CITATION REPORT List of articles citing



DOI: 10.1073/pnas.1404651111
Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 9633-8.

Source: https://exaly.com/paper-pdf/57748517/citation-report.pdf

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
396	Bioenergetic dysfunction and inflammation in Alzheimer's disease: a possible connection. <i>Frontiers in Aging Neuroscience</i> , 2014 , 6, 311	5.3	26
395	Does metabolic failure at the synapse cause Alzheimer's disease?. 2014 , 83, 802-8		8
394	Neuroscience. Astrocytes eyeball axonal mitochondria. 2014 , 345, 385-6		7
393	Mitochondrial dynamics in astrocytes. 2014 , 42, 1302-10		31
392	Differentiation of human ESCs to retinal ganglion cells using a CRISPR engineered reporter cell line. <i>Scientific Reports</i> , 2015 , 5, 16595	4.9	107
391	Neuronal Mitochondria are Different. 2015 , 219-239		
390	The morphological difference between glaucoma and other optic neuropathies. 2015 , 35 Suppl 1, S8-S	21	46
389	. 2015,		
388	MicroRNA Expression in the Glaucomatous Retina. 2015 , 56, 7971-82		34
387	The established and emerging roles of astrocytes and microglia in amyotrophic lateral sclerosis and frontotemporal dementia. 2015 , 9, 414		72
386	Neuroinflammation in Multiple System Atrophy: Response to and Cause of Esynuclein Aggregation. 2015 , 9, 437		55
385	Mitochondrial Dysfunction and Esynuclein Synaptic Pathology in Parkinson's Disease: Who's on First?. 2015 , 2015, 108029		55
384	Mitochondrial Genetics and Optic Neuropathy. 2015 , 1, 97-124		4
383	Radiation pretreatment does not protect the rat optic nerve from elevated intraocular pressure-induced injury. 2014 , 56, 412-9		17
382	Astrocytes Control Synapse Formation, Function, and Elimination. 2015 , 7, a020370		354
381	Mitochondrial lysates induce inflammation and Alzheimer's disease-relevant changes in microglial and neuronal cells. 2015 , 45, 305-18		51
380	Tools and resources for analyzing gene expression changes in glaucomatous neurodegeneration. 2015 , 141, 99-110		11

(2016-2015)

379	Mitochondrial DNA in Tumor Initiation, Progression, and Metastasis: Role of Horizontal mtDNA Transfer. 2015 , 75, 3203-8	44
378	Mitochondrial DNA: A disposable genome?. 2015 , 1852, 1805-9	39
377	The non-human primate experimental glaucoma model. 2015 , 141, 57-73	43
376	The Organization of Mitochondrial Quality Control and Life Cycle in the Nervous System In Vivo in the Absence of PINK1. 2015 , 35, 9391-401	55
375	Mitochondria, autophagy and age-associated neurodegenerative diseases: New insights into a complex interplay. 2015 , 1847, 1412-23	65
374	Glucose and oxygen metabolism after penetrating ballistic-like brain injury. 2015 , 35, 773-80	18
373	Mitochondrial morphology differences and mitophagy deficit in murine glaucomatous optic nerve. 2015 , 56, 1437-46	69
372	Long-distance autophagy. 2015 , 11, 193-4	7
371	Moniliform deformation of retinal ganglion cells by formaldehyde-based fixatives. 2015, 523, 545-64	12
370	Evidence to support mitochondrial neuroprotection, in severe traumatic brain injury. 2015 , 47, 133-48	38
369	Targeting Glial Mitochondrial Function for Protection from Cerebral Ischemia: Relevance, Mechanisms, and the Role of MicroRNAs. 2016 , 2016, 6032306	19
368	Experimental Glaucoma Causes Optic Nerve Head Neural Rim Tissue Compression: A Potentially Important Mechanism of Axon Injury. 2016 , 57, 4403-11	40
367	Serotonin 1A Receptors on Astrocytes as a Potential Target for the Treatment of Parkinson's Disease. 2016 , 23, 686-700	35
366	Mitochondria Know No Boundaries: Mechanisms and Functions of Intercellular Mitochondrial Transfer. <i>Frontiers in Cell and Developmental Biology</i> , 2016 , 4, 107	194
365	Mitochondrial DNA damage induced autophagy, cell death, and disease. 2016 , 21, 42-54	97
364	Astrocyte Structural and Molecular Response to Elevated Intraocular Pressure Occurs Rapidly and Precedes Axonal Tubulin Rearrangement within the Optic Nerve Head in a Rat Model. 2016 , 11, e0167364	36
363	Mitochondria and mtDNA integrity in stem cell function and differentiation. 2016, 38, 83-89	7
362	Intercellular mitochondrial transfer: bioenergetic crosstalk between cells. 2016 , 38, 97-101	45

361	Horizontal transfer of mitochondria between mammalian cells: beyond co-culture approaches. 2016 , 38, 75-82		53
360	The rise of mitochondria in medicine. <i>Mitochondrion</i> , 2016 , 30, 105-16	.9	258
359	Autophagy in the eye: Development, degeneration, and aging. 2016, 55, 206-245		133
358	Autophagy core machinery: overcoming spatial barriers in neurons. 2016 , 94, 1217-1227		67
357	Extracellular Mitochondria and Mitochondrial Components Act as Damage-Associated Molecular Pattern Molecules in the Mouse Brain. 2016 , 11, 622-628		21
356	Mitochondrial Dynamics in Visual Cortex Are Limited In Vivo and Not Affected by Axonal Structural Plasticity. 2016 , 26, 2609-2616		53
355	Mitochondrial Transfer from Astrocytes to Neurons following Ischemic Insult: Guilt by Association?. <i>Cell Metabolism</i> , 2016 , 24, 376-378	4.6	33
354	Transfer of mitochondria from astrocytes to neurons after stroke. 2016 , 535, 551-5		561
353	Compartmentalized Regulation of Parkin-Mediated Mitochondrial Quality Control in the Drosophila Nervous System In Vivo. 2016 , 36, 7375-91		50
352	Review: Insights into molecular mechanisms of disease in neurodegeneration with brain iron accumulation: unifying theories. 2016 , 42, 220-41		75
351	Mitochondrial Dysfunction in Neurodegenerative Disorders. 2016,		2
350	Impact of lysosome status on extracellular vesicle content and release. 2016 , 32, 65-74		121
349	Mitochondrial DNA in CSF distinguishes LRRK2 from idiopathic Parkinson's disease. <i>Neurobiology of Disease</i> , 2016 , 94, 10-7	.5	30
348	Mitochondrial Signaling and Neurodegeneration. 2016 , 107-137		3
347	Mitochondrial DNA differentiates Alzheimer's disease from Creutzfeldt-Jakobldisease. 2016 , 12, 546-55		19
346	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). 2016 , 12, 1-222		3838
345	Mechanics of mitochondrial motility in neurons. 2016 , 38, 90-9		43
344	Cell-free mitochondrial DNA in CSF is associated with early viral rebound, inflammation, and severity of neurocognitive deficits in HIV infection. 2016 , 22, 191-200		22

343	Glia-neuron interactions in the mammalian retina. 2016 , 51, 1-40	374
342	BAX to basics: How the BCL2 gene family controls the death of retinal ganglion cells. 2017 , 57, 1-25	104
341	A Rab5 endosomal pathway mediates Parkin-dependent mitochondrial clearance. <i>Nature Communications</i> , 2017 , 8, 14050	107
340	Intercellular Signalling Cross-Talk: To Kill, To Heal and To Rejuvenate. 2017 , 26, 648-659	16
339	Biogenetic and morphofunctional heterogeneity of mitochondria: the case of synaptic mitochondria. 2017 , 28, 363-373	26
338	Biological aspects of axonal damage in glaucoma: A brief review. 2017 , 157, 5-12	42
337	C. elegans neurons jettison protein aggregates and mitochondria under neurotoxic stress. 2017 , 542, 367-371	176
336	Biomechanical aspects of axonal damage in glaucoma: A brief review. 2017 , 157, 13-19	46
335	PINK1 and Parkin: emerging themes in mitochondrial homeostasis. 2017 , 45, 83-91	190
334	The mobility of mitochondria: Intercellular trafficking in health and disease. 2017 , 44 Suppl 1, 15-20	17
333	Genetics of glaucoma. 2017 , 26, R21-R27	151
332	Connecting mitochondrial dynamics and life-or-death events via Bcl-2 family proteins. 2017 , 109, 141-161	49
331	Early immune responses are independent of RGC dysfunction in glaucoma with complement component C3 being protective. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E3839-E3848	56
330	Functional diversity of astrocytes in neural circuit regulation. 2017 , 18, 31-41	291
329	Reactive astrocytes function as phagocytes after brain ischemia via ABCA1-mediated pathway. Nature Communications, 2017, 8, 28	153
328	Sleep Loss Promotes Astrocytic Phagocytosis and Microglial Activation in Mouse Cerebral Cortex. 2017 , 37, 5263-5273	143
327	Interactions between Sirt1 and MAPKs regulate astrocyte activation induced by brain injury in vitro and in vivo. 2017 , 14, 67	47
326	The connective tissue phenotype of glaucomatous cupping in the monkey eye - Clinical and research implications. 2017 , 59, 1-52	45

325	Metabolic Dysfunction in Parkinson's Disease: Bioenergetics, Redox Homeostasis and Central Carbon Metabolism. 2017 , 133, 12-30		60
324	Mitostasis in Neurons: Maintaining Mitochondria in an Extended Cellular Architecture. <i>Neuron</i> , 2017 , 96, 651-666	13.9	231
323	Macropinocytic entry of isolated mitochondria in epidermal growth factor-activated human osteosarcoma cells. <i>Scientific Reports</i> , 2017 , 7, 12886	4.9	19
322	Optic neuropathies: the tip of the neurodegeneration iceberg. 2017 , 26, R139-R150		55
321	Mitochondrial Nanotunnels. 2017, 27, 787-799		56
320	Mitochondrial dynamics, transport, and quality control: A bottleneck for retinal ganglion cell viability in optic neuropathies. <i>Mitochondrion</i> , 2017 , 36, 186-192	4.9	56
319	Neuroprotection in Glaucoma: Animal Models and Clinical Trials. 2017, 3, 91-120		50
318	Mitochondrial fusion, fission, and mitochondrial toxicity. 2017 , 391, 42-53		193
317	Protein astrogliopathies in human neurodegenerative diseases and aging. 2017 , 27, 675-690		56
316	Sub-mitochondrial localization of the genetic-tagged mitochondrial intermembrane space-bridging components Mic19, Mic60 and Sam50. 2017 , 130, 3248-3260		19
315	Mitochondrial dysfunction in glial cells: Implications for neuronal homeostasis and survival. 2017 , 391, 109-115		70
314	Cerebrospinal fluid cell-free mitochondrial DNA is associated with HIV replication, iron transport, and mild HIV-associated neurocognitive impairment. 2017 , 14, 72		23
313	Extracellular Mitochondria in Cerebrospinal Fluid and Neurological Recovery After Subarachnoid Hemorrhage. 2017 , 48, 2231-2237		63
312	Neuroglial Crosstalk by Mitochondria. 2017 , 33, 111-112		2
311	Abnormalities of Mitochondrial Dynamics in Neurodegenerative Diseases. 2017, 6,		121
310	Assessment of Autophagy in Neurons and Brain Tissue. <i>Cells</i> , 2017 , 6,	7.9	28
309	Potential Modes of Intercellular	6.3	54
308	Functional Mitochondria in Health and Disease. 2017 , 8, 296		142

(2018-2017)

307	Mitochondria-Derived Damage-Associated Molecular Patterns in Neurodegeneration. <i>Frontiers in Immunology</i> , 2017 , 8, 508	59
306	Mitophagy Transcriptome: Mechanistic Insights into Polyphenol-Mediated Mitophagy. 2017 , 2017, 9028435	25
305	Artificial Mitochondria Transfer: Current Challenges, Advances, and Future Applications. 2017 , 2017, 7610414	61
304	Astrocytes in the Optic Nerve Head of Glaucomatous Mice Display a Characteristic Reactive Phenotype. 2017 , 58, 924-932	35
303	Mitophagy. 2017 , 139-177	1
302	Mitochondrial Genome Transfer to Tumor Cells Breaks The Rules and Establishes a New Precedent in Cancer Biology. 2018 , 5, e1023929	15
301	Neuronal autophagy and intercellular regulation of homeostasis in the brain. 2018, 51, 29-36	60
300	Optic Nerve Head Drusen: An Update. 2018 , 42, 367-384	28
299	Stem cell-derived mitochondria transplantation: a novel strategy and the challenges for the treatment of tissue injury. 2018 , 9, 106	34
298	OPA1: How much do we know to approach therapy?. 2018 , 131, 199-210	29
297	Mitochondrial Toxicity. 2018 , 162, 15-23	81
296	Mitochondria at the neuronal presynapse in health and disease. 2018 , 19, 63-80	302
295	New roles of reactive astrocytes in the brain; an organizer of cerebral ischemia. 2018, 119, 107-114	33
294	Three dimensional electron microscopy reveals changing axonal and myelin morphology along normal and partially injured optic nerves. <i>Scientific Reports</i> , 2018 , 8, 3979 4.9	22
293	Ultrastructural histometric evidence for expansion of the sustentacular cell envelope in response to hypersecretion of adrenal chromaffin cells in mice. 2018 , 93, 75-81	1
292	Autophagy in hemorrhagic stroke: Mechanisms and clinical implications. 2018 , 163-164, 79-97	31
291	Spatiotemporal control of mitochondrial network dynamics in astroglial cells. 2018 , 500, 17-25	6
290	The NAD-Dependent Family of Sirtuins in Cerebral Ischemia and Preconditioning. 2018 , 28, 691-710	22

289	Shedding light on mitophagy in neurons: what is the evidence for PINK1/Parkin mitophagy in vivo?. <i>Cellular and Molecular Life Sciences</i> , 2018 , 75, 1151-1162	.0.3	38
288	Autophagic dysfunction and autophagosome escape in the mdx mus musculus model of Duchenne muscular dystrophy. 2018 , 222, e12944		15
287	Phagocytic clearance of presynaptic dystrophies by reactive astrocytes in Alzheimer's disease. <i>Glia</i> , 2018 , 66, 637-653)	87
286	Glaucoma. 2018,		8
285	Single-Cell Dissociation and Characterization in the Murine Retina and Optic Nerve. 2018 , 1695, 311-334		1
284	Compartment-specific dynamics and functions of autophagy in neurons. 2018 , 78, 298-310		42
283	Regulation of mitochondrial dynamics in astrocytes: Mechanisms, consequences, and unknowns. <i>Glia</i> , 2018 , 66, 1213-1234)	66
282	Extracellular Mitochondria for Therapy and Diagnosis in Acute Central Nervous System Injury. 2018 , 75, 119-122		43
281	Mammalian mitophagy - from in⊡itro molecules to in⊡ivo models. 2018 , 285, 1185-1202		82
280	Mitochondrial transfer between cells: Methodological constraints in cell culture and animal models. 2018 , 552, 75-80		15
279	Understanding the Relevance of Aging-Related Tau Astrogliopathy (ARTAG). 2018, 1, 339-350		6
278	Report on the National Eye Institute's Audacious Goals Initiative: Creating a Cellular Environment for Neuroregeneration. 2018 , 5,		7
277	Mitochondrial Function in Alzheimer Disease: Focus on Astrocytes. 2018,		2
276	Metabolic reprogramming of mitochondrial respiration in metastatic cancer. 2018 , 37, 643-653		22
275	Esynuclein Trafficking in Parkinson's Disease: Insights From Fly and Mouse Models. 2018 , 10, 1759091418	8125	87
274	Autophagy in Health and Disease. 2018,		1
273	Emerging Connections: Synaptic Autophagy in Brain Aging and Disease. 2018, 135-152		
272	The Endolysosomal System and Proteostasis: From Development to Degeneration. 2018 , 38, 9364-9374		49

271	Intercellular Communication in Tumor Biology: A Role for Mitochondrial Transfer. 2018, 8, 344	27
270	Mitochondria at the Base of Neuronal Innate Immunity in Alzheimer and Parkinson Diseases. 2018,	1
269	Mechanisms of Endogenous Neuroprotective Effects of Astrocytes in Brain Injury. 2018, 2018, 6501031	72
268	Synaptic Mitochondria are More Susceptible to Traumatic Brain Injury-induced Oxidative Damage and Respiratory Dysfunction than Non-synaptic Mitochondria. 2018 , 386, 265-283	29
267	Moving mitochondria⊡ Breathing new signaling into asthmatic airways. <i>Redox Biology</i> , 2018 , 18, 244-245 _{11.3}	
266	Age-Related Changes in the Expression of the Circadian Clock Protein PERIOD in Glial Cells. 2017, 8, 1131	10
265	Emerging Concepts in Brain Glucose Metabolic Functions: From Glucose Sensing to How the Sweet Taste of Glucose Regulates Its Own Metabolism in Astrocytes and Neurons. 2018 , 20, 281-300	18
264	Neutrophils in traumatic brain injury (TBI): friend or foe?. 2018 , 15, 146	56
263	Intra- and Intercellular Quality Control Mechanisms of Mitochondria. <i>Cells</i> , 2017 , 7,	80
262	Q&A: Trash talk: disposal and remote degradation of neuronal garbage. 2018 , 16, 17	3
262 261	Q&A: Trash talk: disposal and remote degradation of neuronal garbage. 2018, 16, 17 Cell adhesion-mediated mitochondria transfer contributes to mesenchymal stem cell-induced chemoresistance on T cell acute lymphoblastic leukemia cells. 2018, 11, 11	93
	Cell adhesion-mediated mitochondria transfer contributes to mesenchymal stem cell-induced	
261	Cell adhesion-mediated mitochondria transfer contributes to mesenchymal stem cell-induced chemoresistance on T cell acute lymphoblastic leukemia cells. 2018 , 11, 11	93
261 260	Cell adhesion-mediated mitochondria transfer contributes to mesenchymal stem cell-induced chemoresistance on T cell acute lymphoblastic leukemia cells. 2018 , 11, 11 Mechanisms of mitophagy in cellular homeostasis, physiology and pathology. 2018 , 20, 1013-1022	93 459
261 260 259	Cell adhesion-mediated mitochondria transfer contributes to mesenchymal stem cell-induced chemoresistance on T cell acute lymphoblastic leukemia cells. 2018 , 11, 11 Mechanisms of mitophagy in cellular homeostasis, physiology and pathology. 2018 , 20, 1013-1022 Ultrastructural Morphology of the Optic Nerve Head in Aged and Glaucomatous Mice. 2018 , 59, 3984-3996	93 459 14
261 260 259 258	Cell adhesion-mediated mitochondria transfer contributes to mesenchymal stem cell-induced chemoresistance on T cell acute lymphoblastic leukemia cells. 2018, 11, 11 Mechanisms of mitophagy in cellular homeostasis, physiology and pathology. 2018, 20, 1013-1022 Ultrastructural Morphology of the Optic Nerve Head in Aged and Glaucomatous Mice. 2018, 59, 3984-3996 Mechanisms Orchestrating Mitochondrial Dynamics for Energy Homeostasis. 2018, 430, 3922-3941	93 459 14 77
261 260 259 258 257	Cell adhesion-mediated mitochondria transfer contributes to mesenchymal stem cell-induced chemoresistance on T cell acute lymphoblastic leukemia cells. 2018, 11, 11 Mechanisms of mitophagy in cellular homeostasis, physiology and pathology. 2018, 20, 1013-1022 Ultrastructural Morphology of the Optic Nerve Head in Aged and Glaucomatous Mice. 2018, 59, 3984-3996 Mechanisms Orchestrating Mitochondrial Dynamics for Energy Homeostasis. 2018, 430, 3922-3941 Neuronal endosomes to lysosomes: A journey to the soma. 2018, 217, 2977-2979 Histological investigation of human glaucomatous eyes: Extracellular fibrotic changes and galectin	93 459 14 77 17

253	Intracellular and Intercellular Mitochondrial Dynamics in Parkinson's Disease. <i>Frontiers in Neuroscience</i> , 2019 , 13, 930	5.1	29
252	The wild sweetpotato (Ipomoea trifida) genome provides insights into storage root development. 2019 , 19, 119		16
251	Mitocellular communication: Shaping health and disease. 2019 , 366, 827-832		73
250	Mitochondrial Transfer Ameliorates Cognitive Deficits, Neuronal Loss, and Gliosis in Alzheimer's Disease Mice. 2019 , 72, 587-604		30
249	Mitochondria-hubs for regulating cellular biochemistry: emerging concepts and networks. 2019 , 9, 1901	26	36
248	Neuroprotection by mesenchymal stem cell (MSC) administration is enhanced by local cooling infusion (LCI) in ischemia. <i>Brain Research</i> , 2019 , 1724, 146406	3.7	9
247	Targeted OMA1 therapies for cancer. 2019 , 145, 2330-2341		16
246	A Novel Reporter Mouse Uncovers Endogenous Brn3b Expression. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	2
245	Four-repeat tauopathies. 2019 , 180, 101644		77
244	Mitophagy in Cancer: A Tale of Adaptation. <i>Cells</i> , 2019 , 8,	7.9	94
243	Contribution of astrocytes to metabolic dysfunction in the Alzheimer's disease brain. 2019 , 400, 1113-17	127	14
243	Contribution of astrocytes to metabolic dysfunction in the Alzheimer's disease brain. 2019 , 400, 1113-12. The Role of Astrocytes in the Central Nervous System Focused on BK Channel and Heme Oxygenase Metabolites: A Review. 2019 , 8,	127	37
	The Role of Astrocytes in the Central Nervous System Focused on BK Channel and Heme	127	
242	The Role of Astrocytes in the Central Nervous System Focused on BK Channel and Heme Oxygenase Metabolites: A Review. 2019 , 8,	127	37
242	The Role of Astrocytes in the Central Nervous System Focused on BK Channel and Heme Oxygenase Metabolites: A Review. 2019, 8, Mitochondrial Dysfunction in Parkinson's Disease-Cause or Consequence?. 2019, 8, Mitophagy in human astrocytes treated with the antiretroviral drug Efavirenz: Lack of evidence or evidence of the lack. 2019, 168, 36-50 Mitochondrial interaction with the endosomal compartment in endocytosis and mitochondrial	4.9	37 8 ₅
242 241 240	The Role of Astrocytes in the Central Nervous System Focused on BK Channel and Heme Oxygenase Metabolites: A Review. 2019, 8, Mitochondrial Dysfunction in Parkinson's Disease-Cause or Consequence?. 2019, 8, Mitophagy in human astrocytes treated with the antiretroviral drug Efavirenz: Lack of evidence or evidence of the lack. 2019, 168, 36-50 Mitochondrial interaction with the endosomal compartment in endocytosis and mitochondrial		37 85 4
242 241 240 239	The Role of Astrocytes in the Central Nervous System Focused on BK Channel and Heme Oxygenase Metabolites: A Review. 2019, 8, Mitochondrial Dysfunction in Parkinson's Disease-Cause or Consequence?. 2019, 8, Mitophagy in human astrocytes treated with the antiretroviral drug Efavirenz: Lack of evidence or evidence of the lack. 2019, 168, 36-50 Mitochondrial interaction with the endosomal compartment in endocytosis and mitochondrial transfer. <i>Mitochondrion</i> , 2019, 49, 284-288 Trogocytosis by Entamoeba histolytica Mediates Acquisition and Display of Human Cell Membrane		37 85 4 11

235	Exosomes in Allergic Airway Diseases. 2019 , 19, 26	17
234	Mitochondrial Uncoupling Protein 2 Knock-out Promotes Mitophagy to Decrease Retinal Ganglion Cell Death in a Mouse Model of Glaucoma. 2019 , 39, 3582-3596	18
233	Anatomy and Physiology of optic nerve head. 2019 , 47-53	
232	Intraocular and Intracranial Pressure Gradient in Glaucoma. 2019,	2
231	A comparative map of macroautophagy and mitophagy in the vertebrate eye. 2019 , 15, 1296-1308	30
230	Optic Nerve Head Astrocytes Display Axon-Dependent and -Independent Reactivity in Response to Acutely Elevated Intraocular Pressure. 2019 , 60, 312-321	12
229	Forms of extracellular mitochondria and their impact in health. <i>Mitochondrion</i> , 2019 , 48, 16-30 4.9	49
228	Surveillance and transportation of mitochondria in neurons. 2019 , 57, 87-93	13
227	Mitochondria and Alzheimer⊞ Disease: An Electron Microscopy Study. 2019 ,	1
226	Endoplasmic reticulum mediates mitochondrial transfer within the osteocyte dendritic network. 2019 , 5, eaaw7215	21
225	Pathological mitochondria in neurons and perivascular astrocytic endfeet of idiopathic normal pressure hydrocephalus patients. 2019 , 16, 39	14
224	Rhes, a striatal-enriched protein, promotes mitophagy via Nix. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 23760-23771	19
223	Mitochondrial behavior during axon regeneration/degeneration in vivo. 2019 , 139, 42-47	15
222	Chemoresistance caused by the microenvironment of glioblastoma and the corresponding solutions. 2019 , 109, 39-46	25
221	Astrocyte Signaling in the Neurovascular Unit After Central Nervous System Injury. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	37
220	Mitochondrial proteostasis in the context of cellular and organismal health and aging. 2019 , 294, 5396-5407	83
219	Autophagy in C. elegans development. 2019 , 447, 103-125	22
218	Glia-specific autophagy dysfunction in ALS. 2020 , 99, 172-182	20

217	Extracellular mitochondria released from traumatized brains induced platelet procoagulant activity. 2020 , 105, 209-217	13
216	Outstanding Questions in Mitophagy: What We Do and Do Not Know. 2020 , 432, 206-230	79
215	Reducing INS-IGF1 signaling protects against non-cell autonomous vesicle rupture caused by SNCA spreading. 2020 , 16, 878-899	16
214	Persistent remodeling and neurodegeneration in late-stage retinal degeneration. 2020 , 74, 100771	33
213	Differential regulation of autophagy during metabolic stress in astrocytes and neurons. 2020 , 16, 1651-1667	17
212	Therapeutic use of extracellular mitochondria in CNS injury and disease. 2020 , 324, 113114	33
211	Potential mechanisms of retinal ganglion cell type-specific vulnerability in glaucoma. 2020 , 103, 562-571	7
21 0	Astrocytes autophagy in aging and neurodegenerative disorders. 2020 , 122, 109691	27
209	Cellular Specificity and Inter-cellular Coordination in the Brain Bioenergetic System: Implications for Aging and Neurodegeneration. 2019 , 10, 1531	13
208	Mitochondrial DNA Haplotypes as Genetic Modifiers of Cancer. 2020 , 6, 1044-1058	2
207	Mitochondrial donation in translational medicine; from imagination to reality. 2020 , 18, 367	6
206	From Cell Entry to Engraftment of Exogenous Mitochondria. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	4
205	Output Regulation and Function Optimization of Mitochondria in Eukaryotes. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 598112	2
204	Alternative mitochondrial quality control mediated by extracellular release. 2021 , 17, 2962-2974	18
203	Autophagy and Redox Homeostasis in Parkinson's: A Crucial Balancing Act. 2020 , 2020, 8865611	8
202	Mesenchymal Stem Cell Therapy and Alzheimer's Disease: Current Status and Future Perspectives. 2020 , 77, 1-14	13
201	DJ-1 in astrocytic neuroprotection to oxidative stress. 2020 , 95-108	
2 00	A connectomics approach to understanding a retinal disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 18780-18787	3

199	Inter and Intracellular mitochondrial trafficking in health and disease. 2020, 62, 101128		23
198	Mitochondrial movement between mammalian cells: an emerging physiological phenomenon. 2020 , 515-546		1
197	A Network of Macrophages Supports Mitochondrial Homeostasis in the Heart. 2020 , 183, 94-109.e23		126
196	Mitophagy and the Brain. International Journal of Molecular Sciences, 2020, 21,	6.3	13
195	Targeting Mitophagy in Alzheimer's Disease. 2020 , 78, 1273-1297		3
194	Neuron-Astrocyte Interactions in Parkinson's Disease. <i>Cells</i> , 2020 , 9,	7.9	20
193	Daily mitochondrial dynamics in cone photoreceptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 28816-28827	11.5	11
192	Reweaving the Fabric of Mitochondrial Contact Sites in Astrocytes. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 592651	5.7	2
191	Effects of O-GlcNAcylation on functional mitochondrial transfer from astrocytes. 2021 , 41, 1523-1535		6
190	Tunneling Nanotubes and the Eye: Intercellular Communication and Implications for Ocular Health and Disease. 2020 , 2020, 7246785		10
189	Biting Off What Can Be Chewed: Trogocytosis in Health, Infection, and Disease. 2020 , 88,		19
188	Neuroglial transmitophagy and Parkinson's disease. <i>Glia</i> , 2020 , 68, 2277-2299	9	23
187	Activation of astrocytic sigma-1 receptor exerts antidepressant-like effect via facilitating CD38-driven mitochondria transfer. <i>Glia</i> , 2020 , 68, 2415-2426	9	5
186	Ischemia-Triggered Glutamate Excitotoxicity From the Perspective of Glial Cells. 2020, 14, 51		79
185	Astrocytes rescue neuronal health after cisplatin treatment through mitochondrial transfer. 2020 , 8, 36		24
184	Iron deficiency-induced loss of skeletal muscle mitochondrial proteins and respiratory capacity; the role of mitophagy and secretion of mitochondria-containing vesicles. 2020 , 34, 6703-6717		13
183	Regenerative Potential of Carbon Monoxide in Adult Neural Circuits of the Central Nervous System. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	12
182	The Hyperoxic-Hypoxic Paradox. 2020 , 10,		35

181	Emerging model systems and treatment approaches for Leber's hereditary optic neuropathy: Challenges and opportunities. 2020 , 1866, 165743		16
180	Astrocyte mitochondria: Central players and potential therapeutic targets for neurodegenerative diseases and injury. 2020 , 59, 101039		10
179	Regulation and roles of mitophagy at synapses. 2020 , 187, 111216		18
178	The effects of A1/A2 astrocytes on oligodendrocyte linage cells against white matter injury under prolonged cerebral hypoperfusion. <i>Glia</i> , 2020 , 68, 1910-1924	9	21
177	The Mitochondria-Derived Peptide Humanin Improves Recovery from Intracerebral Hemorrhage: Implication of Mitochondria Transfer and Microglia Phenotype Change. 2020 , 40, 2154-2165		23
176	Astrocyte-T cell crosstalk regulates region-specific neuroinflammation. <i>Glia</i> , 2020 , 68, 1361-1374	9	18
175	Mitochondrial Adaptations in the Growing Heart. 2020 , 31, 308-319		8
174	Astroglia and Tau: New Perspectives. Frontiers in Aging Neuroscience, 2020 , 12, 96	5.3	39
173	Tackling mitochondrial diversity in brain function: from animal models to human brain organoids. 2020 , 123, 105760		5
172	Role of glia in optic nerve. 2021 , 81, 100886		7
171	Astroglial asthenia and loss of function, rather than reactivity, contribute to the ageing of the brain. 2021 , 473, 753-774		25
170	Mitochondrial transplant to replenish damaged mitochondria: A novel therapeutic strategy for neurodegenerative diseases?. 2021 , 177, 49-63		1
169	[Anti-oxidants in astrocytes as target of neuroprotection for Parkinson's disease]. 2021 , 156, 14-20		0
168	PCR-Based Determination of Mitochondrial DNA Copy Number in Multiple Species. 2021 , 2310, 91-111		3
167	Endoplasmic Reticulum Interaction Supports Energy Production and Redox Homeostasis in Mitochondria Released from Astrocytes. 2021 , 12, 1045-1054		5
166	Characterization of Subcellular Organelles in Cortical Perisynaptic Astrocytes. 2020 , 14, 573944		7
165	Mitochondrial Dysfunction in Astrocytes: A Role in Parkinson's Disease?. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 608026	5.7	13
164	Mitochondrial biogenesis and mitophagy. 2021 , 35-90		1

Role of quercetin in the glial mitochondria: Implications for health and disease. **2021**, 577-592

162	BNIP3L/NIX-mediated mitophagy protects against glucocorticoid-induced synapse defects. <i>Nature Communications</i> , 2021 , 12, 487	17.4	27
161	Different Roles of Mitochondria in Cell Death and Inflammation: Focusing on Mitochondrial Quality Control in Ischemic Stroke and Reperfusion. 2021 , 9,		16
160	Intercellular mitochondrial transfer as a means of tissue revitalization. 2021, 6, 65		37
159	Stem cell-derived mitochondria transplantation: A promising therapy for mitochondrial encephalomyopathy. 2021 , 27, 733-742		7
158	3D Neuronal Mitochondrial Morphology in Axons, Dendrites, and Somata of the Aging Mouse Hippocampus.		O
157	Genetic Neuropathy Due to Impairments in Mitochondrial Dynamics. 2021, 10,		1
156	Unraveling the Link Between Mitochondrial Dynamics and Neuroinflammation. <i>Frontiers in Immunology</i> , 2021 , 12, 624919	8.4	8
155	Molecular Basis of Neuronal Autophagy in Ageing: Insights from. <i>Cells</i> , 2021 , 10,	7.9	5
154	The roles of astrocytic phagocytosis in maintaining homeostasis of brains. 2021 , 145, 223-227		4
153	Extracellular Mitochondria Signals in CNS Disorders. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 642853	5.7	7
152	Selective packaging of mitochondrial proteins into extracellular vesicles prevents the release of mitochondrial DAMPs. <i>Nature Communications</i> , 2021 , 12, 1971	17.4	38
151	Astrocytes in Alzheimer's Disease: Pathological Significance and Molecular Pathways. <i>Cells</i> , 2021 , 10,	7.9	12
150	Glial Cells in Glaucoma: Friends, Foes, and Potential Therapeutic Targets. 2021 , 12, 624983		11
149	Transfer of mitochondria and endosomes between cells by gap junction internalization. 2021 , 22, 174-1	79	9
148	Mitochondrial Dynamics: A Key Role in Neurodegeneration and a Potential Target for Neurodegenerative Disease. <i>Frontiers in Neuroscience</i> , 2021 , 15, 654785	5.1	11
147	Quality control of the mitochondrion. 2021 , 56, 881-905		29
146	Platelets fuel mesenchymal stem cells by providing live mitochondria. 2021 , 19, 1603-1606		O

145	Neural stem cells traffic functional mitochondria via extracellular vesicles. 2021 , 19, e3001166		28
144	Astroglia in ageing. 2021 , 1-15		
143	Glucocorticoid impairs mitochondrial quality control in neurons. <i>Neurobiology of Disease</i> , 2021 , 152, 105305	, 1	6
142	Local Accumulation of Axonal Mitochondria in the Optic Nerve Glial Lamina Precedes Myelination. 2021 , 15, 678501		2
141	The Functions, Methods, and Mobility of Mitochondrial Transfer Between Cells. 2021, 11, 672781		9
140	Autophagy and ALS: mechanistic insights and therapeutic implications. 2021 , 1-29		7
139	Extracellular mitochondria in the cerebrospinal fluid (CSF): Potential types and key roles in central nervous system (CNS) physiology and pathogenesis. <i>Mitochondrion</i> , 2021 , 58, 255-269)	7
138	Re-emphasizing early Alzheimer's disease pathology starting in select entorhinal neurons, with a special focus on mitophagy. 2021 , 67, 101307		18
137	Mitocytosis, a migrasome-mediated mitochondrial quality-control process. 2021 , 184, 2896-2910.e13		42
136	Miro proteins connect mitochondrial function and intercellular transport. 2021 , 56, 401-425		3
135	The Influence of Mitochondrial Dynamics and Function on Retinal Ganglion Cell Susceptibility in Optic Nerve Disease. <i>Cells</i> , 2021 , 10,)	4
134	The Muscle-Brain Axis and Neurodegenerative Diseases: The Key Role of Mitochondria in Exercise-Induced Neuroprotection. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	;	9
133	Mitochondrial calcium signaling in the brain and its modulation by neurotropic viruses. Mitochondrion, 2021 , 59, 8-16)	1
132	Stress and circulating cell-free mitochondrial DNA: A systematic review of human studies, physiological considerations, and technical recommendations. <i>Mitochondrion</i> , 2021 , 59, 225-245)	16
131	Mitochondrial Respiratory Chain Protein Co-Regulation in the Human Brain.		
130	Uncoupling proteins in the mitochondrial defense against oxidative stress. 2021 , 83, 100941		16
129	Mitotherapy: Unraveling a Promising Treatment for Disorders of the Central Nervous System and Other Systemic Conditions. <i>Cells</i> , 2021 , 10,)	4
128	Fis1 ablation in the male germline disrupts mitochondrial morphology and mitophagy, and arrests spermatid maturation. 2021 , 148,		5

127	Molecular regulation of neuroinflammation in glaucoma: Current knowledge and the ongoing search for new treatment targets. 2021 , 100998		6
126	Selective Autophagy as a Potential Therapeutic Target in Age-Associated Pathologies. 2021 , 11,		
125	The spectrum of neurodevelopmental, neuromuscular and neurodegenerative disorders due to defective autophagy. 2021 , 1-22		2
124	Mitochondria Can Cross Cell Boundaries: An Overview of the Biological Relevance, Pathophysiological Implications and Therapeutic Perspectives of Intercellular Mitochondrial Transfer. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	12
123	Photoreceptor nanotubes mediate the in vivo exchange of intracellular material. 2021 , 40, e107264		7
122	Impaired Mitophagy in Neurons and Glial Cells during Aging and Age-Related Disorders. International Journal of Molecular Sciences, 2021, 22,	6.3	2
121	Microglia jointly degrade fibrillar alpha-synuclein cargo by distribution through tunneling nanotubes. 2021 , 184, 5089-5106.e21		22
120	The Multiple Roles of Trogocytosis in Immunity, the Nervous System, and Development. 2021 , 2021, 1601565		1
119	Alzheimer disease alters astrocytic functions related to neuronal support and transcellular internalization of mitochondria.		
118	Mitochondrial quality control in acute ischemic stroke. 2021 , 41, 3157-3170		3
117	Astroglial Hemichannels and Pannexons: The Hidden Link between Maternal Inflammation and Neurological Disorders. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3
116	How the brain fights fatty acids' toxicity. 2021 , 148, 105050		5
115	Stress increases in exopher-mediated neuronal extrusion require lipid biosynthesis, FGF, and EGF RAS/MAPK signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	3
114	Expression of miR-200c corresponds with increased reactive oxygen species and hypoxia markers after transient focal ischemia in mice. 2021 , 149, 105146		3
113	Seeing stars: Development and function of retinal astrocytes. 2021 , 478, 144-154		8
112	Rescuing mitochondria in traumatic brain injury and intracerebral hemorrhages - A potential therapeutic approach. 2021 , 150, 105192		3
111	Guidelines for the use and interpretation of assays for monitoring autophagy (4th edition). 2021 , 17, 1-382		440
	A broad perspective on the molecular regulation of retinal ganglion cell degeneration in glaucoma.		6

109	A neuroglia-based interpretation of glaucomatous neuroretinal rim thinning in the optic nerve head. 2020 , 77, 100840		9
108	Programmed switch in the mitochondrial degradation pathways during human retinal ganglion cell differentiation from stem cells is critical for RGC survival. <i>Redox Biology</i> , 2020 , 34, 101465	.3	6
107	Autophagy in the mammalian nervous system: a primer for neuroscientists. 2019, 3, NS20180134		6
106	Mitophagy pathways in health and disease. 2020 , 219,		44
105	Astrocytes improve neuronal health after cisplatin treatment through mitochondrial transfer.		2
104	Neural stem cells traffic functional mitochondria via extracellular vesicles to correct mitochondrial dysfunction in target cells.		4
103	Characterization of Nef expression in different brain regions of SIV-infected macaques. 2020 , 15, e024166	7	5
102	The therapeutic potential of mitochondrial transplantation for the treatment of neurodegenerative disorders. 2021 , 32, 203-217		6
101	Relationships Between Mitochondria and Neuroinflammation: Implications for Alzheimer's Disease. 2016 , 16, 849-57		61
100	Culprit or Bystander: Defective Mitophagy in Alzheimer's Disease. <i>Frontiers in Cell and Developmental Biology</i> , 2019 , 7, 391	7	8
99	Antioxidant and Neuroprotective Effects Induced by Cannabidiol and Cannabigerol in Rat CTX-TNA2 Astrocytes and Isolated Cortexes. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	3	24
98	Quantitative Approaches for Scoring in vivo Neuronal Aggregate and Organelle Extrusion in Large Exopher Vesicles in C. elegans. 2020 ,		4
97	Inhibition of retinal ganglion cell apoptosis: regulation of mitochondrial function by PACAP. <i>Neural Regeneration Research</i> , 2018 , 13, 923-929	5	9
96	Tunneling nanotubes and actin cytoskeleton dynamics in glaucoma. <i>Neural Regeneration Research</i> , 2020 , 15, 2031-2032	5	2
95	Mitochondrial Extracellular Vesicles - Origins and Roles. <i>Frontiers in Molecular Neuroscience</i> , 2021 , 14, 767219	Ĺ	5
94	Macrophages as Emerging Key Players in Mitochondrial Transfers. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 747377	7	2
93	Miro1 provides neuroprotection via the mitochondrial trafficking pathway in a rat model of traumatic brain injury. <i>Brain Research</i> , 2021 , 1773, 147685	7	2
92	Mechanisms of Mitochondrial Dynamics. 1-8		

Programmed Switch in The Mitochondrial Degradation Pathways During Human Retinal Ganglion Cell Differentiation from Stem Cells is Critical for RGC Survival.

90	Metabolic wastes are extracellularly disposed by excretosomes, nanotubes and exophers in mouse HT22 cells through an autophagic vesicle clustering mechanism.		1
89	Autophagy Driven Extracellular Vesicles in the Leukaemic Microenvironment. <i>Current Cancer Drug Targets</i> , 2020 , 20, 501-512	2.8	2
88	Molecular Mechanisms of mtDNA-Mediated Inflammation. <i>Cells</i> , 2021 , 10,	7.9	7
87	Insights into the Pathogenesis of Neurodegenerative Diseases: Focus on Mitochondrial Dysfunction and Oxidative Stress. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	7
86	Selective packaging of mitochondrial proteins into extracellular vesicles prevents the release of mitochondrial DAMPs.		1
85	Intranasal administration of mitochondria improves spatial memory in olfactory bulbectomized mice. <i>Experimental Biology and Medicine</i> , 2021 , 15353702211056866	3.7	1
84	Astrocytic Changes in Mitochondrial Oxidative Phosphorylation Protein Levels in Parkinson's Disease. <i>Movement Disorders</i> , 2021 ,	7	2
83	Mller glial responses compensate for degenerating photoreceptors in retinitis pigmentosa. <i>Experimental and Molecular Medicine</i> , 2021 , 53, 1748-1758	12.8	1
82	Mitochondrial Transfer in Cardiovascular Disease: From Mechanisms to Therapeutic Implications <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 771298	5.4	2
81	Gap Junctional Coupling Between Retinal Astrocytes Exacerbates Neuronal Damage in Ischemia-Reperfusion Injury. 2021 , 62, 27		0
80	Sleep Disruption Worsens Seizures: Neuroinflammation as a Potential Mechanistic Link. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
79	Intercellular transfer of mitochondria via tunneling nanotubes protects against cobalt nanoparticle-induced neurotoxicity and mitochondrial damage <i>Nanotoxicology</i> , 2022 , 1-22	5.3	2
78	Mosaic dysfunction of mitophagy in mitochondrial muscle disease Cell Metabolism, 2022,	24.6	1
77	Mitochondria, energy, and metabolism in neuronal health and disease FEBS Letters, 2022,	3.8	5
76	Therapeutic applications of mitochondrial transplantation <i>Biochimie</i> , 2022 , 195, 1-15	4.6	1
75	The different autophagy degradation pathways and neurodegeneration Neuron, 2022,	13.9	9
74	Phagocytic astrocytes: Emerging from the shadows of microglia <i>Glia</i> , 2022 ,	9	1

73	Horizontal mtDNA transfer between cells is common during mouse development <i>IScience</i> , 2022 , 25, 103901	6.1	2
72	Macrophages, Metabolism and Heterophagy in the Heart Circulation Research, 2022, 130, 418-431	15.7	1
71	The relevance of organelle interactions in cellular senescence Theranostics, 2022, 12, 2445-2464	12.1	0
70	Intercellular Communication in the Brain through Tunneling Nanotubes Cancers, 2022, 14,	6.6	O
69	Oxidative stress facilitates exogenous mitochondria internalization and survival in retinal ganglion precursor-like cells <i>Scientific Reports</i> , 2022 , 12, 5122	4.9	2
68	Neurons Release Injured Mitochondria as "Help-Me" Signaling After Ischemic Stroke <i>Frontiers in Aging Neuroscience</i> , 2022 , 14, 785761	5.3	O
67	Extrusion of mitochondria: Garbage clearance or cell-cell communication signals?. <i>Journal of Cellular Physiology</i> , 2022 ,	7	1
66	Mesenchymal stem cell-mediated transfer of mitochondria: mechanisms and functional impact <i>Cellular and Molecular Life Sciences</i> , 2022 , 79, 177	10.3	5
65	Good, bad, and neglectful: Astrocyte changes in neurodegenerative disease <i>Free Radical Biology and Medicine</i> , 2022 , 182, 93-99	7.8	0
64	Astrocytic phagocytosis contributes to demyelination after focal cortical ischemia in mice <i>Nature Communications</i> , 2022 , 13, 1134	17.4	2
63	Mitochondria in neurodegeneration. Current Opinion in Physiology, 2022, 100532	2.6	0
62	mtDNA-STING Axis Mediates Microglial Polarization IRF3/NF-B Signaling After Ischemic Stroke <i>Frontiers in Immunology</i> , 2022 , 13, 860977	8.4	2
61	Mitochondrial function in spinal cord injury and regeneration <i>Cellular and Molecular Life Sciences</i> , 2022 , 79, 239	10.3	1
60	Intercellular Transport of Mitochondria: Molecular Mechanisms and Role in Maintaining Energy Homeostasis in Tissues. <i>Cell and Tissue Biology</i> , 2022 , 16, 97-113	0.4	
59	Mitochondrial Transplantation Attenuates Neural Damage and Improves Locomotor Function After Traumatic Spinal Cord Injury in Rats <i>Frontiers in Neuroscience</i> , 2022 , 16, 800883	5.1	2
58	Data_Sheet_1.pdf. 2019 ,		
57	Mitochondrial respiratory chain protein co-regulation in the human brain. Heliyon, 2022, 8, e09353	3.6	0
56	Regulation of mitochondrial network homeostasis by O-GlcNAcylation <i>Mitochondrion</i> , 2022 ,	4.9	O

55	Neuron-astrocyte transmitophagy is altered in Alzheimer's disease <i>Neurobiology of Disease</i> , 2022 , 170, 105753	7.5	3
54	Hydrogen sulfide supplement preserves mitochondrial function of retinal ganglion cell in a rat glaucoma model <i>Cell and Tissue Research</i> , 2022 ,	4.2	
53	Mitochondrial transfer/transplantation: an emerging therapeutic approach for multiple diseases <i>Cell and Bioscience</i> , 2022 , 12, 66	9.8	2
52	Brain-targeted heptapeptide-loaded exosomes attenuated ischemiaEeperfusion injury by promoting the transfer of healthy mitochondria from astrocytes to neurons. <i>Journal of Nanobiotechnology</i> , 2022 , 20,	9.4	2
51	Mitochondria transfer and transplantation in human health and diseases. Mitochondrion, 2022, 65, 80-8	74.9	О
50	A new hope: Mitochondria, a critical factor in the war against prions. <i>Mitochondrion</i> , 2022 , 65, 113-123	4.9	О
49	Mitochondria as the Essence of Yang Qi in the Human Body. <i>Phenomics</i> ,		О
48	Crosstalk of Astrocytes and Other Cells during Ischemic Stroke. <i>Life</i> , 2022 , 12, 910	3	1
47	Mitochondrial Transfer Regulates Bioenergetics in Healthy and COPD Airway Smooth Muscle. <i>American Journal of Respiratory Cell and Molecular Biology</i> ,	5.7	О
46	Mitochondrial Transfusion Improves Mitochondrial Function Through Up-regulation of Mitochondrial Complex II Protein Subunit SDHB in the Hippocampus of Aged Mice. <i>Molecular Neurobiology</i> ,	6.2	3
45	Mitochondrial heterogeneity and homeostasis through the lens of a neuron. Nature Metabolism,	14.6	3
44	Ginsenoside Rb1 inhibits astrocyte activation and promotes transfer of astrocytic mitochondria to neurons against ischemic stroke. <i>Redox Biology</i> , 2022 , 54, 102363	11.3	2
43	Miro proteins and their role in mitochondrial transfer in cancer and beyond. <i>Frontiers in Cell and Developmental Biology</i> , 10,	5.7	
42	Remodeling of the Lamina Cribrosa: Mechanisms and Potential Therapeutic Approaches for Glaucoma. <i>International Journal of Molecular Sciences</i> , 2022 , 23, 8068	6.3	1
41	Role of mitophagy in the hallmarks of aging Running title: Mitophagy in aging. 2022, 37, 1		
40	The Role of Bioenergetics in Neurodegeneration. 2022 , 23, 9212		2
39	Intermediate Filaments Associate with Aggresome-like Structures and Influence Rate of Cellular Expulsion of Neuronal Disease Aggregates.		
38	The role of mitochondria in rheumatic diseases.		1

37	Restoration of mitochondria axonal transport by adaptor Disc1 supplementation prevents neurodegeneration and rescues visual function. 2022 , 40, 111324	О
36	Optic nerve head: A gatekeeper for vitreous infectious insults?. 13,	O
35	Energy Crisis after Inter-System Mitochondria Transfer is the Direct Cause of Death by Sepsis.	O
34	The compartmentalized nature of neuronal mitophagy: molecular insights and implications. 1-45	O
33	Role of extracellular vesicles in mitochondrial eye diseases.	О
32	Psoriasis, Is It a Microdamage of Our Bixth Sensell A Neurocentric View. 2022 , 23, 11940	3
31	Mitochondrial Transport from Mesenchymal Stromal Cells to Chondrocytes Increases DNA Content and Proteoglycan Deposition In Vitro in 3D Cultures. 194760352211263	2
30	The Stress Response of the Holothurian Central Nervous System: A Transcriptomic Analysis. 2022 , 23, 13393	O
29	An Iron-Calcium-Miro Axis Influences Parkinson Risk and Neurodegeneration.	О
28	Progress and gaps of extracellular vesicle-mediated intercellular cargo transfer in the central nervous system. 2022 , 5,	O
27	Mitochondria Transfer in Brain Injury and Disease. 2022 , 11, 3603	О
26	Research Progress on Mitochondrial Dysfunction in Diabetic Retinopathy. 2022 , 11, 2250	O
25	The heterogeneity of astrocytes in glaucoma. 16,	O
24	A novel mitochondrial quality control pathway: Autophagic secretion of mitochondria (ASM). 2023 , 1, 13-15	O
23	PINK1/Parkin-mediated mitophagy in neurodegenerative diseases. 2023 , 84, 101817	2
22	The Pathophysiological Significance of Mitochondrial EjectionIfrom Cells. 2022, 12, 1770	O
21	Mitochondria: how eminent in ageing and neurodegenerative disorders?.	1
20	Mitolysosome exocytosis: a novel mitochondrial quality control pathway linked with parkinsonism-like symptoms. 2022 , 50, 1773-1783	O

19	Astrocytic mitochondrial frataxin promising target for ischemic brain injury.	O
18	Exogenous Players in Mitochondria-Related CNS Disorders: Viral Pathogens and Unbalanced Microbiota in the Gut-Brain Axis. 2023 , 13, 169	O
17	iPSCs-derived mesenchymal stromal cells mitigate anxiety and neuroinflammation in aging female mice. 2023 , 155, 106347	0
16	Secreted phosphoprotein 1 slows neurodegeneration and rescues visual function in mouse models of aging and glaucoma. 2022 , 41, 111880	1
15	HIV Replication Increases the Mitochondrial DNA Content of Plasma Extracellular Vesicles. 2023 , 24, 1924	О
14	Mitochondrial Transplantation in Mitochondrial Medicine: Current Challenges and Future Perspectives. 2023 , 24, 1969	0
13	Activation of retinal glial cells contributes to the degeneration of ganglion cells in experimental glaucoma. 2023 , 93, 101169	O
12	Role of Astrocytes in Parkinson Disease Associated with Genetic Mutations and Neurotoxicants. 2023 , 12, 622	O
11	Cone photoreceptors transfer damaged mitochondria to Mller glia. 2023, 42, 112115	0
10	Mitochondria on the move: Horizontal mitochondrial transfer in disease and health. 2023 , 222,	O
9	Intraarterial Transplantation of Mitochondria After Ischemic Stroke Reduces Cerebral Infarction.	0
8	Intracellular DAMPs in Neurodegeneration and Their Role in Clinical Therapeutics.	1
7	Rescuers from the Other Shore: Intercellular Mitochondrial Transfer and Its Implications in Central Nervous System Injury and Diseases.	O
6	High Autophagy Patterns in Swelling Platelets During Apheresis Platelet Storage.	o
5	Cortex-specific transcriptome profiling reveals upregulation of interferon-regulated genes after deeper cerebral hypoperfusion in mice. 14,	О
4	Highly-purified rapidly expanding clones, RECs, are superior for functional-mitochondrial transfer. 2023 , 14,	O
3	The Beneficial Effect of Mitochondrial Transfer Therapy in 5XFAD Mice via LiverBerum B rain Response. 2023 , 12, 1006	0
2	Ocular stress enhances contralateral transfer of lenadogene nolparvovec gene therapy through astrocyte networks. 2023 ,	O

The Potential Use of Mitochondrial Extracellular Vesicles as Biomarkers or Therapeutical Tools. **2023**, 24, 7005

О