Andrei V Tkatchenko

List of Publications by Year
in descending order

12	664	1163117 8	1372567 10
papers	citations	h-index	g-index

15	15	15	637
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Genome-wide analysis of retinal transcriptome reveals common genetic network underlying perception of contrast and optical defocus detection. BMC Medical Genomics, 2021, 14, 153.	1.5	8
2	Genetic network regulating visual acuity makes limited contribution to visually guided eye emmetropization. Genomics, 2021, 113, 2780-2792.	2.9	7
3	Functional integration of eye tissues and refractive eye development: Mechanisms and pathways. Experimental Eye Research, 2021, 209, 108693.	2.6	21
4	Analysis of genetic networks regulating refractive eye development in collaborative cross progenitor strain mice reveals new genes and pathways underlying human myopia. BMC Medical Genomics, 2019, 12, 113.	1.5	32
5	Pharmacogenomic Approach to Antimyopia Drug Development: Pathways Lead the Way. Trends in Pharmacological Sciences, 2019, 40, 833-852.	8.7	19
6	IMI â€“ Report on Experimental Models of Emmetropization and Myopia. , 2019, 60, M31.		241
7	Gene expression in response to optical defocus of opposite signs reveals bidirectional mechanism of visually guided eye growth. PLoS Biology, 2018, 16, e2006021.	5.6	53
8	Large-Scale microRNA Expression Profiling Identifies Putative Retinal miRNA-mRNA Signaling Pathways Underlying Form-Deprivation Myopia in Mice. PLoS ONE, 2016, 11, e0162541.	2.5	35
9	APLP2 Regulates Refractive Error and Myopia Development in Mice and Humans. PLoS Genetics, 2015, 11, e1005432.	3.5	77
10	Mouse Experimental Myopia Has Features of Primate Myopia. , 2010, 51, 1297.		81
11	Whole-mount BrdU staining of proliferating cells by DNase treatment: application to postnatal mammalian retina. BioTechniques, 2006, 40, 29-32.	1.8	17
12	Form deprivation modulates retinal neurogenesis in primate experimental myopia. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 4681-4686.	7.1	71