

Ikuo Tooyama

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

619
citations

759055

12
h-index

642610

23
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23
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23
docs citations

23
times ranked

1293
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Patterns of Expression of Purinergic Receptor P2RY12, a Putative Marker for Non-Activated Microglia, in Aged and Alzheimer's Disease Brains. <i>International Journal of Molecular Sciences</i> , 2020, 21, 678. | 1.8 | 86 |
| 2 | Thioredoxin-Interacting Protein (TXNIP) with Focus on Brain and Neurodegenerative Diseases. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9357. | 1.8 | 74 |
| 3 | Volumetric changes in the aging rat brain and its impact on cognitive and locomotor functions. <i>Experimental Gerontology</i> , 2017, 99, 69-79. | 1.2 | 63 |
| 4 | Elimination of TDP-43 inclusions linked to amyotrophic lateral sclerosis by a misfolding-specific intrabody with dual proteolytic signals. <i>Scientific Reports</i> , 2018, 8, 6030. | 1.6 | 54 |
| 5 | Microglial Progranulin: Involvement in Alzheimer's Disease and Neurodegenerative Diseases. <i>Cells</i> , 2019, 8, 230. | 1.8 | 53 |
| 6 | Mitochondrial ferritin protects SH-SY5Y cells against H ₂ O ₂ -induced oxidative stress and modulates β -synuclein expression. <i>Experimental Neurology</i> , 2017, 291, 51-61. | 2.0 | 45 |
| 7 | Morphologic Study of Neuronal Death, Glial Activation, and Progenitor Cell Division in the Hippocampus of Rat Models of Epilepsy. <i>Epilepsia</i> , 2002, 43, 39-43. | 2.6 | 43 |
| 8 | Amyloid imaging using fluorine-19 magnetic resonance imaging (19F-MRI). <i>Ageing Research Reviews</i> , 2016, 30, 85-94. | 5.0 | 30 |
| 9 | Novel curcumin derivatives as potent inhibitors of amyloid β aggregation. <i>Biochemistry and Biophysics Reports</i> , 2015, 4, 357-368. | 0.7 | 28 |
| 10 | Mitochondrial ferritin affects mitochondria by stabilizing HIF-1 α in retinal pigment epithelium: implications for the pathophysiology of age-related macular degeneration. <i>Neurobiology of Aging</i> , 2016, 47, 168-179. | 1.5 | 26 |
| 11 | A Mechanistic Evaluation of Antioxidant Nutraceuticals on Their Potential against Age-Associated Neurodegenerative Diseases. <i>Antioxidants</i> , 2020, 9, 1019. | 2.2 | 18 |
| 12 | Age-related changes in the metabolic profiles of rat hippocampus, medial prefrontal cortex and striatum. <i>Biochemical and Biophysical Research Communications</i> , 2017, 493, 1356-1363. | 1.0 | 14 |
| 13 | Characterization of a Conformation-Restricted Amyloid β Peptide and Immunoreactivity of Its Antibody in Human AD brain. <i>ACS Chemical Neuroscience</i> , 2021, 12, 3418-3432. | 1.7 | 13 |
| 14 | Alpha1-chimaerin, a Rac1 GTPase-activating protein, is expressed at reduced mRNA levels in the brain of Alzheimer's disease patients. <i>Neuroscience Letters</i> , 2015, 591, 19-24. | 1.0 | 11 |
| 15 | Microglial Phenotyping in Neurodegenerative Disease Brains: Identification of Reactive Microglia with an Antibody to Variant of CD105/Endoglin. <i>Cells</i> , 2019, 8, 766. | 1.8 | 11 |
| 16 | Fluorine-19 magnetic resonance imaging probe for the detection of tau pathology in female rTg4510 mice. <i>Journal of Neuroscience Research</i> , 2018, 96, 841-851. | 1.3 | 10 |
| 17 | Fluorine-19 Magnetic Resonance Imaging for Detection of Amyloid β Oligomers Using a Keto Form of Curcumin Derivative in a Mouse Model of Alzheimer's Disease. <i>Molecules</i> , 2021, 26, 1362. | 1.7 | 10 |
| 18 | Nicotinic Acetylcholine Receptors and Microglia as Therapeutic and Imaging Targets in Alzheimer's Disease. <i>Molecules</i> , 2022, 27, 2780. | 1.7 | 10 |

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|----|--|-----|-----------|
| 19 | Identification of juvenility-associated genes in the mouse hepatocytes and cardiomyocytes. <i>Scientific Reports</i> , 2018, 8, 3132. | 1.6 | 8 |
| 20 | Study of tau pathology in male rTg4510 mice fed with a curcumin derivative Shiga-Y5. <i>PLoS ONE</i> , 2018, 13, e0208440. | 1.1 | 6 |
| 21 | LC3/FtMt Colocalization Patterns Reveal the Progression of FtMt Accumulation in Nigral Neurons of Patients with Progressive Supranuclear Palsy. <i>International Journal of Molecular Sciences</i> , 2022, 23, 537. | 1.8 | 3 |
| 22 | The effect of $\hat{1}\pm$ -tocopherol, $\hat{1}\pm$ - and $\hat{1}^3$ -tocotrienols on amyloid- $\hat{1}^2$ aggregation and disaggregation in vitro. <i>Biochemistry and Biophysics Reports</i> , 2021, 28, 101131. | 0.7 | 2 |
| 23 | A Fluorine-19 Magnetic Resonance Probe, Shiga-Y5, Downregulates Thioredoxin-Interacting Protein Expression in the Brain of a Mouse Model of Alzheimer's Disease. <i>Molecules</i> , 2021, 26, 5342. | 1.7 | 1 |