
7	SAMTOR is an -adenosylmethionine sensor for the mTORC1 pathway. *Science*, **2017**, 358, 813-818	33.3	235
6	Sestrin2 is a leucine sensor for the mTORC1 pathway. *Science*, **2016**, 351, 43-8	33.3	619
5	The apo-structure of the leucine sensor Sestrin2 is still elusive. *Science Signaling*, **2016**, 9, ra92	8.8	18
4	The CASTOR Proteins Are Arginine Sensors for the mTORC1 Pathway. *Cell*, **2016**, 165, 153-164	56.2	411
3	Structural basis for leucine sensing by the Sestrin2-mTORC1 pathway. *Science*, **2016**, 351, 53-8	33.3	249
2	Mechanism of arginine sensing by CASTOR1 upstream of mTORC1. *Nature*, **2016**, 536, 229-33	50.4	164
1	The Sestrins interact with GATOR2 to negatively regulate the amino-acid-sensing pathway upstream of mTORC1. *Cell Reports*, **2014**, 9, 1-8	10.6	305