

Andrei V Tkatchenko

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

664
citations

1163117

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1372567

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g-index

15
all docs

15
docs citations

15
times ranked

637
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | IMI " Report on Experimental Models of Emmetropization and Myopia. , 2019, 60, M31. | | 241 |
| 2 | Mouse Experimental Myopia Has Features of Primate Myopia. , 2010, 51, 1297. | | 81 |
| 3 | ALP2 Regulates Refractive Error and Myopia Development in Mice and Humans. PLoS Genetics, 2015, 11, e1005432. | 3.5 | 77 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | 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 |
| 8 | Functional integration of eye tissues and refractive eye development: Mechanisms and pathways. Experimental Eye Research, 2021, 209, 108693. | 2.6 | 21 |
| 9 | Pharmacogenomic Approach to Antimyopia Drug Development: Pathways Lead the Way. Trends in Pharmacological Sciences, 2019, 40, 833-852. | 8.7 | 19 |
| 10 | Whole-mount BrdU staining of proliferating cells by DNase treatment: application to postnatal mammalian retina. BioTechniques, 2006, 40, 29-32. | 1.8 | 17 |
| 11 | 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 |
| 12 | Genetic network regulating visual acuity makes limited contribution to visually guided eye emmetropization. Genomics, 2021, 113, 2780-2792. | 2.9 | 7 |