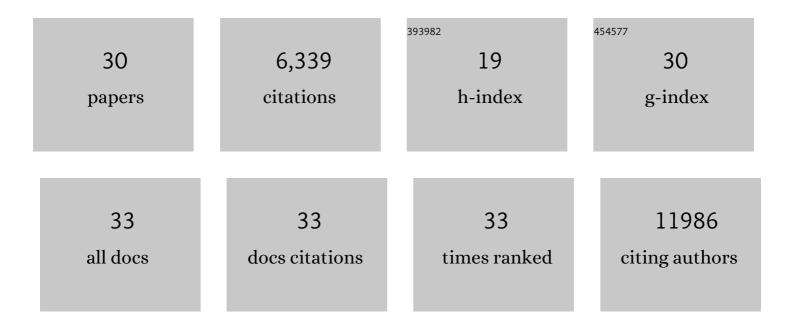
Randall J. Platt

List of Publications by Year in descending order

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RANDALL I PLATT

#	Article	IF	CITATIONS
1	CRISPR-Cas9 Knockin Mice for Genome Editing and Cancer Modeling. Cell, 2014, 159, 440-455.	13.5	1,566
2	Therapeutic genome editing: prospects and challenges. Nature Medicine, 2015, 21, 121-131.	15.2	1,042
3	Genome-scale CRISPR-Cas9 knockout and transcriptional activation screening. Nature Protocols, 2017, 12, 828-863.	5.5	858
4	Optical control of mammalian endogenous transcription and epigenetic states. Nature, 2013, 500, 472-476.	13.7	733
5	A Genome-wide CRISPR Screen in Primary Immune Cells to Dissect Regulatory Networks. Cell, 2015, 162, 675-686.	13.5	383
6	Optogenetic skeletal muscle-powered adaptive biological machines. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 3497-3502.	3.3	234
7	Efficient CRISPR-Cas9–mediated genome editing in Plasmodium falciparum. Nature Methods, 2014, 11, 915-918.	9.0	205
8	Microfluidic device for the formation of optically excitable, three-dimensional, compartmentalized motor units. Science Advances, 2016, 2, e1501429.	4.7	192
9	Multiplexed genome engineering by Cas12a and CRISPR arrays encoded on single transcripts. Nature Methods, 2019, 16, 887-893.	9.0	187
10	AAV-mediated direct in vivo CRISPR screen identifies functional suppressors in glioblastoma. Nature Neuroscience, 2017, 20, 1329-1341.	7.1	179
11	Chd8 Mutation Leads to Autistic-like Behaviors and Impaired Striatal Circuits. Cell Reports, 2017, 19, 335-350.	2.9	177
12	Transcriptional recording by CRISPR spacer acquisition from RNA. Nature, 2018, 562, 380-385.	13.7	117
13	Mapping human cell phenotypes to genotypes with single-cell genomics. Science, 2019, 365, 1401-1405.	6.0	71
14	Mapping a functional cancer genome atlas of tumor suppressors in mouse liver using AAV-CRISPR–mediated direct in vivo screening. Science Advances, 2018, 4, eaao5508.	4.7	64
15	Thyroid hormone receptor beta and NCOA4 regulate terminal erythrocyte differentiation. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 10107-10112.	3.3	59
16	Noninvasive assessment of gut function using transcriptional recording sentinel cells. Science, 2022, 376, eabm6038.	6.0	45
17	Temporal controls over inter-areal cortical projection neuron fate diversity. Nature, 2021, 599, 453-457.	13.7	37
18	Moving from in vitro to in vivo CRISPR screens. Gene and Genome Editing, 2021, 2, 100008.	1.3	25

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#	Article	IF	CITATIONS
19	Engineered bacteria to report gut function: technologies and implementation. Current Opinion in Microbiology, 2021, 59, 24-33.	2.3	24
20	Stapling Mimics Noncovalent Interactions of γ-Carboxyglutamates in Conantokins, Peptidic Antagonists of N-Methyl-d-Aspartic Acid Receptors. Journal of Biological Chemistry, 2012, 287, 20727-20736.	1.6	21
21	Recording transcriptional histories using Record-seq. Nature Protocols, 2020, 15, 513-539.	5.5	19
22	Applications of CRISPR-Cas for synthetic biology and genetic recording. Current Opinion in Systems Biology, 2017, 5, 9-15.	1.3	18
23	Conantokins Derived from the <i>Asprella</i> Clade Impart con <i>Rl</i> -B, an <i>N</i> -Methyl <scp>d</scp> -Aspartate Receptor Antagonist with a Unique Selectivity Profile for NR2B Subunits. Biochemistry, 2012, 51, 4685-4692.	1.2	15
24	An <i>In Vivo</i> CRISPR Screen Identifies Stepwise Genetic Dependencies of Metastatic Progression. Cancer Research, 2022, 82, 681-694.	0.4	14
25	miR-137 and miR-122, two outer subventricular zone non-coding RNAs, regulate basal progenitor expansion and neuronal differentiation. Cell Reports, 2022, 38, 110381.	2.9	13
26	From molecular phylogeny towards differentiating pharmacology for NMDA receptor subtypes. Toxicon, 2014, 81, 67-79.	0.8	11
27	CRISPR tool modifies genes precisely by copying RNA into the genome. Nature, 2019, 576, 48-49.	13.7	11
28	Regulation of purine metabolism connects KCTD13 to a metabolic disorder with autistic features. IScience, 2021, 24, 101935.	1.9	7
29	Multiplexed Genome Engineering with Cas12a. Methods in Molecular Biology, 2021, 2312, 171-192.	0.4	5
30	Voices of biotech research. Nature Biotechnology, 2021, 39, 281-286.	9.4	3