

# Kole T Roybal

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Modular design of synthetic receptors for programmed gene regulation in cell therapies.. <i>Cell</i> , <b>2022</b> , 185, 1431-1443.e16	56.2	5
19	Synthetic biology: at the crossroads of genetic engineering and human therapeutics-a Keystone Symposia report. <i>Annals of the New York Academy of Sciences</i> , <b>2021</b> ,	6.5	1
18	SynNotch CAR circuits enhance solid tumor recognition and promote persistent antitumor activity in mouse models. <i>Science Translational Medicine</i> , <b>2021</b> , 13,	17.5	32
17	SynNotch-CAR T cells overcome challenges of specificity, heterogeneity, and persistence in treating glioblastoma. <i>Science Translational Medicine</i> , <b>2021</b> , 13,	17.5	61
16	DNA scaffolds enable efficient and tunable functionalization of biomaterials for immune cell modulation. <i>Nature Nanotechnology</i> , <b>2021</b> , 16, 214-223	28.7	18
15	CRISPR-based screens uncover determinants of immunotherapy response in multiple myeloma. <i>Blood Advances</i> , <b>2020</b> , 4, 2899-2911	7.8	13
14	Pooled Knockin Targeting for Genome Engineering of Cellular Immunotherapies. <i>Cell</i> , <b>2020</b> , 181, 728-744.e21	46.21	63
13	Precise T cell recognition programs designed by transcriptionally linking multiple receptors. <i>Science</i> , <b>2020</b> , 370, 1099-1104	33.3	40
12	NextGen cell-based immunotherapies in cancer and other immune disorders. <i>Current Opinion in Immunology</i> , <b>2019</b> , 59, 79-87	7.8	5
11	Paving New Roads for CARs. <i>Trends in Cancer</i> , <b>2019</b> , 5, 583-592	12.5	14
10	Refining cell therapy. <i>Science</i> , <b>2018</b> , 359, 1112-1113	33.3	4
9	Identifying Factors in Multiple Myeloma Controlling Response to B-Cell Maturation Antigen (BCMA)-Targeted Immunotherapy Using CRISPR-Based Functional Genomics. <i>Blood</i> , <b>2018</b> , 132, 1926-1926 <sup>2,2</sup>		
8	Synthetic Immunology: Hacking Immune Cells to Expand Their Therapeutic Capabilities. <i>Annual Review of Immunology</i> , <b>2017</b> , 35, 229-253	34.7	74
7	Precision Tumor Recognition by T Cells With Combinatorial Antigen-Sensing Circuits. <i>Cell</i> , <b>2016</b> , 164, 770-9	56.2	529
6	Engineering Customized Cell Sensing and Response Behaviors Using Synthetic Notch Receptors. <i>Cell</i> , <b>2016</b> , 164, 780-91	56.2	440
5	Engineering T Cells with Customized Therapeutic Response Programs Using Synthetic Notch Receptors. <i>Cell</i> , <b>2016</b> , 167, 419-432.e16	56.2	335
4	Synthetic biology approaches to engineer T cells. <i>Current Opinion in Immunology</i> , <b>2015</b> , 35, 123-30	7.8	29

- 3 Remote control of therapeutic T cells through a small molecule-gated chimeric receptor. *Science*, **2015**, 350, aab4077 333 416
- 2 Design and modular assembly of synthetic intramembrane proteolysis receptors for custom gene regulation in therapeutic cells 2
- 1 Clinically-driven design of synthetic gene regulatory programs in human cells 6