Shang-Der Chen

List of Publications by Year
in descending order

98	8,808	94433 37	43889 91
papers	citations	h-index	g-index

98	98	98	19868
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Quality Matters? The Involvement of Mitochondrial Quality Control in Cardiovascular Disease. Frontiers in Cell and Developmental Biology, 2021, 9, 636295.	3.7	11
2	The p53/NF-kappaB-dependent induction of sestrin2 by amyloid-beta peptides exerts antioxidative actions in neurons. Free Radical Biology and Medicine, 2021, 169, 36-61.	2.9	5
3	Potential Roles of Sestrin2 in Alzheimerâ€™s Disease: Antioxidation, Autophagy Promotion, and Beyond. Biomedicines, 2021, 9, 1308.	3.2	3
4	Serum Levels of Soluble Triggering Receptor Expressed on Myeloid Cells-1 Associated with the Severity and Outcome of Acute Ischemic Stroke. Journal of Clinical Medicine, 2021, 10, 61.	2.4	13
5	Two Birds One Stone: The Neuroprotective Effect of Antidiabetic Agents on Parkinson Diseaseâ€"Focus on Sodium-Glucose Cotransporter 2 (SGLT2) Inhibitors. Antioxidants, 2021, 10, 1935.	5.1	15
6	Peroxisome Proliferator-Activated Receptor Î³ Coactivator 1Î± Activates Vascular Endothelial Growth Factor That Protects Against Neuronal Cell Death Following Status Epilepticus through PI3K/AKT and MEK/ERK Signaling. International Journal of Molecular Sciences, 2020, 21, 7247.	4.1	16
7	Emerging Roles of Inhibitor of Differentiation-1 in Alzheimerâ€™s Disease: Cell Cycle Reentry and Beyond. Cells, 2020, 9, 1746.	4.1	15
8	Circulating MicroRNAs from Serum Exosomes May Serve as a Putative Biomarker in the Diagnosis and Treatment of Patients with Focal Cortical Dysplasia. Cells, 2020, 9, 1867.	4.1	10
9	Seizure-Induced Oxidative Stress in Status Epilepticus: Is Antioxidant Beneficial?. Antioxidants, 2020, 9, 1029.	5.1	45
10	The Neurotrophic Function of Glucagon-Like Peptide-1 Promotes Human Neuroblastoma Differentiation via the PI3K-AKT Axis. Biology, 2020, 9, 348.	2.8	9
11	Emerging Roles of Sestrins in Neurodegenerative Diseases: Counteracting Oxidative Stress and Beyond. Journal of Clinical Medicine, 2019, 8, 1001.	2.4	39
12	Sirtuin 1 Regulates Mitochondrial Biogenesis and Provides an Endogenous Neuroprotective Mechanism Against Seizure-Induced Neuronal Cell Death in the Hippocampus Following Status Epilepticus. International Journal of Molecular Sciences, 2019, 20, 3588.	4.1	32
13	The potential of drug repurposing combined with reperfusion therapy in cerebral ischemic stroke: A supplementary strategy to endovascular thrombectomy. Life Sciences, 2019, 236, 116889.	4.3	19
14	Mitochondrial dysfunctions in leukoencephalopathy with brainstem and spinal cord involvement and lactate elevation (LBSL). PLoS ONE, 2019, 14, e0224173.	2.5	8
15	The Overcrowded Crossroads: Mitochondria, Alpha-Synuclein, and the Endo-Lysosomal System Interaction in Parkinsonâ€™s Disease. International Journal of Molecular Sciences, 2019, 20, 5312.	4.1	78
16	Mitochondrial Transfer of Whartonâ€™s Jelly Mesenchymal Stem Cells Eliminates Mutation Burden and Rescues Mitochondrial Bioenergetics in Rotenone-Stressed MELAS Fibroblasts. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-17.	4.0	27
17	Resveratrol Promotes Mitochondrial Biogenesis and Protects against Seizure-Induced Neuronal Cell Damage in the Hippocampus Following Status Epilepticus by Activation of the PGC-1Î± Signaling Pathway. International Journal of Molecular Sciences, 2019, 20, 998.	4.1	40
18	Diverse roles of mitochondria in ischemic stroke. Redox Biology, 2018, 16, 263-275.	9.0	280

#	Article	IF	Citations
19	Resveratrol provides neuroprotective effects through modulation of mitochondrial dynamics and ERK1/2 regulated autophagy. Free Radical Research, 2018, 52, 1371-1386.	3.3	53
20	Risk of Microangiopathy in Patients with Epilepsy under Long-term Antiepileptic Drug Therapy. Frontiers in Neurology, 2018, 9, 113.	2.4	4
21	Emerging Roles of Sonic Hedgehog in Adult Neurological Diseases: Neurogenesis and Beyond. International Journal of Molecular Sciences, 2018, 19, 2423.	4.1	31
22	Roles of p62 in <scp>BDNF</scp>â€dependent autophagy suppression and neuroprotection against mitochondrial dysfunction in rat cortical neurons. Journal of Neurochemistry, 2017, 140, 845-861.	3.9	37
23	The Emerging Role of GLP-1 Receptors in DNA Repair: Implications in Neurological Disorders. International Journal of Molecular Sciences, 2017, 18, 1861.	4.1	15
24	More Insight into BDNF against Neurodegeneration: Anti-Apoptosis, Anti-Oxidation, and Suppression of Autophagy. International Journal of Molecular Sciences, 2017, 18, 545.	4.1	147
25	Mitochondrial Transfer from Whartonâ€™s Jelly Mesenchymal Stem Cell to MERRF Cybrid Reduces Oxidative Stress and Improves Mitochondrial Bioenergetics. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-22.	4.0	41
26	Rapid Amygdala Kindling Causes Motor Seizure and Comorbidity of Anxiety- and Depression-Like Behaviors in Rats. Frontiers in Behavioral Neuroscience, 2016, 10, 129.	2.0	35
27	Activation of GLP-1 Receptor Enhances Neuronal Base Excision Repair via PI3K-AKT-Induced Expression of Apurinic/Apyrimidinic Endonuclease 1. Theranostics, 2016, 6, 2015-2027.	10.0	49
28	Mitochondrial <scp>DNA</scp> variants as genetic risk factors for Parkinson disease. European Journal of Neurology, 2016, 23, 1289-1300.	3.3	30
29	Upregulation of Interleukin-33 in obstructive renal injury. Biochemical and Biophysical Research Communications, 2016, 473, 1026-1032.	2.1	47
30	Peroxisome proliferator-activated receptor-gamma dependent pathway reduces the phosphorylation of dynamin-related protein 1 and ameliorates hippocampal injury induced by global ischemia in rats. Journal of Biomedical Science, 2016, 23, 44.	7.0	25
31	Dynaminâ€Related Protein 1 Promotes Mitochondrial Fission and Contributes to The Hippocampal Neuronal Cell Death Following Experimental Status Epilepticus. CNS Neuroscience and Therapeutics, 2016, 22, 988-999.	3.9	21
32	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
33	Nuclear Factor-kappaB-Dependent Sestrin2 Induction Mediates the Antioxidant Effects of BDNF Against Mitochondrial Inhibition in Rat Cortical Neurons. Molecular Neurobiology, 2016, 53, 4126-4142.	4.0	48
34	Roles of Sestrin2 and Ribosomal Protein S6 in Transient Global Ischemia-Induced Hippocampal Neuronal Injury. International Journal of Molecular Sciences, 2015, 16, 26406-26416.	4.1	30
35	Oncostatin M-dependent Mcl-1 induction mediated by JAK1/2-STAT1/3 and CREB contributes to bioenergetic improvements and protective effects against mitochondrial dysfunction in cortical neurons. Biochimica Et Biophysica Acta - Molecular Cell Research, 2015, 1853, 2306-2325.	4.1	26
36	Mitochondrial transfer from Wharton's jelly-derived mesenchymal stem cells to mitochondria-defective cells recaptures impaired mitochondrial function. Mitochondrion, 2015, 22, 31-44.	3.4	94

#	Article	IF	Citations
37	Roles of PTEN-induced putative kinase 1 and dynamin-related protein 1 in transient global ischemia-induced hippocampal neuronal injury. Biochemical and Biophysical Research Communications, 2015, 460, 397-403.	2.1	35
38	Resveratrol Partially Prevents Rotenone-Induced Neurotoxicity in Dopaminergic SH-SY5Y Cells through Induction of Heme Oxygenase-1 Dependent Autophagy. International Journal of Molecular Sciences, 2014, 15, 1625-1646.	4.1	144
39	Induction of sestrin2 as an endogenous protective mechanism against amyloid beta-peptide neurotoxicity in primary cortical culture. Experimental Neurology, 2014, 253, 63-71.	4.1	60
40	Heat shock protein 70 protects against seizure-induced neuronal cell death in the hippocampus following experimental status epilepticus via inhibition of nuclear factor-Î¹B activation-induced nitric oxide synthase II expression. Neurobiology of Disease, 2014, 62, 241-249.	4.4	38
41	Single nucleotide polymorphisms in the mitochondrial control region are associated with metabolic phenotypes and oxidative stress. Gene, 2013, 531, 370-376.	2.2	12
42	Mitochondrial Dysfunction and Oxidative Stress Promote Apoptotic Cell Death in the Striatum via Cytochrome c/ Caspase-3 Signaling Cascade Following Chronic Rotenone Intoxication in Rats. International Journal of Molecular Sciences, 2012, 13, 8722-8739.	4.1	51
43	Anti-apoptotic and anti-oxidative mechanisms of minocycline against sphingomyelinase/ceramide neurotoxicity: implication in Alzheimer's disease and cerebral ischemia. Free Radical Research, 2012, 46, 940-950.	3.3	55
44	Renin inhibitor aliskiren exerts neuroprotection against amyloid beta-peptide toxicity in rat cortical neurons. Neurochemistry International, 2012, 61, 369-377.	3.8	24
45	The association of statin therapy and high-sensitivity Câ€reactive protein level for predicting clinical outcome in acute non-cardioembolic ischemic stroke. Clinica Chimica Acta, 2012, 413, 1861-1865.	1.1	25
46	Clinical significance of serological biomarkers and neuropsychological performances in patients with temporal lobe epilepsy. BMC Neurology, 2012, 12, 15.	1.8	36
47	Peroxisome proliferator-activated receptors Î³/mitochondrial uncoupling protein 2 signaling protects against seizure-induced neuronal cell death in the hippocampus following experimental status epilepticus. Journal of Neuroinflammation, 2012, 9, 184.	7.2	54
48	Lamotrigine ameliorates seizures and psychiatric comorbidity in a rat model of spontaneous absence epilepsy. Epilepsia, 2012, 53, 2005-2014.	5.1	23
49	Mitochondrial DNA Coding and Control Region Variants as Genetic Risk Factors for Type 2 Diabetes. Diabetes, 2012, 61, 2642-2651.	0.6	68
50	The Creation of Cybrids Harboring Mitochondrial Haplogroups in the Taiwanese Population of Ethnic Chinese Background: An ExtensiveIn VitroTool for the Study of Mitochondrial Genomic Variations. Oxidative Medicine and Cellular Longevity, 2012, 2012, 1-13.	4.0	29
51	Effects of longâ€term antiepileptic drug monotherapy on vascular risk factors and atherosclerosis. Epilepsia, 2012, 53, 120-128.	5.1	162
52	c-Jun-dependent sulfiredoxin induction mediates BDNF protection against mitochondrial inhibition in rat cortical neurons. Neurobiology of Disease, 2012, 46, 450-462.	4.4	32
53	Roles of Oxidative Stress, Apoptosis, PGC-1Î± and Mitochondrial Biogenesis in Cerebral Ischemia. International Journal of Molecular Sciences, 2011, 12, 7199-7215.	4.1	273
54	The value of serial plasma nuclear and mitochondrial DNA levels in patients with acute ischemic stroke. Clinica Chimica Acta, 2011, 412, 476-479.	1.1	134

#	Article	IF	Citations
55	Statin pre-treatment is associated with lower platelet activity and favorable outcome in patients with acute non-cardio-embolic ischemic stroke. Critical Care, 2011, 15, R163.	5.8	16
56	Effect of intracranial administration of ethosuximide in rats with spontaneous or pentylenetetrazol-induced spike-wave discharges. Epilepsia, 2011, 52, 1311-1318.	5.1	13
57	Neuroprotective mechanisms of minocycline against sphingomyelinase/ceramide toxicity: Roles of Bcl-2 and thioredoxin. Free Radical Biology and Medicine, 2011, 50, 710-721.	2.9	16
58	Protective effects of peroxisome proliferatorâ€activated receptors Î³ coactivatorâ€1Î± against neuronal cell death in the hippocampal CA1 subfield after transient global ischemia. Journal of Neuroscience Research, 2010, 88, 605-613.	2.9	53
59	Serial Change in Platelet Activation Markers With Aspirin and Clopidogrel After Acute Ischemic Stroke. Clinical Neuropharmacology, 2010, 33, 40-45.	0.7	9
60	The potential role of mitochondrial dysfunction in seizure-associated cell death in the hippocampus and epileptogenesis. Journal of Bioenergetics and Biomembranes, 2010, 42, 461-465.	2.3	50
61	Gly482Ser polymorphism in the peroxisome proliferatorâ€“activated receptor Î³ coactivatorâ€“1Î± gene is associated with oxidative stress and abdominal obesity. Metabolism: Clinical and Experimental, 2010, 59, 581-586.	3.4	27
62	Erythropoietin and sonic hedgehog mediate the neuroprotective effects of brain-derived neurotrophic factor against mitochondrial inhibition. Neurobiology of Disease, 2010, 40, 146-154.	4.4	37
63	Transcriptional upregulation of nitric oxide synthase II by nuclear factorâ€ÎºB promotes apoptotic neuronal cell death in the hippocampus following experimental status epilepticus. Journal of Neuroscience Research, 2010, 88, 1898-1907.	2.9	24
64	Activation of calcium/calmodulinâ€dependent protein kinase IV and peroxisome proliferatorâ€activated receptor Î³ coactivatorâ€1Î± signaling pathway protects against neuronal injury and promotes mitochondrial biogenesis in the hippocampal CA1 subfield after transient global ischemia. Journal of Neuroscience Research, 2010, 88, 3144-3154.	2.9	50
65	Neuroprotective mechanisms of brainâ€derived neurotrophic factor against 3â€nitropropionic acid toxicity: therapeutic implications for Huntington's disease. Annals of the New York Academy of Sciences, 2010, 1201, 8-12.	3.8	28
66	Association between a common mitochondrial DNA D-loop polycytosine variant and alteration of mitochondrial copy number in human peripheral blood cells. Journal of Medical Genetics, 2010, 47, 723-728.	3.2	67
67	The value of leukocyte adhesion molecules in patients after ischemic stroke. Journal of Neurology, 2009, 256, 1296-1302.	3.6	46
68	DYSREGULATION OF Ca²⁺ MOVEMENT IN PLATELETS FROM PATIENTS WITH ACUTE ISCHAEMIC STROKE. Clinical and Experimental Pharmacology and Physiology, 2009, 36, 380-385.	1.9	2
69	Contribution of nitric oxide, superoxide anion, and peroxynitrite to activation of mitochondrial apoptotic signaling in hippocampal CA3 subfield following experimental temporal lobe status epilepticus. Epilepsia, 2009, 50, 731-746.	5.1	56
70	Peripheral blood mitochondrial DNA content and dysregulation of glucose metabolism. Diabetes Research and Clinical Practice, 2009, 83, 94-99.	2.8	57
71	Sonic hedgehog mediates BDNF-induced neuroprotection against mitochondrial inhibitor 3-nitropropionic acid. Biochemical and Biophysical Research Communications, 2009, 385, 112-117.	2.1	43
72	Levels and value of platelet activation markers in different subtypes of acute non-cardio-embolic ischemic stroke. Thrombosis Research, 2009, 124, 213-218.	1.7	58

#	Article	IF	Citations
73	Preservation of mitochondrial integrity and energy metabolism during experimental status epilepticus leads to neuronal apoptotic cell death in the hippocampus of the rat. Seizure: the Journal of the British Epilepsy Association, 2009, 18, 420-428.	2.0	16
74	Mitochondrial dysfunction and biogenesis in the pathogenesis of Parkinson's disease. Chang Gung Medical Journal, 2009, 32, 589-99.	0.7	37
75	Protective effects of lipopolysaccharide preconditioning against nitric oxide neurotoxicity. Journal of Neuroscience Research, 2008, 86, 1277-1289.	2.9	15
76	A Common Mitochondrial DNA Variant and Increased Body Mass Index as Associated Factors for Development of Type 2 Diabetes: Additive Effects of Genetic and Environmental Factors. Journal of Clinical Endocrinology and Metabolism, 2007, 92, 235-239.	3.6	47
77	Upregulation of nitric oxide synthase II contributes to apoptotic cell death in the hippocampal CA3 subfield via a cytochrome c/caspase-3 signaling cascade following induction of experimental temporal lobe status epilepticus in the rat. Neuropharmacology, 2007, 52, 1263-1273.	4.1	48
78	Inhibition of the MEK/ERK pathway reduces microglial activation and interleukin-1-beta expression in spinal cord ischemia/reperfusion injury in rats. Journal of Thoracic and Cardiovascular Surgery, 2007, 133, 934-941.	0.8	62
79	Effects of rosiglitazone on global ischemia-induced hippocampal injury and expression of mitochondrial uncoupling protein 2. Biochemical and Biophysical Research Communications, 2006, 351, 198-203.	2.1	48
80	Game-related seizures presenting with two types of clinical features. Seizure: the Journal of the British Epilepsy Association, 2006, 15, 98-105.	2.0	12
81	Promoter Region Methylation and Reduced Expression of Thrombospondin-1 after Oxygenâ€"Glucose Deprivation in Murine Cerebral Endothelial Cells. Journal of Cerebral Blood Flow and Metabolism, 2006, 26, 1519-1526.	4.3	58
82	Encephalopathy and Acute Axonal Sensorimotor Polyneuropathy Following Acute Pancreatitis: A Case Report and Review of the Literature. Pancreas, 2005, 30, 285-287.	1.1	7
83	Increased Oxidative Damage with Altered Antioxidative Status in Type 2 Diabetic Patients Harboring the 16189 T to C Variant of Mitochondrial DNA. Annals of the New York Academy of Sciences, 2005, 1042, 64-69.	3.8	40
84	S-Nitrosoglutathione and Hypoxia-Inducible Factor-1 Confer Chemoresistance against Carbamoylating Cytotoxicity of BCNU in Rat C6 Glioma Cells. Annals of the New York Academy of Sciences, 2005, 1042, 229-234.	3.8	3
85	Pravastatin Attenuates Ceramide-Induced Cytotoxicity in Mouse Cerebral Endothelial Cells with HIF-1 Activation and VEGF Upregulation. Annals of the New York Academy of Sciences, 2005, 1042, 357-364.	3.8	21
86	Prognostic factors and therapeutic outcome of isolated symptomatic middle cerebral artery stenosis. European Journal of Neurology, 2005, 12, 519-526.	3.3	9
87	Protective effects of S-nitrosoglutathione against amyloid Î²-peptide neurotoxicity. Free Radical Biology and Medicine, 2005, 38, 938-949.	2.9	87
88	Association of Mitochondrial Deoxyribonucleic Acid 16189 Variant (Tâ†'C Transition) with Metabolic Syndrome in Chinese Adults. Journal of Clinical Endocrinology and Metabolism, 2005, 90, 5037-5040.	3.6	50
89	Mah-Jong-induced epilepsy: a special reflex epilepsy in Chinese society. Seizure: the Journal of the British Epilepsy Association, 2005, 14, 19-22.	2.0	18
90	Carbamoylating chemoresistance induced by cobalt pretreatment in C6 glioma cells: putative roles of hypoxia-inducible factor-1. British Journal of Pharmacology, 2004, 141, 988-996.	5.4	31

#	Article	IF	Citations
91	Injury severity and cell death mechanisms: effects of concomitant hypovolemic hypotension on spinal cord ischemiaâ€“reperfusion in rats. Experimental Neurology, 2004, 185, 120-132.	4.1	31
92	Tooth-brushing epilepsy with ictal orgasms. Seizure: the Journal of the British Epilepsy Association, 2004, 13, 179-182.	2.0	36
93	Neuroprotective Synergy ofN-Methyl-D-Aspartate Receptor Antagonist (MK801) and Protein Synthesis Inhibitor (Cycloheximide) on Spinal Cord Ischemia-Reperfusion Injury in Rats. Journal of Neurotrauma, 2003, 20, 195-206.	3.4	11
94	Nuclear factorâ€”ÎºB-regulated cyclooxygenase-2 expression in surgery-associated paraspinal muscle injury in rats. Journal of Neurosurgery: Spine, 2003, 98, 181-187.	1.7	10
95	Septic cavernous sinus thrombosis due to Streptococcus constellatus infection. Journal of the Formosan Medical Association, 2003, 102, 733-6.	1.7	9
96	ATM Gene Regulates Oxygen-Glucose Deprivationâ€“Induced Nuclear Factor-ÎºB DNA-Binding Activity and Downstream Apoptotic Cascade in Mouse Cerebrovascular Endothelial Cells. Stroke, 2002, 33, 2471-2477.	2.0	40
97	Combination Therapy for Ischemic Stroke. American Journal of Cardiovascular Drugs, 2002, 2, 303-313.	2.2	34
98	Pituitary apoplexy with intracerebral hemorrhage simulating rupture of an anterior cerebral artery aneurysm. World Neurosurgery, 1988, 29, 322-325.	1.3	22