Kole T Roybal

List of Publications by Citations

20 papers	2,088 citations	13 h-index	23 g-index
23 ext. papers	2,778 ext. citations	27.6 avg, IF	5.12 L-index

#	Paper	IF	Citations
20	Precision Tumor Recognition by T Cells With Combinatorial Antigen-Sensing Circuits. *Cell*, **2016**, 164, 770-9	56.2	529
19	Engineering Customized Cell Sensing and Response Behaviors Using Synthetic Notch Receptors. *Cell*, **2016**, 164, 780-91	56.2	440
18	Remote control of therapeutic T cells through a small molecule-gated chimeric receptor. *Science*, **2015**, 350, aab4077	33.3	416
17	Engineering T Cells with Customized Therapeutic Response Programs Using Synthetic Notch Receptors. *Cell*, **2016**, 167, 419-432.e16	56.2	335
16	Synthetic Immunology: Hacking Immune Cells to Expand Their Therapeutic Capabilities. *Annual Review of Immunology*, **2017**, 35, 229-253	34.7	74
15	Pooled Knockin Targeting for Genome Engineering of Cellular Immunotherapies. *Cell*, **2020**, 181, 728-744.e21	56.2	63
14	SynNotch-CAR T cells overcome challenges of specificity, heterogeneity, and persistence in treating glioblastoma. *Science Translational Medicine*, **2021**, 13,	17.5	61
13	Precise T cell recognition programs designed by transcriptionally linking multiple receptors. *Science* , **2020**, 370, 1099-1104	33.3	40
12	SynNotch CAR circuits enhance solid tumor recognition and promote persistent antitumor activity in mouse models. *Science Translational Medicine*, **2021**, 13,	17.5	32
11	Synthetic biology approaches to engineer T cells. *Current Opinion in Immunology*, **2015**, 35, 123-30	7.8	29
10	DNA scaffolds enable efficient and tunable functionalization of biomaterials for immune cell modulation. *Nature Nanotechnology*, **2021**, 16, 214-223	28.7	18
9	Paving New Roads for CARs. *Trends in Cancer*, **2019**, 5, 583-592	12.5	14
8	CRISPR-based screens uncover determinants of immunotherapy response in multiple myeloma. *Blood Advances*, **2020**, 4, 2899-2911	7.8	13
7	Clinically-driven design of synthetic gene regulatory programs in human cells		6
6	NextGen cell-based immunotherapies in cancer and other immune disorders. *Current Opinion in Immunology*, **2019**, 59, 79-87	7.8	5
5	Modular design of synthetic receptors for programmed gene regulation in cell therapies.. *Cell*, **2022** , 185, 1431-1443.e16	56.2	5
4	Refining cell therapy. *Science*, **2018**, 359, 1112-1113	33.3	4

List of Publications

3	Design and modular assembly of synthetic intramembrane proteolysis receptors for custom gene regulation in therapeutic cells		2
2	Synthetic biology: at the crossroads of genetic engineering and human therapeutics-a Keystone Symposia report. *Annals of the New York Academy of Sciences*, **2021**,	6.5	1
1	Identifying Factors in Multiple Myeloma Controlling Response to B-Cell Maturation Antigen (BCMA)-Targeted Immunotherapy Using CRISPR-Based Functional Genomics. *Blood*, **2018**, 132, 1926-1926	2.2	