

# Toshiharu Nagatsu

List of Publications by Year  
in descending order

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189  
papers

18,622  
citations

11639  
70  
h-index

11928  
134  
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192  
all docs

192  
docs citations

192  
times ranked

12143  
citing authors

#	ARTICLE	IF	CITATIONS
1	Peter Riederer, a translational neurobiochemist. Journal of Neural Transmission, 2022, , 1.	1.4	0
2	Cognitive behavioral therapy (CBT), acceptance and commitment therapy (ACT), and Morita therapy (MT); comparison of three established psychotherapies and possible common neural mechanisms of psychotherapies. Journal of Neural Transmission, 2022, 129, 805-828.	1.4	3
3	Neuromelanin in Parkinson's Disease: Tyrosine Hydroxylase and Tyrosinase. International Journal of Molecular Sciences, 2022, 23, 4176.	1.8	32
4	Hypothesis: neural mechanism of psychotherapy for the treatment of Parkinson's disease: cognitive behavioral therapy (CBT), acceptance and commitment therapy (ACT), and Morita therapy?. Journal of Neural Transmission, 2020, 127, 273-276.	1.4	5
5	NT5DC2 affects the phosphorylation of tyrosine hydroxylase regulating its catalytic activity. Journal of Neural Transmission, 2020, 127, 1631-1640.	1.4	8
6	Monoamine Oxidase Inhibitor (MAO-I)-Mediated Neuroprotection for Treating Parkinson's Disease. , 2020, , 1-21.		0
7	Human tyrosine hydroxylase in Parkinson's disease and in related disorders. Journal of Neural Transmission, 2019, 126, 397-409.	1.4	102
8	Identification by nano-LC-MS/MS of NT5DC2 as a protein binding to tyrosine hydroxylase: Down-regulation of NT5DC2 by siRNA increases catecholamine synthesis in PC12D cells. Biochemical and Biophysical Research Communications, 2019, 516, 1060-1065.	1.0	12
9	Prolyl oligopeptidase and dipeptidyl peptidase II/dipeptidyl peptidase IV ratio in the cerebrospinal fluid in Parkinson's disease: historical overview and future prospects. Journal of Neural Transmission, 2017, 124, 739-744.	1.4	13
10	Inhibition of deubiquitinating activity of USP14 decreases tyrosine hydroxylase phosphorylated at Ser19 in PC12D cells. Biochemical and Biophysical Research Communications, 2016, 472, 598-602.	1.0	20
11	Tyrosine hydroxylase (TH), its cofactor tetrahydrobiopterin (BH4), other catecholamine-related enzymes, and their human genes in relation to the drug and gene therapies of Parkinson's disease (PD): historical overview and future prospects. Journal of Neural Transmission, 2016, 123, 1255-1278.	1.4	71
12	A possible pathophysiological role of tyrosine hydroxylase in Parkinson's disease suggested by postmortem brain biochemistry: a contribution for the special 70th birthday symposium in honor of Prof. Peter Riederer. Journal of Neural Transmission, 2013, 120, 49-54.	1.4	26
13	In memory of Professor Leonor Michaelis in Nagoya: Great contributions to biochemistry in Japan in the first half of the 20th century. FEBS Letters, 2013, 587, 2721-2724.	1.3	6
14	Intracellular Stability of Tyrosine Hydroxylase. Advances in Pharmacology, 2013, 68, 3-11.	1.2	15
15	Tyrosine Hydroxylase. , 2012, , 45-47.		8
16	Phosphorylation of the N-terminal portion of tyrosine hydroxylase triggers proteasomal digestion of the enzyme. Biochemical and Biophysical Research Communications, 2011, 407, 343-347.	1.0	31
17	Marshall Nirenberg (1927-2010) - Nobel Laureate, Giant of Neurochemistry and Molecular Biology, and Honorary Member of Japan Society for Neurochemistry. Journal of Neurochemistry, 2010, 113, no-no.	2.1	0
18	Simple Photometric Assay of Dopamine- $\beta$ -Hydroxylase Activity in Human Blood: Useful in Clinical Chemistry. Clinical Chemistry, 2009, 55, 193-194.	1.5	8

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19	Role of N-terminus of tyrosine hydroxylase in the biosynthesis of catecholamines. Journal of Neural Transmission, 2009, 116, 1355-1362.	1.4	55
20	L-dopa therapy for Parkinson's disease: Past, present, and future. Parkinsonism and Related Disorders, 2009, 15, S3-S8.	1.1	151
21	Dopamine Inhibition of Human Tyrosine Hydroxylase Type 1 Is Controlled by the Specific Portion in the N-Terminus of the Enzyme. Journal of Neurochemistry, 2008, 72, 2145-2153.	2.1	36
22	RNAi of 14-3-3 $\beta$ protein increases intracellular stability of tyrosine hydroxylase. Biochemical and Biophysical Research Communications, 2007, 363, 817-821.	1.0	11
23	p53 protein, interferon- $\gamma$ , and NF- $\kappa$ B levels are elevated in the parkinsonian brain. Neuroscience Letters, 2007, 414, 94-97.	1.0	217
24	Characterization of neuron-specific huntingtin aggregates in human huntingtin knock-in mice. Neuroscience Research, 2007, 57, 559-573.	1.0	14
25	The catecholamine system in health and disease -Relation to tyrosine 3-monooxygenase and other catecholamine-synthesizing enzymes-. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 2006, 82, 388-415.	1.6	49
26	Cytosolic Catechols Inhibit $\alpha$ -Synuclein Aggregation and Facilitate the Formation of Intracellular Soluble Oligomeric Intermediates. Journal of Neuroscience, 2006, 26, 10068-10078.	1.7	135
27	Deletion of N-terminus of human tyrosine hydroxylase type 1 enhances stability of the enzyme in AtT-20 cells. Journal of Neuroscience Research, 2005, 81, 110-120.	1.3	10
28	Cytokine production of activated microglia and decrease in neurotrophic factors of neurons in the hippocampus of Lewy body disease brains. Acta Neuropathologica, 2005, 109, 141-150.	3.9	119
29	The phosphorylation of Ser40 of tyrosine hydroxylase has no effect on the stability of the enzyme in PC12 cells. Biogenic Amines, 2005, 19, 279-288.	0.3	1
30	Inflammatory Process in Parkinsons Disease: Role for Cytokines. Current Pharmaceutical Design, 2005, 11, 999-1016.	0.9	370
31	Molecular genetics of tyrosine 3-monooxygenase and inherited diseases. Biochemical and Biophysical Research Communications, 2005, 338, 267-270.	1.0	32
32	Progress in Monoamine Oxidase (MAO) Research in Relation to Genetic Engineering. NeuroToxicology, 2004, 25, 11-20.	1.4	106
33	Distribution of major histocompatibility complex class II-positive microglia and cytokine profile of Parkinson's disease brains. Acta Neuropathologica, 2003, 106, 518-526.	3.9	619
34	Behavioral Recovery in a Primate Model of Parkinson's Disease by Triple Transduction of Striatal Cells with Adeno-Associated Viral Vectors Expressing Dopamine-Synthesizing Enzymes. Human Gene Therapy, 2002, 13, 345-354.	1.4	182
35	Neuroprotective Effects of Glial Cell Line-Derived Neurotrophic Factor Mediated by an Adeno-Associated Virus Vector in a Transgenic Animal Model of Amyotrophic Lateral Sclerosis. Journal of Neuroscience, 2002, 22, 6920-6928.	1.7	244
36	Amine-related neurotoxins in Parkinson's disease. Neurotoxicology and Teratology, 2002, 24, 565-569.	1.2	40

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37	Parkinson's disease: changes in apoptosis-related factors suggesting possible gene therapy. Journal of Neural Transmission, 2002, 109, 731-745.	1.4	75
38	The mutation of two amino acid residues in the N-terminus of tyrosine hydroxylase (TH) dramatically enhances the catalytic activity in neuroendocrine AtT-20 cells. Journal of Neurochemistry, 2002, 82, 202-206.	2.1	23
39	Analysis of the Alternative Promoters that Regulate Tissue-Specific Expression of Human Aromatic L-Amino Acid Decarboxylase. Journal of Neurochemistry, 2002, 64, 514-524.	2.1	35
40	Characterization of Wild-Type and Mutants of Recombinant Human GTP Cyclohydrolase I. Journal of Neurochemistry, 2002, 73, 2510-2516.	2.1	43
41	Dopamine Neurons are Not Affected by Expanded Polyglutamine Stretches in HD Gene Knock-In Mice. Advances in Behavioral Biology, 2002, , 99-102.	0.2	0
42	Cytokines and Neurotrophins in Parkinson's Disease: Involvement in Apoptosis. Advances in Behavioral Biology, 2002, , 265-270.	0.2	0
43	Molecular Genetics of Catecholamines: Key Molecules Bridging Basic Science with Clinical Science. Advances in Behavioral Biology, 2002, , 5-17.	0.2	0
44	A Quantitative-Trait Analysis of Human Plasma's Dopamine $\beta$ -Hydroxylase Activity: Evidence for a Major Functional Polymorphism at the DBH Locus. American Journal of Human Genetics, 2001, 68, 515-522.	2.6	253
45	A new splicing variant for human tyrosine hydroxylase in the adrenal medulla. Neuroscience Letters, 2001, 312, 157-160.	1.0	15
46	Interleukin-10 Inhibits Both Production of Cytokines and Expression of Cytokine Receptors in Microglia. Journal of Neurochemistry, 2001, 72, 1466-1471.	2.1	188
47	Inhibition of azoxymethane-induced aberrant crypt foci formation in rat colorectum by whole leaf <i>Aloe arborescens</i> Miller var. <i>natalensis</i> berger. Phytotherapy Research, 2001, 15, 705-711.	2.8	18
48	Age-dependent and tissue-specific CAG repeat instability occurs in mouse knock-in for a mutant Huntington's disease gene. Journal of Neuroscience Research, 2001, 65, 289-297.	1.3	71
49	Identification of (6R)-5,6,7,8-Tetrahydro-D-monapterin (= (6R)-2-Amino-5,6,7,8-tetrahydro-6-[(1R,2R)-1,2,3] Tj ETQq1 1 0.784314 rgBT Chimica Acta, 2001, 84, 918-927.	1.0	10
50	Catecholamines and Serotonin Are Differently Regulated by Tetrahydrobiopterin. Journal of Biological Chemistry, 2001, 276, 41150-41160.	1.6	124
51	Direct imaging of phosphorylation-dependent conformational change and DNA binding of CREB by electron microscopy. Genes To Cells, 2000, 5, 515-522.	0.5	12
52	Expanded polyglutamine stretches interact with TAFII130, interfering with CREB-dependent transcription. Nature Genetics, 2000, 26, 29-36.	9.4	388
53	Modest Neuropsychological Deficits Caused by Reduced Noradrenaline Metabolism in Mice Heterozygous for a Mutated Tyrosine Hydroxylase Gene. Journal of Neuroscience, 2000, 20, 2418-2426.	1.7	59
54	Triple Transduction with Adeno-Associated Virus Vectors Expressing Tyrosine Hydroxylase, Aromatic-L-Amino-Acid Decarboxylase, and GTP Cyclohydrolase I for Gene Therapy of Parkinson's Disease. Human Gene Therapy, 2000, 11, 1509-1519.	1.4	191

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55	Characterization of the human NTAK gene structure and distribution of the isoforms for rat NTAK mRNA. <i>Gene</i> , 2000, 255, 15-24.	1.0	16
56	Positive charge intrinsic to Arg37-Arg38 is critical for dopamine inhibition of the catalytic activity of human tyrosine hydroxylase type 1. <i>FEBS Letters</i> , 2000, 465, 59-63.	1.3	12
57	Synaptic Integration Mediated by Striatal Cholinergic Interneurons in Basal Ganglia Function. <i>Science</i> , 2000, 289, 633-637.	6.0	151
58	Isoquinoline Neurotoxins. , 2000, , 69-76.		0
59	Molecular Genetics of Dopa-Responsive Dystonia. <i>Biological Chemistry</i> , 1999, 380, 1355-64.	1.2	85
60	Molecular biology of catecholamine-related enzymes in relation to Parkinson's disease. <i>Cellular and Molecular Neurobiology</i> , 1999, 19, 57-66.	1.7	32
61	Increase in level of tumor necrosis factor (TNF)- $\alpha$ in 6-hydroxydopamine-lesioned striatum in rats without influence of systemic L-DOPA on the TNF- $\alpha$ induction. <i>Neuroscience Letters</i> , 1999, 268, 101-104.	1.0	77
62	Brain-derived growth factor and nerve growth factor concentrations are decreased in the substantia nigra in Parkinson's disease. <i>Neuroscience Letters</i> , 1999, 270, 45-48.	1.0	342
63	Stimulus-Coupled Interaction of Tyrosine Hydroxylase with 14-3-3 Proteins. <i>Biochemistry</i> , 1999, 38, 15673-15680.	1.2	93
64	Autonomic neuropathy in transgenic mice caused by immunotoxin targeting of the peripheral nervous system. , 1998, 51, 162-173.		12
65	Motor and learning dysfunction during postnatal development in mice defective in dopamine neuronal transmission. , 1998, 54, 450-464.		43
66	Dopamine $\beta$ -hydroxylase: two polymorphisms in linkage disequilibrium at the structural gene DBH associate with biochemical phenotypic variation. <i>Human Genetics</i> , 1998, 102, 533-540.	1.8	127
67	Prevention of dopaminergic neuron death by adeno-associated virus vector-mediated GDNF gene transfer in rat mesencephalic cells in vitro. <i>Neuroscience Letters</i> , 1998, 248, 61-64.	1.0	31
68	Effects of repeated systemic administration of 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP) to mice on interleukin-1 $\beta$ and nerve growth factor in the striatum. <i>Neuroscience Letters</i> , 1998, 250, 25-28.	1.0	65
69	Does tyrosinase exist in neuromelanin-pigmented neurons in the human substantia nigra?. <i>Neuroscience Letters</i> , 1998, 253, 198-200.	1.0	74
70	Ablation of Cerebellar Golgi Cells Disrupts Synaptic Integration Involving GABA Inhibition and NMDA Receptor Activation in Motor Coordination. <i>Cell</i> , 1998, 95, 17-27.	13.5	210
71	Coexpression of GTP cyclohydrolase I and inducible nitric oxide synthase mRNAs in mouse osteoblastic cells activated by proinflammatory cytokines. <i>FEBS Letters</i> , 1998, 428, 212-216.	1.3	34
72	Brain-specific gene expression by immortalized microglial cell-mediated gene transfer in the mammalian brain. <i>FEBS Letters</i> , 1998, 433, 37-40.	1.3	69

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73	Behavioral Recovery in 6-Hydroxydopamine-Lesioned Rats by Cotransduction of Striatum with Tyrosine Hydroxylase and Aromatic L-Amino Acid Decarboxylase Genes Using Two Separate Adeno-Associated Virus Vectors. Human Gene Therapy, 1998, 9, 2527-2535.	1.4	113
74	Behavioral Recovery in 6-Hydroxydopamine-Lesioned Rats by Cotransduction of Striatum with Tyrosine Hydroxylase and Aromatic L-Amino Acid Decarboxylase Genes Using Two Separate Adeno-Associated Virus Vectors. Human Gene Therapy, 1998, 9, 2527-2535.	1.4	99
75	Isoquinoline neurotoxins in the brain and Parkinson's disease. Neuroscience Research, 1997, 29, 99-111.	1.0	231
76	Effects of dopamine on N-terminus-deleted human tyrosine hydroxylase type 1 expressed in Escherichia coli. Neuroscience Letters, 1997, 229, 57-60.	1.0	15
77	Expression of mRNAs for neuropeptide receptors and $\beta$ -adrenergic receptors in human osteoblasts and human osteogenic sarcoma cells. Neuroscience Letters, 1997, 233, 125-128.	1.0	191
78	Interleukin (IL)-1 $\beta$ , IL-2, IL-4, IL-6 and transforming growth factor- $\beta$ levels are elevated in ventricular cerebrospinal fluid in juvenile parkinsonism and Parkinson's disease. Neuroscience Letters, 1996, 211, 13-16.	1.0	496
79	The soluble form of Fas molecule is elevated in parkinsonian brain tissues. Neuroscience Letters, 1996, 220, 195-198.	1.0	94
80	Detection of 1-phenyl-N-methyl-1,2,3,4-tetrahydroisoquinoline and 1-phenyl-1,2,3,4-tetrahydroisoquinoline in human brain by gas chromatography-tandem mass spectrometry. Biomedical Applications, 1995, 669, 345-351.	1.7	11
81	Characterization of Mouse and Human GTP Cyclohydrolase I Genes. Journal of Biological Chemistry, 1995, 270, 10062-10071.	1.6	121
82	Targeted Disruption of the Tyrosine Hydroxylase Locus Results in Severe Catecholamine Depletion and Perinatal Lethality in Mice. Journal of Biological Chemistry, 1995, 270, 27235-27243.	1.6	193
83	Transforming growth factor- $\beta$ 1 levels are elevated in the striatum and in ventricular cerebrospinal fluid in Parkinson's disease. Neuroscience Letters, 1995, 193, 129-132.	1.0	157
84	Effect of Chronic Administration of 1,2,3,4-Tetrahydroisoquinoline and Its Derivatives on the Monkey: Immunohistochemical Study. Advances in Behavioral Biology, 1995, , 583-587.	0.2	3
85	Genomic Organization of Mouse and Human GTP Cyclohydrolase I Genes and Mutations Found in the Human Gene. Pteridines, 1995, 6, 104-107.	0.5	2
86	Endogenous synthesis of N-methylnorsalsololol in rat brain during in vivo microdialysis with epinine. Biomedical Applications, 1994, 654, 263-269.	1.7	12
87	Immunohistochemical evidence that central serotonin neurons produce dopamine from exogenous L-DOPA in the rat, with reference to the involvement of aromatic L-amino acid decarboxylase. Brain Research, 1994, 667, 295-299.	1.1	153
88	Hereditary progressive dystonia with marked diurnal fluctuation caused by mutations in the GTP cyclohydrolase I gene. Nature Genetics, 1994, 8, 236-242.	9.4	800
89	Establishment of a Human Small Cell Lung Cancer Cell Line Producing a Large Amount of Anti-diuretic Hormone. Japanese Journal of Cancer Research, 1994, 85, 718-722.	1.7	11
90	Tumor necrosis factor- $\alpha$ (TNF- $\alpha$ ) increases both in the brain and in the cerebrospinal fluid from parkinsonian patients. Neuroscience Letters, 1994, 165, 208-210.	1.0	884

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91	Interleukin-1 $\beta$ , interleukin-6, epidermal growth factor and transforming growth factor- $\beta$ are elevated in the brain from parkinsonian patients. <i>Neuroscience Letters</i> , 1994, 180, 147-150.	1.0	770
92	Peripherally administered (6R)-tetrahydrobiopterin increases in vivo tyrosine hydroxylase activity in the striatum measured by microdialysis both in normal mice and in transgenic mice carrying human tyrosine hydroxylase. <i>Neuroscience Letters</i> , 1994, 182, 44-46.	1.0	13
93	Endogenous MPTP-Like Amines in the Brain: Isoquinolines. , 1994, , 149-159.		1
94	Characterization of four new cell lines derived from small-cell gastrointestinal carcinoma. <i>International Journal of Cancer</i> , 1993, 54, 965-971.	2.3	21
95	Presence of N-methyldopamine in parkinsonian and normal human brains. <i>Biomedical Applications</i> , 1993, 613, 1-8.	1.7	10
96	Biochemical properties of carboxypeptidase from <i>Aloe arborescens</i> Miller var. <i>natalensis</i> Berger. <i>Phytotherapy Research</i> , 1993, 7, S26-S29.	2.8	18
97	Mechanism of antiinflammatory and antithermal burn action of CPase from <i>Aloe arborescens</i> Miller var. <i>natalensis</i> Berger in rats and mice. <i>Phytotherapy Research</i> , 1993, 7, S30-S33.	2.8	20
98	Structure of the mouse tyrosine hydroxylase gene. <i>Biochemical and Biophysical Research Communications</i> , 1992, 182, 348-354.	1.0	42
99	Multiple mRNA forms of human GTP cyclohydrolase I. <i>Biochemical and Biophysical Research Communications</i> , 1992, 187, 359-365.	1.0	94
100	Selective inhibition of complex I by N-methylisoquinolinium ion and N-methyl-1,2,3,4-tetrahydroisoquinoline in isolated mitochondria prepared from mouse brain. <i>Journal of the Neurological Sciences</i> , 1992, 109, 219-223.	0.3	55
101	Molecular cloning of genomic DNA and chromosomal assignment of the gene for human aromatic L-amino acid decarboxylase, the enzyme for catecholamine and serotonin biosynthesis. <i>Biochemistry</i> , 1992, 31, 2229-2238.	1.2	96
102	Tissue-specific alternative splicing of the first exon generates two types of mRNAs in human aromatic L-amino acid decarboxylase. <i>Biochemistry</i> , 1992, 31, 11546-11550.	1.2	62
103	N-Methylation of Dopamine-Derived 6,7-Dihydroxy-1,2,3,4-Tetrahydroisoquinoline, (R)-Salsolinol, in Rat Brains: In Vivo Microdialysis Study. <i>Journal of Neurochemistry</i> , 1992, 59, 395-400.	2.1	104
104	Inhibition of Tyrosine Hydroxylase by R and S Enantiomers of Salsolinol, 1-Methyl-6,7-Dihydroxy-1,2,3,4-Tetrahydroisoquinoline. <i>Journal of Neurochemistry</i> , 1992, 58, 2097-2101.	2.1	56
105	Endogenous synthesis of N-methylsalsolinol, an analogue of 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine, in rat brain during in vivo microdialysis with salsolinol, as demonstrated by gas chromatography-mass spectrometry. <i>Biomedical Applications</i> , 1992, 578, 109-115.	1.7	27
106	Tissue-specific and high-level expression of the human tyrosine hydroxylase gene in transgenic mice. <i>Neuron</i> , 1991, 6, 583-594.	3.8	120
107	Primary structure of mouse tyrosine hydroxylase deduced from its cDNA. <i>Biochemical and Biophysical Research Communications</i> , 1991, 176, 1610-1616.	1.0	58
108	Presence of 2-methyl-6,7-dihydroxy-1,2,3,4-tetrahydroisoquinoline and 1,2-dimethyl-6,7-dihydroxy-1,2,3,4-tetrahydroisoquinoline, novel endogenous amines, in parkinsonian and normal human brains. <i>Biochemical and Biophysical Research Communications</i> , 1991, 177, 603-609.	1.0	98



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109	The newly synthesized selective Ca <sup>2+</sup> -calmodulin dependent protein kinase II inhibitor KN-93 reduces dopamine contents in PC12h cells. <i>Biochemical and Biophysical Research Communications</i> , 1991, 181, 968-975.	1.0	473
110	Parkinsonism in monkeys produced by chronic administration of an endogenous substance of the brain, tetrahydroisoquinoline: The behavioral and biochemical changes. <i>Neuroscience Letters</i> , 1990, 119, 109-113.	1.0	101
111	Multiple mRNAs of monkey tyrosine hydroxylase. <i>Biochemical and Biophysical Research Communications</i> , 1990, 173, 1331-1336.	1.0	38
112	Human dopamine $\beta$ -hydroxylase gene: two mRNA types having different 3'terminal regions are produced through alternative polyadenylation. <i>Nucleic Acids Research</i> , 1989, 17, 1089-1102.	6.5	158
113	Presence of tetrahydroisoquinoline, a parkinsonism-related compound, in foods. <i>Biomedical Applications</i> , 1989, 493, 347-352.	1.7	76
114	Detection of tetrahydroisoquinoline in parkinsonian brain as an endogenous amine by use of gas chromatography-mass spectrometry. <i>Biomedical Applications</i> , 1989, 491, 397-403.	1.7	35
115	Oxidation of N-Methyl-1,2,3,4-Tetrahydroisoquinoline into the N-Methyl-Isoquinolinium Ion by Monoamine Oxidase. <i>Journal of Neurochemistry</i> , 1989, 52, 653-655.	2.1	95
116	A N-methyltransferase in human brain catalyses N-methylation of 1,2,3,4-tetrahydroisoquinoline into N-methyl-1,2,3,4-tetrahydroisoquinoline, a precursor of a dopaminergic neurotoxin, N-methylisoquinolinium ion. <i>Biochemical and Biophysical Research Communications</i> , 1989, 161, 1213-1219.	1.0	112
117	Isolation and characterization of a cDNA clone encoding human aromatic L-amino acid decarboxylase. <i>Biochemical and Biophysical Research Communications</i> , 1989, 164, 1024-1030.	1.0	105
118	increased dopamine and serotonin metabolism in rat nucleus accumbens produced by intracranial self-stimulation of medial forebrain bundle as measured by in vivo microdialysis. <i>Brain Research</i> , 1989, 495, 178-181.	1.1	93
119	$\beta$ 2-microglobulin decrease in cerebrospinal fluid from parkinsonian patients. <i>Neuroscience Letters</i> , 1989, 104, 241-246.	1.0	22
120	Analysis of salsolinol in human brain using high-performance liquid chromatography with electrochemical detection. <i>Biomedical Applications</i> , 1988, 428, 152-155.	1.7	21
121	Effects of Systemic Administration of 1-Methyl-4-Phenyl-1,2,3,6-Tetrahydropyridine to Mice on Tyrosine Hydroxylase, L-3,4-Dihydroxyphenylalanine Decarboxylase, Dopamine $\beta$ -Hydroxylase, and Monoamine Oxidase Activities in the Striatum and Hypothalamus. <i>Journal of Neurochemistry</i> , 1988, 50, 1053-1056.	2.1	29
122	Inhibition of Type A Monoamine Oxidase by Methylquinolines and Structurally Related Compounds. <i>Journal of Neurochemistry</i> , 1988, 50, 1105-1110.	2.1	12
123	Tyrosine Hydroxylase Activity in Caudate Nucleus from Parkinson's Disease: Effects of Iron and Phosphorylating Agents. <i>Journal of Neurochemistry</i> , 1988, 50, 202-208.	2.1	66
124	Migration of tetrahydroisoquinoline, a possible parkinsonian neurotoxin, into monkey brain from blood as proved by gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 1988, 452, 85-91.	1.8	52
125	Aromatic L-amino acid decarboxylase-immunoreactive neurons in and around the cerebrospinal fluid-contacting neurons of the central canal do not contain dopamine or serotonin in the mouse and rat spinal cord. <i>Brain Research</i> , 1988, 475, 91-102.	1.1	105
126	Inactivation of tyrosine hydroxylase in rat striatum by 1-methyl-4-phenylpyridinium ion (MPP <sup>+</sup> ). <i>Neuroscience Letters</i> , 1988, 85, 228-232.	1.0	26



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127	Sandwich enzyme immunoassay of dopamine- $\beta$ -hydroxylase in cerebrospinal fluid from control and parkinsonian patients. <i>Neurochemistry International</i> , 1988, 12, 187-191.	1.9	12
128	An endogenous substance of the brain, tetrahydroisoquinoline, produces parkinsonism in primates with decreased dopamine, tyrosine hydroxylase and bipterin in the nigrostriatal regions. <i>Neuroscience Letters</i> , 1988, 87, 178-182.	1.0	207
129	Effect of long-term administration of 1,2,3,4-tetrahydroisoquinoline (TIQ) on striatal dopamine and 3,4-dihydroxyphenylacetic acid (DOPAC) content in mice. <i>Neuroscience Letters</i> , 1988, 92, 321-324.	1.0	11
130	Effect of the 1-methyl-4-phenylpyridinium ion on phosphorylation of tyrosine hydroxylase in rat pheochromocytoma PC12h cells. <i>Neuroscience Letters</i> , 1988, 89, 209-215.	1.0	13
131	Structure of the Human Tyrosine Hydroxylase Gene: Alternative Splicing from a Single Gene Accounts for Generation of Four mRNA Types <sup>1</sup> . <i>Journal of Biochemistry</i> , 1988, 103, 907-912.	0.9	139
132	Effects of repeated systemic administration of 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP) on striatal tyrosine hydroxylase activity in vitro and tyrosine hydroxylase content. <i>Neuroscience Letters</i> , 1987, 80, 213-218.	1.0	43
133	Isolation of a novel cDNA clone for human tyrosine hydroxylase: Alternative RNA splicing produces four kinds of mRNA from a single gene. <i>Biochemical and Biophysical Research Communications</i> , 1987, 146, 971-975.	1.0	162
134	Presence of tetrahydroisoquinoline and 2-methyl-tetrahydroquinoline in Parkinsonian and normal human brains. <i>Biochemical and Biophysical Research Communications</i> , 1987, 144, 1084-1089.	1.0	185
135	Inhibition of type A monoamine oxidase by 1-methyl-4-phenylpyridine. <i>Neuroscience Letters</i> , 1987, 73, 293-297.	1.0	21
136	Dipeptidyl-aminopeptidase II in human cerebrospinal fluid: Changes in patients with Parkinson's disease. <i>Biochemical Medicine and Metabolic Biology</i> , 1987, 37, 360-365.	0.7	16
137	Post-proline cleaving enzyme in human cerebrospinal fluid from control patients and parkinsonian patients. <i>Biochemical Medicine and Metabolic Biology</i> , 1987, 38, 387-391.	0.7	14
138	Ganglioside GM1 Causes Expression of Type B Monoamine Oxidase in a Rat Clonal Pheochromocytoma Cell Line, PC12h. <i>Journal of Neurochemistry</i> , 1987, 49, 1602-1605.	2.1	14
139	Inhibition of Monoamine Oxidase by N-Methylisoquinolinium Ion. <i>Journal of Neurochemistry</i> , 1987, 48, 709-712.	2.1	32
140	The effects of pyridinium salts, structurally related compounds of 1-methyl-4-phenylpyridinium ion (MPP <sup>+</sup> ), on tyrosine hydroxylation in rat striatal tissue slices. <i>Brain Research</i> , 1986, 397, 341-344.	1.1	44
141	Early and late effects of systemically administered 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP) on tyrosine hydroxylase activity in vitro and on tyrosine hydroxylation in tissue slices of mouse striatum. <i>Neuroscience Letters</i> , 1986, 68, 245-248.	1.0	35
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155	<b>IMMUNOHISTOCYTOCHEMICAL AND BIOCHEMICAL STUDIES ON CATECHOLAMINE-SYNTHESIZING ENZYMES OF THE LUMBAR SYMPATHETIC GANGLIA AND SCIATIC NERVES OF</b> <b>BULLFROGS</b>. Biomedical Research, 1982, 3, 197-206.	0.3	3
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