Joel A Schick

List of Publications by Year
in descending order

24 papers	8,992 citations	567281 15 h-index	610901 24 g-index
24 all docs	24 docs citations	24 times ranked	11318 citing authors

#	Article	IF	Citations
1	Evidence for Cardiomyocyte Renewal in Humans. Science, 2009, 324, 98-102.	12.6	2,679
2	Inactivation of the ferroptosis regulator Gpx4 triggers acute renal failure in mice. Nature Cell Biology, 2014, 16, 1180-1191.	10.3	2,241
3	ACSL4 dictates ferroptosis sensitivity by shaping cellular lipid composition. Nature Chemical Biology, 2017, 13, 91-98.	8.0	2,069
4	GTP Cyclohydrolase 1/Tetrahydrobiopterin Counteract Ferroptosis through Lipid Remodeling. ACS Central Science, 2020, 6, 41-53.	11.3	551
5	Functional analysis of secreted and transmembrane proteins critical to mouse development. Nature Genetics, 2001, 28, 241-249.	21.4	379
6	The mammalian gene function resource: the international knockout mouse consortium. Mammalian Genome, 2012, 23, 580-586.	2.2	292
7	Roquin Paralogs 1 and 2 Redundantly Repress the Icos and Ox40 Costimulator mRNAs and Control Follicular Helper T Cell Differentiation. Immunity, 2013, 38, 655-668.	14.3	178
8	glypican-3 Controls Cellular Responses to Bmp4 in Limb Patterning and Skeletal Development. Developmental Biology, 2000, 225, 179-187.	2.0	176
9	A large scale hearing loss screen reveals an extensive unexplored genetic landscape for auditory dysfunction. Nature Communications, 2017, 8, 886.	12.8	116
10	Human and mouse essentiality screens as a resource for disease gene discovery. Nature Communications, 2020, 11, 655.	12.8	64
11	A resource of targeted mutant mouse lines for 5,061 genes. Nature Genetics, 2021, 53, 416-419.	21.4	60
12	MS4A15 drives ferroptosis resistance through calcium-restricted lipid remodeling. Cell Death and Differentiation, 2022, 29, 670-686.	11.2	35
13	Glutathione and thioredoxin dependent systems in neurodegenerative disease: What can be learned from reverse genetics in mice. Neurochemistry International, 2013, 62, 738-749.	3.8	30
14	Beyond knockouts: the International Knockout Mouse Consortium delivers modular and evolving tools for investigating mammalian genes. Mammalian Genome, 2015, 26, 456-466.	2.2	27
15	Cannabidiol converts NF-Î¹B into a tumor suppressor in glioblastoma with defined antioxidative properties. Neuro-Oncology, 2021, 23, 1898-1910.	1.2	24
16	ENCoRE: an efficient software for CRISPR screens identifies new players in extrinsic apoptosis. BMC Genomics, 2017, 18, 905.	2.8	15
17	High-Throughput Identification of Genes Promoting Neuron Formation and Lineage Choice in Mouse Embryonic Stem Cells. Stem Cells, 2007, 25, 1539-1545.	3.2	13
18	CRISPR-Cas9 enables conditional mutagenesis of challenging loci. Scientific Reports, 2016, 6, 32326.	3.3	10

#	Article	IF	Citations
19	Genome-Wide Analysis of MDHAR Gene Family in Four Cotton Species Provides Insights into Fiber Development via Regulating AsA Redox Homeostasis. Plants, 2021, 10, 227.	3.5	9
20	Nonsenseâ€mediated decay factor SMG7 sensitizes cells to TNFÎ±â€induced apoptosis via CYLD tumor suppressor and the noncoding oncogene Pvt1. Molecular Oncology, 2020, 14, 2420-2435.	4.6	8
21	Molecular Signature of Astrocytes for Gene Delivery by the Synthetic Adenoâ€Associated Viral Vector rAAV9P1. Advanced Science, 2022, 9, e2104979.	11.2	7
22	Evolutionary and functional analyses demonstrate conserved ferroptosis protection by Arabidopsis GPXs in mammalian cells. FASEB Journal, 2021, 35, e21550.	0.5	5
23	Direct Cloning of Isogenic Murine DNA in Yeast and Relevance of Isogenicity for Targeting in Embryonic Stem Cells. PLoS ONE, 2013, 8, e74207.	2.5	2
24	Limitations of In Vivo Reprogramming to Dopaminergic Neurons via a Tricistronic Strategy. Human Gene Therapy Methods, 2015, 26, 107-122.	2.1	2