Tsung-Ping Su

List of Publications by Year
in descending order

102 papers	9,546 citations	41344 49 h-index	40979 93 g-index
103 all docs	103 docs citations	103 times ranked	6622 citing authors

#	Article	IF	Citations
1	Nucleoporin POM121 signals TFEB-mediated autophagy via activation of SIGMAR1/sigma-1 receptor chaperone by pridopidine. Autophagy, 2023, 19, 126-151.	9.1	23
2	Knocking Out Sigma-1 Receptors Reveals Diverse Health Problems. Cellular and Molecular Neurobiology, 2022, 42, 597-620.	3.3	25
3	Activation of the sigma-1 receptor chaperone alleviates symptoms of Wolfram syndrome in preclinical models. Science Translational Medicine, 2022, 14, eabh3763.	12.4	29
4	Genomic Action of Sigma-1 Receptor Chaperone Relates to Neuropathic Pain. Molecular Neurobiology, 2021, 58, 2523-2541.	4.0	10
5	Sp1 in Astrocyte Is Important for Neurite Outgrowth and Synaptogenesis. Molecular Neurobiology, 2020, 57, 261-277.	4.0	23
6	Sigma-1 receptor chaperones rescue nucleocytoplasmic transport deficit seen in cellular and Drosophila ALS/FTD models. Nature Communications, 2020, 11, 5580.	12.8	26
7	At the Crossing of ER Stress and MAMs: A Key Role of Sigma-1 Receptor?. Advances in Experimental Medicine and Biology, 2020, 1131, 699-718.	1.6	47
8	Sigmaâ€1 Receptor May Participate in the Regulation of Epigenetic Modifications Related to Neuropathic Pain. FASEB Journal, 2020, 34, 1-1.	0.5	1
9	Non-canonical Targets Mediating the Action of Drugs of Abuse: Cocaine at the Sigma-1 Receptor as an Example. Frontiers in Neuroscience, 2019, 13, 761.	2.8	8
10	Cocaine-induced endocannabinoid signaling mediated by sigma-1 receptors and extracellular vesicle secretion. ELife, 2019, 8, .	6.0	36
11	Upregulation of Znf179 acetylation by SAHA protects cells against oxidative stress. Redox Biology, 2018, 19, 74-80.	9.0	17
12	Cocaine Regulates Endocannabinoids-Containing Extracellular Vesicles Release in Ventral Tegmental Area via Sigma-1 Receptor and ADP-Ribosylation Factor 6 Pathway. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO1-1-79.	0.0	0
13	Sigma-1 Receptors Fine-Tune the Neuronal Networks. Advances in Experimental Medicine and Biology, 2017, 964, 79-83.	1.6	18
14	Specificity protein 1-zinc finger protein 179 pathway is involved in the attenuation of oxidative stress following brain injury. Redox Biology, 2017, 11, 135-143.	9.0	27
15	The sigma-1 receptor modulates dopamine transporter conformation and cocaine binding and may thereby potentiate cocaine self-administration in rats. Journal of Biological Chemistry, 2017, 292, 11250-11261.	3.4	69
16	Roles of sigma-1 receptors on mitochondrial functions relevant to neurodegenerative diseases. Journal of Biomedical Science, 2017, 24, 74.	7.0	86
17	Loss of Sigma-1 Receptor Chaperone Promotes Astrocytosis and Enhances the Nrf2 Antioxidant Defense. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-14.	4.0	25
18	A role for sigma receptors in stimulant self-administration and addiction. Behavioural Pharmacology, 2016, 27, 100-115.	1.7	40

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19	The non-apoptotic action of Bcl-xL: regulating Ca2+ signaling and bioenergetics at the ER-mitochondrion interface. Journal of Bioenergetics and Biomembranes, 2016, 48, 211-225.	2.3	41
20	PT582. Myristic Acid Hitchhiking on Sigma-1 Receptor to Fend Off Neurodegeneration. International Journal of Neuropsychopharmacology, 2016, 19, 14-14.	2.1	0
21	The sigma-1 receptor-zinc finger protein 179 pathway protects against hydrogen peroxide-induced cell injury. Neuropharmacology, 2016, 105, 1-9.	4.1	22
22	The Sigma-1 Receptor as a Pluripotent Modulator in Living Systems. Trends in Pharmacological Sciences, 2016, 37, 262-278.	8.7	249
23	Detection of Isolated Mitochondria-Associated ER Membranes Using the Sigma-1 Receptor. Methods in Molecular Biology, 2016, 1376, 133-140.	0.9	19
24	Myristic Acid Hitchhiking on Sigma-1 Receptor to Fend Off Neurodegeneration. Receptors & Clinical Investigation, 2016, 3, .	0.9	3
25	Potential Molecular Mechanisms on the Role of the Sigma-1 Receptor in the Action of Cocaine and Methamphetamine. Journal of Drug and Alcohol Research, 2016, 5, 1-15.	0.9	33
26	Sigma-1 receptor mediates cocaine-induced transcriptional regulation by recruiting chromatin-remodeling factors at the nuclear envelope. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E6562-70.	7.1	95
27	A Perspective on sigma-1 receptor research: Past and future. Journal of Pharmacological Sciences, 2015, 127, 1.	2.5	4
28	Sigma-1 receptor regulates Tau phosphorylation and axon extension by shaping p35 turnover via myristic acid. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 6742-6747.	7.1	61
29	Sigma-1 receptor chaperones in neurodegenerative and psychiatric disorders. Expert Opinion on Therapeutic Targets, 2014, 18, 1-16.	3.4	54
30	Bcl-2 family in inter-organelle modulation of calcium signaling; roles in bioenergetics and cell survival. Journal of Bioenergetics and Biomembranes, 2014, 46, 1-15.	2.3	52
31	Dynamic Interaction between Sigma-1 Receptor and Kv1.2 Shapes Neuronal and Behavioral Responses to Cocaine. Cell, 2013, 152, 236-247.	28.9	174
32	Sigma-1 Receptor Chaperone at the ER-Mitochondrion Interface Mediates the Mitochondrion-ER-Nucleus Signaling for Cellular Survival. PLoS ONE, 2013, 8, e76941.	2.5	239
33	Cocaine and HIV-1 Interplay in CNS: Cellular and Molecular Mechanisms. Current HIV Research, 2012, 10, 425-428.	0.5	67
34	The Lifetime of UDP-galactose:Ceramide Galactosyltransferase Is Controlled by a Distinct Endoplasmic Reticulum-associated Degradation (ERAD) Regulated by Sigma-1 Receptor Chaperones. Journal of Biological Chemistry, 2012, 287, 43156-43169.	3.4	42
35	Compromising Ïƒ-1 Receptors at the Endoplasmic Reticulum Render Cytotoxicity to Physiologically Relevant Concentrations of Dopamine in a Nuclear Factor-Î°B/Bcl-2-Dependent Mechanism: Potential Relevance to Parkinson's Disease. Journal of Pharmacology and Experimental Therapeutics, 2012, 341, 663-671.	2.5	46
36	The sigma-1 receptor: roles in neuronal plasticity and disease. Trends in Neurosciences, 2012, 35, 762-771.	8.6	205

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37	Combination Treatment of Hypothermia and Mesenchymal Stromal Cells Amplifies Neuroprotection in Primary Rat Neurons Exposed to Hypoxic-Ischemic-Like Injury In Vitro: Role of the Opioid System. PLoS ONE, 2012, 7, e47583.	2.5	32
38	Insights into the Sigmaâ€1 receptor Chaperone's cellular functions: A microarray report. Synapse, 2012, 66, 42-51.	1.2	45
39	Sigmaâ€1 receptor chaperones regulate the secretion of brainâ€derived neurotrophic factor. Synapse, 2012, 66, 630-639.	1.2	110
40	Targeting ligand-operated chaperone sigma-1 receptors in the treatment of neuropsychiatric disorders. Expert Opinion on Therapeutic Targets, 2011, 15, 557-577.	3.4	187
41	Extraordinary postmortem stability of kappa opioid receptors in guinea-pig brain. Journal of Pharmacy and Pharmacology, 2011, 39, 951-954.	2.4	6
42	Cocaine and HIV-1 Interplay: Molecular Mechanisms of Action and Addiction. Journal of NeuroImmune Pharmacology, 2011, 6, 503-515.	4.1	47
43	Cocaine Hijacks Ïƒ1 Receptor to Initiate Induction of Activated Leukocyte Cell Adhesion Molecule: Implication for Increased Monocyte Adhesion and Migration in the CNS. Journal of Neuroscience, 2011, 31, 5942-5955.	3.6	90
44	A Role for Sigma Receptors in Stimulant Self Administration and Addiction. Pharmaceuticals, 2011, 4, 880-914.	3.8	56
45	Molecular mechanisms involving sigma receptorâ€“mediated induction of MCP-1: implication for increased monocyte transmigration. Blood, 2010, 115, 4951-4962.	1.4	115
46	Delta opioid peptide DADLE and naltrexone cause cell cycle arrest and differentiation in a CNS neural progenitor cell line. Synapse, 2010, 64, 267-273.	1.2	15
47	Regulation of Ïƒ-1 Receptors and Endoplasmic Reticulum Chaperones in the Brain of Methamphetamine Self-Administering Rats. Journal of Pharmacology and Experimental Therapeutics, 2010, 332, 1054-1063.	2.5	77
48	The sigma-1 receptor chaperone as an inter-organelle signaling modulator. Trends in Pharmacological Sciences, 2010, 31, 557-566.	8.7	394
49	Cholesterol at the Endoplasmic Reticulum: Roles of the Sigma-1 Receptor Chaperone and Implications thereof in Human Diseases. Sub-Cellular Biochemistry, 2010, 51, 381-398.	2.4	54
50	Sigma-1 receptors regulate hippocampal dendritic spine formation via a free radical-sensitive mechanism involving Rac1Â·GTP pathway. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 22468-22473.	7.1	145
51	The pharmacology of sigma-1 receptors. , 2009, 124, 195-206.		575
52	MAM: more than just a housekeeper. Trends in Cell Biology, 2009, 19, 81-88.	7.9	654
53	When the Endogenous Hallucinogenic Trace Amine N,N -Dimethyltryptamine Meets the Sigma-1 Receptor. Science Signaling, 2009, 2, pe12.	3.6	90
54	Sigma-1 Receptor Chaperones and Diseases. Central Nervous System Agents in Medicinal Chemistry, 2009, 9, 184-189.	1.1	109

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55	An update on the development of drugs for neuropsychiatric disorders: focusing on the Ïƒ₁receptor ligand. Expert Opinion on Therapeutic Targets, 2008, 12, 45-58.	3.4	91
56	Protein Kinase A Activation Down-Regulates, Whereas Extracellular Signal-Regulated Kinase Activation Up-Regulates Ïƒ-1 Receptors in B-104 Cells: Implication for Neuroplasticity. Journal of Pharmacology and Experimental Therapeutics, 2007, 320, 202-210.	2.5	30
57	Sigma-1 Receptor Chaperones at the ER- Mitochondrion Interface Regulate Ca2+ Signaling and Cell Survival. Cell, 2007, 131, 596-610.	28.9	1,474
58	Subcellular Localization and Interacellular Dynamics of Ïƒ1 Receptors. , 2007, , 151-164.		2
59	Chronic Antidepressants Potentiate via Sigma-1 Receptors the Brain-derived Neurotrophic Factor-induced Signaling for Glutamate Release. Journal of Biological Chemistry, 2006, 281, 12941-12949.	3.4	103
60	Neuroprotective effects of sigma-1 receptor agonists against beta-amyloid-induced toxicity. NeuroReport, 2005, 16, 1223-1226.	1.2	107
61	Picomolar concentrations of hibernation induction delta opioid peptide [D-Ala2,D-Leu5]enkephalin increase the nerve growth factor in NG-108 cells. Synapse, 2005, 57, 179-181.	1.2	4
62	The potential role of sigma-1 receptors in lipid transport and lipid raft reconstitution in the brain: Implication for drug abuse. Life Sciences, 2005, 77, 1612-1624.	4.3	76
63	Delta opioid peptide (D-ALA 2, D-LEU 5) enkephalin: linking hibernation and neuroprotection. Frontiers in Bioscience - Landmark, 2004, 9, 3392.	3.0	104
64	Sigma-1 receptors at galactosylceramide-enriched lipid microdomains regulate oligodendrocyte differentiation. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 14949-14954.	7.1	147
65	Involvement of the sigma1 receptor in the modulation of dopaminergic transmission by amantadine. European Journal of Neuroscience, 2004, 19, 2212-2220.	2.6	91
66	Sigma1 receptor upregulation after chronic methamphetamine self-administration in rats: a study with yoked controls. Psychopharmacology, 2004, 175, 68-75.	3.1	62
67	?-1 Receptors potentiate epidermal growth factor signaling towards neuritogenesis in PC12 cells: Potential relation to lipid raft reconstitution. Synapse, 2004, 53, 90-103.	1.2	81
68	??-1 Receptor Ligands. CNS Drugs, 2004, 18, 269-284.	5.9	266
69	Chronic [d-Ala2, d-Leu5]enkephalin treatment increases the nerve growth factor in adult mouse brain. European Journal of Pharmacology, 2003, 464, 237-239.	3.5	8
70	Intracellular Dynamics of Ïƒ-1 Receptors (Ïƒ1 Binding Sites) in NG108-15 Cells. Journal of Pharmacology and Experimental Therapeutics, 2003, 306, 726-733.	2.5	176
71	Ïƒ-1 Receptors (Ïƒ1 Binding Sites) Form Raft-Like Microdomains and Target Lipid Droplets on the Endoplasmic Reticulum: Roles in Endoplasmic Reticulum Lipid Compartmentalization and Export. Journal of Pharmacology and Experimental Therapeutics, 2003, 306, 718-725.	2.5	227
72	Understanding the Molecular Mechanism of Sigma-1 Receptors: Towards A Hypothesis that Sigma-1 Receptors are Intracellular Amplifiers for Signal Transduction. Current Medicinal Chemistry, 2003, 10, 2073-2080.	2.4	179

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73	Diadenosine Tetraphosphate Protects against Injuries Induced by Ischemia and 6-Hydroxydopamine in Rat Brain. Journal of Neuroscience, 2003, 23, 7958-7965.	3.6	64
74	Nerve Growth Factor-Induced Neurite Sprouting in PC12 Cells Involves Ï‚-1 Receptors: Implications for Antidepressants. Journal of Pharmacology and Experimental Therapeutics, 2002, 303, 1227-1237.	2.5	125
75	Antiapoptotic and cytotoxic properties of delta opioid peptide [D-Ala2,D-Leu5]enkephalin in PC12 cells. Synapse, 2002, 43, 86-94.	1.2	64
76	Cocaine affects the dynamics of cytoskeletal proteins via sigma1 receptors. Trends in Pharmacological Sciences, 2001, 22, 456-458.	8.7	40
77	Methamphetamine Potentiates Ischemia/Reperfusion Insults After Transient Middle Cerebral Artery Ligation. Stroke, 2001, 32, 775-782.	2.0	49
78	Delta opioid peptide [D-Ala2, D-Leu5]enkephalin causes a near complete blockade of the neuronal damage induced by a single high dose of methamphetamine: Examining the role of p53. Synapse, 2001, 39, 305-312.	1.2	20
79	Hibernation-induction peptide and cell death: [d-Ala2,d-Leu5]enkephalin blocks Bax-related apoptotic processes. European Journal of Pharmacology, 2001, 428, 149-151.	3.5	23
80	Treatment with delta opioid peptide enhances in vitro and in vivo survival of rat dopaminergic neurons. NeuroReport, 2000, 11, 923-926.	1.2	74
81	Blockade of dopamine transporter and tyrosine hydroxylase activity loss by [d-Ala2, d-Leu5]enkephalin in methamphetamine-treated CD-1 mice. European Journal of Pharmacology, 2000, 404, 89-93.	3.5	8
82	Delta opioid peptide [D-Ala2,D-Leu5]enkephalin promotes cell survival. Journal of Biomedical Science, 2000, 7, 195-199.	7.0	23
83	Delta Opioid Peptide[D- Ala²,D-Leu⁵]Enkephalin Promotes Cell Survival. Journal of Biomedical Science, 2000, 7, 195-199.	7.0	45
84	Modulation of steroidal levels by adrenalectomy/castration and inhibition of neurosteroid synthesis enzymes affect sigma1 receptor-mediated behaviour in mice. European Journal of Neuroscience, 1999, 11, 2385-2396.	2.6	50
85	[d-Ala2, d-Leu5]enkephalin blocks the methamphetamine-induced c-fos mRNA increase in mouse striatum. European Journal of Pharmacology, 1999, 366, R7-R8.	3.5	20
86	Reversal by [d-Ala2,d-Leu5]enkephalin of the dopamine transporter loss caused by methamphetamine. European Journal of Pharmacology, 1999, 372, R5-R7.	3.5	17
87	Neuroleptics with differential affinities at dopamine D2 receptors and sigma receptors affect differently the N-methyl-D-aspartate-induced increase in intracellular calcium concentration: Involvement of protein kinase. Synapse, 1999, 31, 20-28.	1.2	14
88	Isolation and partial characterization of an opioid-like 88 kDa hibernation-related protein. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 1998, 119, 787-805.	1.6	54
89	Use of â€œNaturalâ€•Hibernation Induction Triggers for Myocardial Protection. Annals of Thoracic Surgery, 1997, 64, 623-627.	1.3	78
90	THE USE OF HIBERNATION INDUCTION TRIGGERS FOR CARDIAC TRANSPLANT PRESERVATION1,2. Transplantation, 1997, 63, 326-329.	1.0	48

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91	IP3 receptor antagonist heparin uncompetitively inhibits [3H](+)-SKF-10047 binding to Ïƒ receptors. European Journal of Pharmacology, 1996, 311, R1-R2.	3.5	11
92	Extended lung preservation with the use of hibernation trigger factors. Annals of Thoracic Surgery, 1996, 61, 1488-1493.	1.3	54
93	Delta opioid extends hypothermic preservation time of the lung. Journal of Thoracic and Cardiovascular Surgery, 1996, 111, 259-267.	0.8	24
94	Extension of tissue survival time in multiorgan block preparation with a delta opioid DADLE ([D-Ala2,D-Leu5]-enkephalin). Journal of Thoracic and Cardiovascular Surgery, 1994, 107, 964-967.	0.8	84
95	Sigma-1 andSigma-2 sites in rat brain: Comparison of regional, ontogenetic, and subcellular patterns. Synapse, 1994, 17, 182-189.	1.2	111
96	PRE-084, a Ïƒ selective PCP derivative, attenuates MK-801-induced impairment of learning in mice. Pharmacology Biochemistry and Behavior, 1994, 49, 859-869.	2.9	115
97	sigma receptors. Putative links between nervous, endocrine and immune systems. FEBS Journal, 1991, 200, 633-642.	0.2	142
98	Steroid Binding at Ïƒ Receptors: CNS and Immunological Implications. Novartis Foundation Symposium, 1990, 153, 107-124.	1.1	10
99	Correlation of inhibitory potencies of putative antagonists for Ïƒ receptors in brain and spleen. European Journal of Pharmacology, 1988, 148, 467-470.	3.5	36
100	Further studies on opioids and hibernation: Delta opioid receptor ligand selectively induced hibernation in summer-active ground squirrels. Life Sciences, 1988, 43, 1565-1574.	4.3	116
101	Opioids and hibernation. I. Effects of naloxone on bear hit's depression of guinea pig ileum contractility and on induction of summer hibernation in the ground squirrel. Life Sciences, 1987, 41, 2107-2113.	4.3	41
102	Opioids and hibernation. II. Effects of kappa opioid U69593 on induction of hibernation in summer-active ground squirrels by â€œhibernation induction triggerâ€•(HIT). Life Sciences, 1987, 41, 2115-2120.	4.3	40