

Robert A Saxton

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

8,035
citations

623188

14
h-index

996533

15
g-index

15
all docs

15
docs citations

15
times ranked

13650
citing authors

#	ARTICLE	IF	CITATIONS
1	mTOR Signaling in Growth, Metabolism, and Disease. <i>Cell</i> , 2017, 168, 960-976.	13.5	4,800
2	Sestrin2 is a leucine sensor for the mTORC1 pathway. <i>Science</i> , 2016, 351, 43-48.	6.0	901
3	The CASTOR Proteins Are Arginine Sensors for the mTORC1 Pathway. <i>Cell</i> , 2016, 165, 153-164.	13.5	598
4	The Sestrins Interact with GATOR2 to Negatively Regulate the Amino-Acid-Sensing Pathway Upstream of mTORC1. <i>Cell Reports</i> , 2014, 9, 1-8.	2.9	394
5	SAMTOR is an S-adenosylmethionine sensor for the mTORC1 pathway. <i>Science</i> , 2017, 358, 813-818.	6.0	384
6	Structural basis for leucine sensing by the Sestrin2-mTORC1 pathway. <i>Science</i> , 2016, 351, 53-58.	6.0	340
7	Mechanism of arginine sensing by CASTOR1 upstream of mTORC1. <i>Nature</i> , 2016, 536, 229-233.	13.7	224
8	Topological control of cytokine receptor signaling induces differential effects in hematopoiesis. <i>Science</i> , 2019, 364, .	6.0	89
9	Structure-based decoupling of the pro- and anti-inflammatory functions of interleukin-10. <i>Science</i> , 2021, 371, .	6.0	79
10	Structure of a Janus kinase cytokine receptor complex reveals the basis for dimeric activation. <i>Science</i> , 2022, 376, 163-169.	6.0	78
11	Dimerization quality control ensures neuronal development and survival. <i>Science</i> , 2018, 362, .	6.0	56
12	The tissue protective functions of interleukin-22 can be decoupled from pro-inflammatory actions through structure-based design. <i>Immunity</i> , 2021, 54, 660-672.e9.	6.6	36
13	Structure of the nutrient-sensing hub GATOR2. <i>Nature</i> , 2022, 607, 610-616.	13.7	32
14	The apo-structure of the leucine sensor Sestrin2 is still elusive. <i>Science Signaling</i> , 2016, 9, ra92.	1.6	21
15	Cryo-EM structure of the IL-10 receptor complex provides a blueprint for ligand engineering. <i>FEBS Journal</i> , 2022, 289, 8032-8036.	2.2	3