

Randall J. Platt

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

6,339
citations

393982

19
h-index

454577

30
g-index

33
all docs

33
docs citations

33
times ranked

11986
citing authors

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

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