

# Masato Koike

## List of Publications by Year in descending order

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161  
papers

25,750  
citations

25034

57  
h-index

7160

153  
g-index

165  
all docs

165  
docs citations

165  
times ranked

39432  
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
2	Loss of autophagy in the central nervous system causes neurodegeneration in mice. <i>Nature</i> , 2006, 441, 880-884.	27.8	3,209
3	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	9.1	3,122
4	Homeostatic Levels of p62 Control Cytoplasmic Inclusion Body Formation in Autophagy-Deficient Mice. <i>Cell</i> , 2007, 131, 1149-1163.	28.9	1,925
5	Identification of Tim4 as a phosphatidylserine receptor. <i>Nature</i> , 2007, 450, 435-439.	27.8	985
6	Autoimmune Disease and Impaired Uptake of Apoptotic Cells in MFG-E8-Deficient Mice. <i>Science</i> , 2004, 304, 1147-1150.	12.6	895
7	Transplantation of in vitro-expanded fetal neural progenitor cells results in neurogenesis and functional recovery after spinal cord contusion injury in adult rats. <i>Journal of Neuroscience Research</i> , 2002, 69, 925-933.	2.9	501
8	Grafted human-induced pluripotent stem-cell-derived neurospheres promote motor functional recovery after spinal cord injury in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 16825-16830.	7.1	473
9	Inhibition of Autophagy Prevents Hippocampal Pyramidal Neuron Death after Hypoxic-Ischemic Injury. <i>American Journal of Pathology</i> , 2008, 172, 454-469.	3.8	443
10	The ATG conjugation systems are important for degradation of the inner autophagosomal membrane. <i>Science</i> , 2016, 354, 1036-1041.	12.6	387
11	Cathepsin D Deficiency Induces Lysosomal Storage with Ceroid Lipofuscin in Mouse CNS Neurons. <i>Journal of Neuroscience</i> , 2000, 20, 6898-6906.	3.6	353
12	Mitochondrial dysfunction associated with increased oxidative stress and $\alpha$ -synuclein accumulation in PARK2 iPSC-derived neurons and postmortem brain tissue. <i>Molecular Brain</i> , 2012, 5, 35.	2.6	333
13	RNA-binding protein Musashi family: Roles for CNS stem cells and a subpopulation of ependymal cells revealed by targeted disruption and antisense ablation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 15194-15199.	7.1	320
14	The novel lipid raft adaptor p18 controls endosome dynamics by anchoring the MEK-ERK pathway to late endosomes. <i>EMBO Journal</i> , 2009, 28, 477-489.	7.8	308
15	Participation of Autophagy in Storage of Lysosomes in Neurons from Mouse Models of Neuronal Ceroid-Lipofuscinoses (Batten Disease). <i>American Journal of Pathology</i> , 2005, 167, 1713-1728.	3.8	305
16	Phosphatidylserine-dependent engulfment by macrophages of nuclei from erythroid precursor cells. <i>Nature</i> , 2005, 437, 754-758.	27.8	296
17	Nesfatin-1-Regulated Oxytocinergic Signaling in the Paraventricular Nucleus Causes Anorexia through a Leptin-Independent Melanocortin Pathway. <i>Cell Metabolism</i> , 2009, 10, 355-365.	16.2	283
18	LRRK2 and its substrate Rab GTPases are sequentially targeted onto stressed lysosomes and maintain their homeostasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E9115-E9124.	7.1	222

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19	The MAP1-LC3 conjugation system is involved in lipid droplet formation. <i>Biochemical and Biophysical Research Communications</i> , 2009, 382, 419-423.	2.1	214
20	New Neurons Clear the Path of Astrocytic Processes for Their Rapid Migration in the Adult Brain. <i>Neuron</i> , 2010, 67, 213-223.	8.1	194
21	Long-Term Safety Issues of iPSC-Based Cell Therapy in a Spinal Cord Injury Model: Oncogenic Transformation with Epithelial-Mesenchymal Transition. <i>Stem Cell Reports</i> , 2015, 4, 360-373.	4.8	187
22	Autophagy—physiology and pathophysiology. <i>Histochemistry and Cell Biology</i> , 2008, 129, 407-420.	1.7	170
23	Participation of autophagy in renal ischemia/reperfusion injury. <i>Biochemical and Biophysical Research Communications</i> , 2008, 368, 100-106.	2.1	166
24	Intracellular phosphatidylserine is essential for retrograde membrane traffic through endosomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 15846-15851.	7.1	163
25	Motor Neuron-specific Disruption of Proteasomes, but Not Autophagy, Replicates Amyotrophic Lateral Sclerosis. <i>Journal of Biological Chemistry</i> , 2012, 287, 42984-42994.	3.4	162
26	GPHR is a novel anion channel critical for acidification and functions of the Golgi apparatus. <i>Nature Cell Biology</i> , 2008, 10, 1135-1145.	10.3	161
27	Human Herpesvirus-6 Induces MVB Formation, and Virus Egress Occurs by an Exosomal Release Pathway. <i>Traffic</i> , 2008, 9, 1728-1742.	2.7	160
28	Human IAPP—induced pancreatic $\beta^2$ cell toxicity and its regulation by autophagy. <i>Journal of Clinical Investigation</i> , 2014, 124, 3634-3644.	8.2	154
29	Rhomboid Protease PARL Mediates the Mitochondrial Membrane Potential Loss-induced Cleavage of PGAM5. <i>Journal of Biological Chemistry</i> , 2012, 287, 34635-34645.	3.4	151
30	Involvement of two different cell death pathways in retinal atrophy of cathepsin D-deficient mice. <i>Molecular and Cellular Neurosciences</i> , 2003, 22, 146-161.	2.2	142
31	Neuroprotection by selective neuronal deletion of <i>Atg7</i> in neonatal brain injury. <i>Autophagy</i> , 2016, 12, 410-423.	9.1	140
32	CLC-3 deficiency leads to phenotypes similar to human neuronal ceroid lipofuscinosis. <i>Genes To Cells</i> , 2002, 7, 597-605.	1.2	130
33	Autophagic neuron death in neonatal brain ischemia/hypoxia. <i>Autophagy</i> , 2008, 4, 404-408.	9.1	121
34	Morphological and biochemical signs of age-related neurodegenerative changes in klotho mutant mice. <i>Neuroscience</i> , 2008, 152, 924-941.	2.3	116
35	Mechanical overloading causes mitochondrial superoxide and SOD2 imbalance in chondrocytes resulting in cartilage degeneration. <i>Scientific Reports</i> , 2015, 5, 11722.	3.3	115
36	Involvement of Nitric Oxide Released from Microglia—Macrophages in Pathological Changes of Cathepsin D-Deficient Mice. <i>Journal of Neuroscience</i> , 2001, 21, 7526-7533.	3.6	113

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37	<scp>NBR</scp> 1â€mediated p62â€liquid droplets enhance the Keap1â€Nrf2 system. EMBO Reports, 2020, 21, e48902.	4.5	107
38	Defective autophagy in vascular smooth muscle cells enhances cell death and atherosclerosis. Autophagy, 2018, 14, 1991-2006.	9.1	104
39	LC3, a microtubule-associated protein1A/B light chain3, is involved in cytoplasmic lipid droplet formation. Biochemical and Biophysical Research Communications, 2010, 393, 274-279.	2.1	102
40	Loss of ALS2/Alsin Exacerbates Motor Dysfunction in a SOD1H46R-Expressing Mouse ALS Model by Disturbing Endolysosomal Trafficking. PLoS ONE, 2010, 5, e9805.	2.5	100
41	Free fatty acids stimulate autophagy in pancreatic Î²-cells via JNK pathway. Biochemical and Biophysical Research Communications, 2010, 401, 561-567.	2.1	100
42	Pancreatic Î²-Cell Failure Mediated by mTORC1 Hyperactivity and Autophagic Impairment. Diabetes, 2014, 63, 2996-3008.	0.6	95
43	RANKL-Induced Expression of Tetraspanin CD9 in Lipid Raft Membrane Microdomain Is Essential for Cell Fusion During Osteoclastogenesis. Journal of Bone and Mineral Research, 2006, 21, 965-976.	2.8	93
44	Vps35 in cooperation with LRRK2 regulates synaptic vesicle endocytosis through the endosomal pathway in Drosophila. Human Molecular Genetics, 2017, 26, 2933-2948.	2.9	93
45	Local Apoptosis Modulates Early Mammalian Brain Development through the Elimination of Morphogen-Producing Cells. Developmental Cell, 2013, 27, 621-634.	7.0	92
46	Ablation of C/EBPÎ² alleviates ER stress and pancreatic Î² cell failure through the GRP78 chaperone in mice. Journal of Clinical Investigation, 2010, 120, 115-126.	8.2	84
47	Survival of Developing Motor Neurons Mediated by Rho GTPase Signaling Pathway through Rho-Kinase. Journal of Neuroscience, 2004, 24, 3480-3488.	3.6	79
48	Discovery of a Second Form of Tripartite Complex Containing gH-gL of Human Herpesvirus 6 and Observations on CD46. Journal of Virology, 2004, 78, 4609-4616.	3.4	78
49	Three-dimensional architecture of podocytes revealed by block-face scanning electron microscopy. Scientific Reports, 2015, 5, 8993.	3.3	77
50	Mitochondrial superoxide in osteocytes perturbs canalicular networks in the setting of age-related osteoporosis. Scientific Reports, 2015, 5, 9148.	3.3	77
51	Degradation of nuclear DNA by DNaseâ€fII-like acid DNase in cortical fiber cells of mouse eye lens. FEBS Journal, 2007, 274, 3055-3064.	4.7	67
52	c-FLIP Maintains Tissue Homeostasis by Preventing Apoptosis and Programmed Necrosis. Science Signaling, 2012, 5, ra93.	3.6	66
53	Î±-Synuclein BAC transgenic mice exhibit RBD-like behaviour and hyposmia: a prodromal Parkinsonâ€™s disease model. Brain, 2020, 143, 249-265.	7.6	66
54	Characterization of Cln3p, the gene product responsible for juvenile neuronal ceroid lipofuscinosis, as a lysosomal integral membrane glycoprotein. Journal of Neurochemistry, 2003, 87, 1296-1308.	3.9	64

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55	ATP13A2 deficiency induces a decrease in cathepsin D activity, fingerprint-like inclusion body formation, and selective degeneration of dopaminergic neurons. <i>FEBS Letters</i> , 2013, 587, 1316-1325.	2.8	63
56	Cells recognize osmotic stress through liquid-liquid phase separation lubricated with poly(ADP-ribose). <i>Nature Communications</i> , 2021, 12, 1353.	12.8	62
57	Exendin-4 Improves $\beta$ -Cell Function in Autophagy-Deficient $\beta$ -Cells. <i>Endocrinology</i> , 2013, 154, 4512-4524.	2.8	61
58	Participation of autophagy in the initiation of graft dysfunction after rat liver transplantation. <i>Autophagy</i> , 2009, 5, 351-360.	9.1	60
59	Viable Neuronopathic Gaucher Disease Model in Medaka ( <i>Oryzias latipes</i> ) Displays Axonal Accumulation of Alpha-Synuclein. <i>PLoS Genetics</i> , 2015, 11, e1005065.	3.5	60
60	L-Carnitine Enhances Axonal Plasticity and Improves White-Matter Lesions after Chronic Hypoperfusion in Rat Brain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 382-391.	4.3	59
61	Cytoplasmic reactive oxygen species and SOD1 regulate bone mass during mechanical unloading. <i>Journal of Bone and Mineral Research</i> , 2013, 28, 2368-2380.	2.8	57
62	Acquisition of T Regulatory Function in Cathepsin L-Inhibited T Cells by Eye-Derived CTLA-2 $\beta$ during Inflammatory Conditions. <i>Journal of Immunology</i> , 2009, 183, 5013-5022.	0.8	54
63	RGS18 Acts as a Negative Regulator of Osteoclastogenesis by Modulating the Acid-Sensing OGR1/NFAT Signaling Pathway. <i>Journal of Bone and Mineral Research</i> , 2007, 22, 1612-1620.	2.8	53
64	Alternative mitochondrial quality control mediated by extracellular release. <i>Autophagy</i> , 2021, 17, 2962-2974.	9.1	53
65	Ablation of TSC2 Enhances Insulin Secretion by Increasing the Number of Mitochondria through Activation of mTORC1. <i>PLoS ONE</i> , 2011, 6, e23238.	2.5	50
66	Cathepsin D in Podocytes Is Important in the Pathogenesis of Proteinuria and CKD. <i>Journal of the American Society of Nephrology: JASN</i> , 2016, 27, 2685-2700.	6.1	50
67	Sleeping Beauty Transposon-Based Phenotypic Analysis of Mice: Lack of <i>Arcp3</i> Results in Defective Trophoblast Outgrowth. <i>Molecular and Cellular Biology</i> , 2006, 26, 6185-6196.	2.3	49
68	Development of Purkinje cell degeneration in a knockin mouse model reveals lysosomal involvement in the pathogenesis of SCA6. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 17693-17698.	7.1	49
69	Non-steroidal anti-inflammatory drug delays corneal wound healing by reducing production of 12-hydroxyheptadecatrienoic acid, a ligand for leukotriene B4 receptor 2. <i>Scientific Reports</i> , 2017, 7, 13267.	3.3	49
70	Participation of autophagy in the degeneration process of rat hepatocytes after transplantation following prolonged cold preservation. <i>Archives of Histology and Cytology</i> , 2005, 68, 71-80.	0.2	47
71	Human Herpesvirus 6 Open Reading Frame U14 Protein and Cellular p53 Interact with Each Other and Are Contained in the Virion. <i>Journal of Virology</i> , 2005, 79, 13037-13046.	3.4	43
72	Effects of RNA Interference of Atg4B on the Limited Proteolysis of LC3 in PC12 Cells and Expression of Atg4B in Various Rat Tissues. <i>Autophagy</i> , 2006, 2, 200-208.	9.1	43

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73	Functional links between SQSTM1 and ALS2 in the pathogenesis of ALS: cumulative impact on the protection against mutant SOD1-mediated motor dysfunction in mice. <i>Human Molecular Genetics</i> , 2016, 25, 3321-3340.	2.9	43
74	Morphological process of podocyte development revealed by block-face scanning electron microscopy. <i>Journal of Cell Science</i> , 2016, 130, 132-142.	2.0	41
75	Mice lacking BCAS1, a novel myelin-associated protein, display hypomyelination, schizophrenia-like abnormal behaviors, and upregulation of inflammatory genes in the brain. <i>Glia</i> , 2017, 65, 727-739.	4.9	39
76	Molecular mechanisms of <i>Streptococcus pneumoniae</i> -targeted autophagy via pneumolysin, Golgi-resident Rab41, and Nedd4-mediated K63-linked ubiquitination. <i>Cellular Microbiology</i> , 2018, 20, e12846.	2.1	39
77	Mutant calreticulin interacts with MPL in the secretion pathway for activation on the cell surface. <i>Leukemia</i> , 2020, 34, 499-509.	7.2	39
78	NF-Y inactivation causes atypical neurodegeneration characterized by ubiquitin and p62 accumulation and endoplasmic reticulum disorganization. <i>Nature Communications</i> , 2014, 5, 3354.	12.8	38
79	Chemical State Information of Bulk Specimens Obtained by SEM-Based Soft-X-Ray Emission Spectrometry. <i>Microscopy and Microanalysis</i> , 2014, 20, 692-697.	0.4	38
80	Developing Postmitotic Mammalian Neurons <i>In Vivo</i> Lacking Apaf-1 Undergo Programmed Cell Death by a Caspase-Independent, Nonapoptotic Pathway Involving Autophagy. <i>Journal of Neuroscience</i> , 2008, 28, 1490-1497.	3.6	37
81	Chapter 3 Autophagic Neuron Death. <i>Methods in Enzymology</i> , 2009, 453, 33-51.	1.0	37
82	PAC1 Gene Knockout Reveals an Essential Role of Chaperone-Mediated 20S Proteasome Biogenesis and Latent 20S Proteasomes in Cellular Homeostasis. <i>Molecular and Cellular Biology</i> , 2010, 30, 3864-3874.	2.3	37
83	Innate immune adaptor TRIF deficiency accelerates disease progression of ALS mice with accumulation of aberrantly activated astrocytes. <i>Cell Death and Differentiation</i> , 2018, 25, 2130-2146.	11.2	36
84	Atg9A Protein, an Autophagy-related Membrane Protein, Is Localized in the Neurons of Mouse Brains. <i>Journal of Histochemistry and Cytochemistry</i> , 2010, 58, 443-453.	2.5	35
85	Deregulation of Pancreas-Specific Oxidoreductin ERO1 <sup>β</sup> in the Pathogenesis of Diabetes Mellitus. <i>Molecular and Cellular Biology</i> , 2014, 34, 1290-1299.	2.3	34
86	The Expression of Tripeptidyl Peptidase I in Various Tissues of Rats and Mice.. <i>Archives of Histology and Cytology</i> , 2002, 65, 219-232.	0.2	30
87	Dissociation and dispersion of claudin-3 from the tight junction could be one of the most sensitive indicators of reflux esophagitis in a rat model of the disease. <i>Journal of Gastroenterology</i> , 2011, 46, 629-638.	5.1	30
88	VPS29/VPS35 intermediate of retromer is stable and may be involved in the retromer complex assembly process. <i>FEBS Letters</i> , 2015, 589, 1430-1436.	2.8	30
89	TDP-43 accelerates age-dependent degeneration of interneurons. <i>Scientific Reports</i> , 2017, 7, 14972.	3.3	30
90	Specific Localization of Lysosomal Aminopeptidases in Type II Alveolar Epithelial Cells of the Rat Lung.. <i>Archives of Histology and Cytology</i> , 2001, 64, 89-97.	0.2	29

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91	Differential remodelling of peroxisome function underpins the environmental and metabolic adaptability of diplomonids and kinetoplastids. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20160520.	2.6	29
92	Generation of a recombinant Oka varicella vaccine expressing mumps virus hemagglutinin-neuraminidase protein as a polyvalent live vaccine. <i>Vaccine</i> , 2007, 25, 8741-8755.	3.8	28
93	Closer association of mitochondria with lipid droplets in hepatocytes and activation of Kupffer cells in resveratrol-treated senescence-accelerated mice. <i>Histochemistry and Cell Biology</i> , 2011, 136, 475-489.	1.7	28
94	Lysosomal Storage of Subunit c of Mitochondrial ATP Synthase in Brain-Specific Atp13a2-Deficient Mice. <i>American Journal of Pathology</i> , 2016, 186, 3074-3082.	3.8	28
95	Macroautophagy is essential for killing of intracellular <i>Burkholderia pseudomallei</i> in human neutrophils. <i>Autophagy</i> , 2015, 11, 748-755.	9.1	27
96	Cathepsin L in Bone Marrow-Derived Cells Is Required for Retinal and Choroidal Neovascularization. <i>American Journal of Pathology</i> , 2010, 176, 2571-2580.	3.8	23
97	Differences in expression patterns of cathepsin C/dipeptidyl peptidase I in normal, pathological and aged mouse central nervous system. <i>European Journal of Neuroscience</i> , 2013, 37, 816-830.	2.6	23
98	Apple procyanidins promote mitochondrial biogenesis and proteoglycan biosynthesis in chondrocytes. <i>Scientific Reports</i> , 2018, 8, 7229.	3.3	23
99	The Ablation of Mitochondrial Protein Phosphatase Pgam5 Confers Resistance Against Metabolic Stress. <i>EBioMedicine</i> , 2016, 5, 82-92.	6.1	22
100	Necroptosis of Intestinal Epithelial Cells Induces Type 3 Innate Lymphoid Cell-Dependent Lethal Ileitis. <i>IScience</i> , 2019, 15, 536-551.	4.1	21
101	Biogenesis and Proteolytic Processing of Lysosomal DNase II. <i>PLoS ONE</i> , 2013, 8, e59148.	2.5	21
102	Proteolytic degradation of glutamate decarboxylase mediates disinhibition of hippocampal CA3 pyramidal cells in cathepsin D-deficient mice. <i>Journal of Neurochemistry</i> , 2005, 94, 680-690.	3.9	20
103	Different Distribution Patterns of the Two Mannose 6-phosphate Receptors in Rat Liver. <i>Journal of Histochemistry and Cytochemistry</i> , 2001, 49, 1397-1405.	2.5	19
104	Geometry and the Organizational Principle of Spine Synapses along a Dendrite. <i>ENeuro</i> , 2020, 7, ENEURO.0248-20.2020.	1.9	19
105	Very high-dose Î±-tocopherol supplementation increases blood pressure and causes possible adverse central nervous system effects in stroke-prone spontaneously hypertensive rats. <i>Journal of Neuroscience Research</i> , 2009, 87, 556-566.	2.9	18
106	Loss of autophagy impairs physiological steatosis by accumulation of NCoR1. <i>Life Science Alliance</i> , 2020, 3, e201900513.	2.8	18
107	Developmental Changes in Dendritic Spine Morphology in the Striatum and Their Alteration in an A53T Î±-Synuclein Transgenic Mouse Model of Parkinson's Disease. <i>ENeuro</i> , 2020, 7, ENEURO.0072-20.2020.	1.9	17
108	Enrichment of GABARAP Relative to LC3 in the Axonal Initial Segments of Neurons. <i>PLoS ONE</i> , 2013, 8, e63568.	2.5	16

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109	Optimization of mNeonGreen for Homo sapiens increases its fluorescent intensity in mammalian cells. PLoS ONE, 2018, 13, e0191108.	2.5	16
110	A new grating X-ray spectrometer for 2â€“4 keV enabling a separate observation of In-LÎ² and Sn-LÎ± emissions of indium tin oxide. Microscopy (Oxford, England), 2013, 62, 391-395.	1.5	15
111	Purkinje Cells Are More Vulnerable to the Specific Depletion of Cathepsin D Than to That of Atg7. American Journal of Pathology, 2017, 187, 1586-1600.	3.8	15
112	Superoxide dismutase activity is significantly lower in end-stage osteoarthritic cartilage than non-osteoarthritic cartilage. PLoS ONE, 2018, 13, e0203944.	2.5	15
113	Overlapping Projections of Neighboring Direct and Indirect Pathway Neostriatal Neurons to Globus Pallidus External Segment. IScience, 2020, 23, 101409.	4.1	15
114	Inefficient phagosome maturation in infant macrophages. Biochemical and Biophysical Research Communications, 2008, 375, 113-118.	2.1	14
115	p150glued-Associated Disorders Are Caused by Activation of Intrinsic Apoptotic Pathway. PLoS ONE, 2014, 9, e94645.	2.5	14
116	Ethambutol neutralizes lysosomes and causes lysosomal zinc accumulation. Biochemical and Biophysical Research Communications, 2016, 471, 109-116.	2.1	14
117	Resveratrol affects undifferentiated and differentiated PC12 cells differently, particularly with respect to possible differences in mitochondrial and autophagic functions. European Journal of Cell Biology, 2013, 92, 30-43.	3.6	13
118	Possible involvement of iron-induced oxidative insults in neurodegeneration. Neuroscience Letters, 2015, 588, 29-35.	2.1	13
119	Cerebellar Neurodegeneration and Neuronal Circuit Remodeling in Golgi pH Regulator-Deficient Mice. ENeuro, 2019, 6, ENEURO.0427-18.2019.	1.9	13
120	Phase-separated protein droplets of amyotrophic lateral sclerosis-associated p62/SQSTM1 mutants show reduced inner fluidity. Journal of Biological Chemistry, 2021, 297, 101405.	3.4	13
121	A case of multicentric Castleman's disease demonstrating severe eosinophilia and enhanced production of interleukin-5. European Journal of Haematology, 2003, 70, 115-118.	2.2	12
122	&lt;b&gt;Cellular localization and tissue distribution of endogenous DFCP1 pr&lt;/b&gt;&lt;b&gt;otein &lt;/b&gt;. Biomedical Research, 2015, 36, 121-133.	0.9	12
123	Suppression of Ischemia-Induced Hippocampal Pyramidal Neuron Death by Hyaluronan Tetrasaccharide through Inhibition of Toll-Like Receptor 2 Signaling Pathway. American Journal of Pathology, 2016, 186, 2143-2151.	3.8	12
124	Exclusive labeling of direct and indirect pathway neurons in the mouse neostriatum by an adeno-associated virus vector with Cre/lox system. STAR Protocols, 2021, 2, 100230.	1.2	12
125	Three-Dimensional Structure of Dendritic Spines Revealed by Volume Electron Microscopy Techniques. Frontiers in Neuroanatomy, 2021, 15, 627368.	1.7	12
126	Blockade of TNF receptor superfamily 1 (TNFR1)â€“dependent and TNFR1-independent cell death is crucial for normal epidermal differentiation. Journal of Allergy and Clinical Immunology, 2019, 143, 213-228.e10.	2.9	11



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127	Oxytocin induced labor causes region and sex-specific transient oligodendrocyte cell death in neonatal mouse brain. <i>Journal of Obstetrics and Gynaecology Research</i> , 2020, 46, 66-78.	1.3	11
128	Multi-scale light microscopy/electron microscopy neuronal imaging from brain to synapse with a tissue clearing method, ScaleSF. <i>IScience</i> , 2022, 25, 103601.	4.1	11
129	Differential roles of NF-Y transcription factor in ER chaperone expression and neuronal maintenance in the CNS. <i>Scientific Reports</i> , 2016, 6, 34575.	3.3	10
130	Ablation of Csk in neural crest lineages causes corneal anomaly by deregulating collagen fibril organization and cell motility. <i>Developmental Biology</i> , 2008, 315, 474-488.	2.0	9
131	<i>Cordyceps militaris</i> improves the survival of Dahl salt-sensitive hypertensive rats possibly via influences of mitochondria and autophagy functions. <i>Heliyon</i> , 2017, 3, e00462.	3.2	9
132	Phosphorylated recombinant HSP27 protects the brain and attenuates blood-brain barrier disruption following stroke in mice receiving intravenous tissue-plasminogen activator. <i>PLoS ONE</i> , 2018, 13, e0198039.	2.5	9
133	Establishment of an in vitro model for analyzing mitochondrial ultrastructure in PRKN-mutated patient iPSC-derived dopaminergic neurons. <i>Molecular Brain</i> , 2021, 14, 58.	2.6	8
134	Nitric oxide-mediated injury of interstitial cells of Cajal and intestinal dysmotility under endotoxemia of mice. <i>Biomedical Research</i> , 2014, 35, 251-262.	0.9	7
135	Human Herpesvirus 6A U14 Is Important for Virus Maturation. <i>Journal of Virology</i> , 2016, 90, 1677-1681.	3.4	7
136	Cathepsin D is specifically inhibited by deoxyribonucleic acids. <i>FEBS Letters</i> , 2002, 517, 281-284.	2.8	6
137	Tuberin activates and controls the distribution of Rac1 via association with p62 and ubiquitin through the mTORC1 signaling pathway. <i>International Journal of Oncology</i> , 2013, 43, 447-456.	3.3	6
138	Cathepsin L-deficiency enhances liver regeneration after partial hepatectomy. <i>Life Sciences</i> , 2019, 221, 293-300.	4.3	6
139	An optimized protocol for immuno-electron microscopy of endogenous LC3. <i>Autophagy</i> , 2022, 18, 3004-3022.	9.1	6
140	Theoretical Investigation of Transmission-Type Phase Shifter Made with Muscovite Mica Crystal for 1-keV Region. <i>AIP Conference Proceedings</i> , 2007, , .	0.4	5
141	Insulin2Q104del (Kuma) mutant mice develop diabetes with dominant inheritance. <i>Scientific Reports</i> , 2020, 10, 12187.	3.3	4
142	CTLA-2 Alpha Is a Potent Inhibitor of Angiogenesis in Murine Ocular Tissue. <i>Antioxidants</i> , 2021, 10, 456.	5.1	3
143	Purification, cDNA cloning, and secretory properties of FLRG protein from PC12 cells and the distribution of FLRG mRNA and protein in rat tissues. <i>Archives of Histology and Cytology</i> , 2003, 66, 367-381.	0.2	2
144	<b>Ultrastructural analyses of the rat esophageal stratified epithelium under normal conditions and in chronic reflux esophagitis </b>. <i>Archives of Histology and Cytology</i> , 2011, 73, 199-214.	0.2	2

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145	Experimental evaluation of enhancement of diffraction efficiency by overcoating diamond-like carbon (DLC) on soft x-ray laminar-type gratings. AIP Conference Proceedings, 2016, , .	0.4	2
146	Enhancement of diffraction efficiency of laminar-type diffraction gratings overcoated with diamond-like carbon (DLC) in soft x-ray region. AIP Conference Proceedings, 2016, , .	0.4	2
147	Cellular autophagy in $\beta$ cells plays a role in the maintenance of islet architecture. Journal of the Endocrine Society, 2019, 3, 1979-1992.	0.2	2
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