

Fumitaka Osakada

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

5,133
citations

201674

27
h-index

189892

50
g-index

65
all docs

65
docs citations

65
times ranked

5653
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Monosynaptic rabies virus tracing from projection-targeted single neurons. <i>Neuroscience Research</i> , 2022, 178, 20-32. | 1.9 | 5 |
| 2 | Fast z-focus controlling and multiplexing strategies for multiplane two-photon imaging of neural dynamics. <i>Neuroscience Research</i> , 2022, , . | 1.9 | 2 |
| 3 | Cell type- and layer-specific convergence in core and shell neurons of the dorsal lateral geniculate nucleus. <i>Journal of Comparative Neurology</i> , 2021, 529, 2099-2124. | 1.6 | 9 |
| 4 | Toward the generation of thalamic organoids from human induced pluripotent stem cells. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2021, 94, 1-P1-24. | 0.0 | 0 |
| 5 | Cover Image, Volume 529, Issue 8. <i>Journal of Comparative Neurology</i> , 2021, 529, C1. | 1.6 | 0 |
| 6 | Efficient and robust induction of retinal pigment epithelium cells by tankyrase inhibition regardless of the differentiation propensity of human induced pluripotent stem cells. <i>Biochemical and Biophysical Research Communications</i> , 2021, 552, 66-72. | 2.1 | 4 |
| 7 | Temporally multiplexed dual-plane imaging of neural activity with four-dimensional precision. <i>Neuroscience Research</i> , 2021, 171, 9-18. | 1.9 | 5 |
| 8 | Reproducible production and image-based quality evaluation of retinal pigment epithelium sheets from human induced pluripotent stem cells. <i>Scientific Reports</i> , 2020, 10, 14387. | 3.3 | 18 |
| 9 | Role of dynamic nuclear deformation on genomic architecture reorganization. <i>PLoS Computational Biology</i> , 2019, 15, e1007289. | 3.2 | 17 |
| 10 | Intersectional monosynaptic tracing for dissecting subtype-specific organization of GABAergic interneuron inputs. <i>Nature Neuroscience</i> , 2019, 22, 492-502. | 14.8 | 39 |
| 11 | Tracing of Afferent Connections in the Zebrafish Cerebellum Using Recombinant Rabies Virus. <i>Frontiers in Neural Circuits</i> , 2019, 13, 30. | 2.8 | 38 |
| 12 | Multiplex Neural Circuit Tracing With G-Deleted Rabies Viral Vectors. <i>Frontiers in Neural Circuits</i> , 2019, 13, 77. | 2.8 | 28 |
| 13 | Centrifugal Inputs to the Main Olfactory Bulb Revealed Through Whole Brain Circuit-Mapping. <i>Frontiers in Neuroanatomy</i> , 2018, 12, 115. | 1.7 | 39 |
| 14 | Distributed and Mixed Information in Monosynaptic Inputs to Dopamine Neurons. <i>Neuron</i> , 2016, 91, 1374-1389. | 8.1 | 195 |
| 15 | Diverse Representations of Olfactory Information in Centrifugal Feedback Projections. <i>Journal of Neuroscience</i> , 2016, 36, 7535-7545. | 3.6 | 39 |
| 16 | Distinct Hippocampal Pathways Mediate Dissociable Roles of Context in Memory Retrieval. <i>Cell</i> , 2016, 167, 961-972.e16. | 28.9 | 226 |
| 17 | Afferent Inputs to Neurotransmitter-Defined Cell Types in the Ventral Tegmental Area. <i>Cell Reports</i> , 2016, 15, 2796-2808. | 6.4 | 145 |
| 18 | Early Somatostatin Interneuron Connectivity Mediates the Maturation of Deep Layer Cortical Circuits. <i>Neuron</i> , 2016, 89, 521-535. | 8.1 | 154 |

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|----|--|------|-----------|
| 19 | Challenges in Retinal Circuit Regeneration. Biological and Pharmaceutical Bulletin, 2015, 38, 341-357. | 1.4 | 7 |
| 20 | Opening a New Era in Neural Circuit Research. Kagaku To Seibutsu, 2015, 53, 673-680. | 0.0 | 1 |
| 21 | A dedicated circuit links direction-selective retinal ganglion cells to the primary visual cortex. Nature, 2014, 507, 358-361. | 27.8 | 279 |
| 22 | Design and generation of recombinant rabies virus vectors. Nature Protocols, 2013, 8, 1583-1601. | 12.0 | 257 |
| 23 | Imaging light responses of retinal ganglion cells in the living mouse eye. Journal of Neurophysiology, 2013, 109, 2415-2421. | 1.8 | 61 |
| 24 | Optical recording of the light response of ganglion cells in the living eye. , 2013, , . | | 0 |
| 25 | Stem Cells in the Developing and Adult Nervous System. , 2013, , 129-152. | | 0 |
| 26 | New Rabies Virus Variants for Monitoring and Manipulating Activity and Gene Expression in Defined Neural Circuits. Neuron, 2012, 74, 206. | 8.1 | 0 |
| 27 | Defining the Integration Capacity of Embryonic Stem Cell-Derived Photoreceptor Precursors. Stem Cells, 2012, 30, 1424-1435. | 3.2 | 119 |
| 28 | Toward Regeneration of Retinal Function Using Pluripotent Stem Cells. , 2011, , 155-175. | | 0 |
| 29 | New Rabies Virus Variants for Monitoring and Manipulating Activity and Gene Expression in Defined Neural Circuits. Neuron, 2011, 71, 617-631. | 8.1 | 296 |
| 30 | Modeling Retinal Degeneration Using Patient-Specific Induced Pluripotent Stem Cells. PLoS ONE, 2011, 6, e17084. | 2.5 | 204 |
| 31 | Neural Induction and Patterning in Mammalian Pluripotent Stem Cells. CNS and Neurological Disorders - Drug Targets, 2011, 10, 419-432. | 1.4 | 24 |
| 32 | Stem Cells in the Developing and Adult Nervous System. , 2011, , 125-145. | | 0 |
| 33 | Nuclear reprogramming to treat retinal degenerative diseases. Inflammation and Regeneration, 2011, 31, 33-49. | 3.7 | 3 |
| 34 | Detection of localized retinal malfunction in retinal degeneration model using a multielectrode array system. Journal of Neuroscience Research, 2009, 87, 2175-2182. | 2.9 | 22 |
| 35 | Stepwise differentiation of pluripotent stem cells into retinal cells. Nature Protocols, 2009, 4, 811-824. | 12.0 | 258 |
| 36 | Generation of retinal cells from mouse and human induced pluripotent stem cells. Neuroscience Letters, 2009, 458, 126-131. | 2.1 | 402 |

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|----|---|------|-----------|
| 37 | In vitro differentiation of retinal cells from human pluripotent stem cells by small-molecule induction. <i>Journal of Cell Science</i> , 2009, 122, 3169-3179. | 2.0 | 393 |
| 38 | Stem cell biology and cell transplantation therapy in the retina. <i>Biotechnology and Genetic Engineering Reviews</i> , 2009, 26, 297-334. | 6.2 | 26 |
| 39 | Drug Development Targeting the Glycogen Synthase Kinase-3 ^β (GSK-3 ^β)-Mediated Signal Transduction Pathway: Targeting the Wnt Pathway and Transplantation Therapy as Strategies for Retinal Repair. <i>Journal of Pharmacological Sciences</i> , 2009, 109, 168-173. | 2.5 | 29 |
| 40 | Targeted deletion of miR-182, an abundant retinal microRNA. <i>Molecular Vision</i> , 2009, 15, 523-33. | 1.1 | 78 |
| 41 | Toward the generation of rod and cone photoreceptors from mouse, monkey and human embryonic stem cells. <i>Nature Biotechnology</i> , 2008, 26, 215-224. | 17.5 | 590 |
| 42 | Dibutyryl cyclic AMP induces differentiation of human neuroblastoma SH-SY5Y cells into a noradrenergic phenotype. <i>Neuroscience Letters</i> , 2008, 443, 199-203. | 2.1 | 62 |
| 43 | Control of neural differentiation from pluripotent stem cells. <i>Inflammation and Regeneration</i> , 2008, 28, 166-173. | 3.7 | 4 |
| 44 | Wnt Signaling Promotes Regeneration in the Retina of Adult Mammals. <i>Journal of Neuroscience</i> , 2007, 27, 4210-4219. | 3.6 | 306 |
| 45 | Neurogenic potential of Mueller glia in the adult mammalian retina. <i>Inflammation and Regeneration</i> , 2007, 27, 499-505. | 3.7 | 4 |
| 46 | Neural conversion of ES cells by an inductive activity on human amniotic membrane matrix. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 9554-9559. | 7.1 | 79 |
| 47 | Generation of Rx+/Pax6+ neural retinal precursors from embryonic stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 11331-11336. | 7.1 | 331 |
| 48 | Serofendic Acid, a Sulfur-Containing Diterpenoid Derived from Fetal Calf Serum, Attenuates Reactive Oxygen Species-Induced Oxidative Stress in Cultured Striatal Neurons. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004, 311, 51-59. | 2.5 | 28 |
| 49 | Otx2/Homeobox Gene Induces Photoreceptor-Specific Phenotypes in Cells Derived from Adult Iris and Ciliary Tissue. , 2004, 45, 4570. | | 57 |
| 50 | Î±-Tocotrienol provides the most potent neuroprotection among vitamin E analogs on cultured striatal neurons. <i>Neuropharmacology</i> , 2004, 47, 904-915. | 4.1 | 121 |
| 51 | Neuroprotective effects of Î±-tocopherol on oxidative stress in rat striatal cultures. <i>European Journal of Pharmacology</i> , 2003, 465, 15-22. | 3.5 | 65 |
| 52 | Isolation of a diterpenoid substance with potent neuroprotective activity from fetal calf serum. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 3288-3293. | 7.1 | 53 |