

Michael V Ugrumov

List of Publications by Year in Descending Order

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Version: 2024-04-28

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

113
papers

1,729
citations

25
h-index

35
g-index

120
ext. papers

1,907
ext. citations

3
avg, IF

4.67
L-index

#	Paper	IF	Citations
113	Development of early diagnosis of Parkinson's disease on animal models based on the intranasal administration of L-methyl-p-tyrosine methyl ester in a gel system.. <i>Biomedicine and Pharmacotherapy</i> , 2022 , 150, 112944	7.5	
112	Expression Analysis of Genes Involved in Transport Processes in Mice with MPTP-Induced Model of Parkinson's Disease. <i>Life</i> , 2022 , 12, 751	3	
111	A Monoiodotyrosine Challenge Test in a Parkinson's Disease Model. <i>Acta Naturae</i> , 2021 , 13, 106-109	2.1	1
110	Hypothesis on the Endocrine System of the Brain: Evidence for the Regulated Delivery of Neurohormones from the Brain to the Cerebrospinal Fluid and Vice Versa in Neonatal and Prepubertal Periods of Ontogenesis. <i>Russian Journal of Developmental Biology</i> , 2021 , 52, 414-421	0.8	1
109	A Comparative Analysis of CSF and the Blood Levels of Monoamines As Neurohormones in Rats during Ontogenesis.. <i>Acta Naturae</i> , 2021 , 13, 89-97	2.1	1
108	Development of early diagnosis of Parkinson's disease: Illusion or reality?. <i>CNS Neuroscience and Therapeutics</i> , 2020 , 26, 997	6.8	12
107	Characteristic of Dopamine-Producing System and Dopamine Receptors in the Suprachiasmatic Nucleus in Rats in Ontogenesis. <i>Doklady Biochemistry and Biophysics</i> , 2020 , 490, 34-37	0.8	0
106	Dopamine-Producing Neurons in Rat Ontogeny: Phenotypic Features Underlying Molecular Mechanisms of Secretion and Regulation. <i>Russian Journal of Developmental Biology</i> , 2020 , 51, 57-64	0.8	
105	Developing brain as a source of circulating norepinephrine in rats during the critical period of morphogenesis. <i>Brain Structure and Function</i> , 2019 , 224, 3059-3073	4	1
104	Upgraded Methodology for the Development of Early Diagnosis of Parkinson's Disease Based on Searching Blood Markers in Patients and Experimental Models. <i>Molecular Neurobiology</i> , 2019 , 56, 3437-3450	6.2	15
103	Estimation of Metabolism of Catecholamines in Peripheral Organs As an Indicator of Their Desympathization under the Influence of Neurotoxins. <i>Doklady Biochemistry and Biophysics</i> , 2019 , 486, 171-174	0.8	2
102	The Role of the Brain in the Regulation of Peripheral Noradrenaline-producing Organs in Rats During Morphogenesis. <i>Doklady Biochemistry and Biophysics</i> , 2019 , 486, 243-246	0.8	1
101	The Role of Catecholamines in the Development of Pathological Retina Neovascularization in an Experimental Model of Retinopathy of Prematurity in Rats. <i>Doklady Biochemistry and Biophysics</i> , 2019 , 489, 373-376	0.8	1
100	Proteins of the Vesicular Cycle as a Marker of Neuroplasticity of Dopaminergic Neurons in the Substantia Nigra of the Brain. <i>Doklady Biochemistry and Biophysics</i> , 2019 , 489, 399-402	0.8	
99	Synthesis of Dopamine by Non-Dopaminergic Neurons of the Rat Tuberoinfundibular System during Ontogeny. <i>Neurochemical Journal</i> , 2019 , 13, 335-343	0.5	1
98	MPTP Mouse Model of Preclinical and Clinical Parkinson's Disease as an Instrument for Translational Medicine. <i>Molecular Neurobiology</i> , 2018 , 55, 2991-3006	6.2	18
97	Plasma Metabolome Signature in Patients with Early-stage Parkinson Disease. <i>Current Metabolomics</i> , 2018 , 6,	1	13

96	Dopamine Synthesis as a Mechanism of Brain Plasticity in Nigrostriatal System Pathology. <i>Doklady Biochemistry and Biophysics</i> , 2018 , 479, 83-86	0.8	3
95	General Sources of Dopamine As a Potential Morphogenic Factor in the Developing Striatum of Rats. <i>Doklady Biochemistry and Biophysics</i> , 2018 , 479, 123-126	0.8	
94	Reversible Pharmacological Induction of Motor Symptoms in MPTP-Treated Mice at the Presymptomatic Stage of Parkinsonism: Potential Use for Early Diagnosis of Parkinson's Disease. <i>Molecular Neurobiology</i> , 2017 , 54, 3618-3632	6.2	6
93	Molecular mechanisms of synthesis of noradrenaline as an inducer of development in the adrenal glands of rats in ontogenesis. <i>Doklady Biochemistry and Biophysics</i> , 2017 , 472, 23-26	0.8	2
92	Cooperative Synthesis of Dopamine in Rat Mediobasal Hypothalamus as a Compensatory Mechanism in Hyperprolactinemia. <i>Biochemistry (Moscow)</i> , 2017 , 82, 366-372	2.9	3
91	Plasticity of Central and Peripheral Sources of Noradrenaline in Rats during Ontogenesis. <i>Biochemistry (Moscow)</i> , 2017 , 82, 373-379	2.9	2
90	Cooperative synthesis of dopamine by non-dopaminergic neurons as a compensatory mechanism in the striatum of mice with MPTP-induced Parkinsonism. <i>Neurobiology of Disease</i> , 2017 , 98, 108-121	7.5	28
89	Changes in the secretory activity of organs producing noradrenaline upon inhibition of its synthesis in neonatal rat brain. <i>Russian Journal of Developmental Biology</i> , 2017 , 48, 295-300	0.8	2
88	Transcriptome Profile Changes in Mice with MPTP-Induced Early Stages of Parkinson's Disease. <i>Molecular Neurobiology</i> , 2017 , 54, 6775-6784	6.2	14
87	Gene expression and content of enzymes of noradrenaline synthesis in the rat organ of Zuckerkandl at the critical period of morphogenesis. <i>Doklady Biochemistry and Biophysics</i> , 2017 , 474, 200-203	0.8	
86	Missing proof of cooperative synthesis of dopamine by non-dopaminergic neurons. <i>Doklady Biochemistry and Biophysics</i> , 2016 , 468, 197-9	0.8	
85	Gene expression of proteins of the vesicle cycle in dopaminergic neurons in modeling of Parkinson's disease. <i>Doklady Biochemistry and Biophysics</i> , 2016 , 468, 206-8	0.8	3
84	Gene expression of proteins of the vesicle cycle in the striatum and motor cortex under functional failure of nigrostriatal system. <i>Doklady Biochemistry and Biophysics</i> , 2016 , 470, 313-315	0.8	1
83	Secretory activity of the brain and peripheral organs: Spontaneous and stimulated release of noradrenaline in the ontogenesis of rats. <i>Doklady Biochemistry and Biophysics</i> , 2016 , 467, 153-6	0.8	1
82	Signal molecules during the organism development: Central and peripheral sources of noradrenaline in rat ontogenesis. <i>Doklady Biochemistry and Biophysics</i> , 2016 , 466, 74-6	0.8	7
81	Role of Adenohypophysotropic Neurohormones in Endocrine Paraadenohypophysial Regulation of Peripheral Target Organs in Rat Ontogeny. <i>Bulletin of Experimental Biology and Medicine</i> , 2015 , 159, 293-6	0.8	
80	Modeling of chronic selective inhibition of noradrenaline synthesis in the brain of neonatal rats. <i>Doklady Biochemistry and Biophysics</i> , 2015 , 461, 123-6	0.8	3
79	The secretion of noradrenaline from the brain into the peripheral blood during rat ontogenesis. <i>Neurochemical Journal</i> , 2015 , 9, 95-100	0.5	3

78	Tyrosine hydroxylase expression and activity in nigrostriatal dopaminergic neurons of MPTP-treated mice at the presymptomatic and symptomatic stages of parkinsonism. <i>Journal of the Neurological Sciences</i> , 2014 , 340, 198-207	3.2	48
77	Expression analysis of genes of ubiquitin-proteasome protein degradation system in MPTP-induced mice models of early stages of Parkinson's disease. <i>Doklady Biochemistry and Biophysics</i> , 2014 , 456, 116-8	6.8	11
76	Neurons expressing individual enzymes of dopamine synthesis in the mediobasal hypothalamus of adult rats: functional significance and topographic interrelations. <i>Neuroscience</i> , 2014 , 277, 45-54	3.9	18
75	Brain neurons partly expressing dopaminergic phenotype: location, development, functional significance, and regulation. <i>Advances in Pharmacology</i> , 2013 , 68, 37-91	5.7	30
74	Developing brain as an endocrine organ: secretion of dopamine. <i>Molecular and Cellular Endocrinology</i> , 2012 , 348, 78-86	4.4	19
73	High frequency stimulation of the subthalamic nucleus impacts adult neurogenesis in a rat model of Parkinson's disease. <i>Neurobiology of Disease</i> , 2011 , 42, 284-91	7.5	25
72	Endocrine function of dopaminergic neurons in the neonatal rat brain. <i>Neurochemical Journal</i> , 2011 , 5, 169-175	0.5	
71	Modeling of presymptomatic and symptomatic stages of parkinsonism in mice. <i>Neuroscience</i> , 2011 , 181, 175-88	3.9	78
70	Vasopressinergic neurons of the supraoptic nucleus in perinatal rats: reaction to osmotic stimulation and its regulation. <i>Brain Structure and Function</i> , 2011 , 215, 195-207	4	11
69	Experimental modeling of preclinical and clinical stages of Parkinson's disease. <i>Bulletin of Experimental Biology and Medicine</i> , 2011 , 150, 566-9	0.8	3
68	Developing brain as an endocrine organ: a paradoxical reality. <i>Neurochemical Research</i> , 2010 , 35, 837-50	4.6	38
67	The influence of catecholamine on the migration of gonadotropin-releasing hormone-producing neurons in the rat fetuses. <i>Brain Structure and Function</i> , 2009 , 213, 289-300	4	17
66	Development of central and peripheral serotonin-producing systems in rats in ontogenesis. <i>Journal of Evolutionary Biochemistry and Physiology</i> , 2009 , 45, 78-85	0.5	1
65	Role of noradrenaline in the development of dopamine-induced hyperprolactinemia. <i>Neurochemical Journal</i> , 2009 , 3, 288-296	0.5	
64	Non-dopaminergic neurons partly expressing dopaminergic phenotype: distribution in the brain, development and functional significance. <i>Journal of Chemical Neuroanatomy</i> , 2009 , 38, 241-56	3.2	79
63	Compensatory reaction during degeneration of arcuate nucleus dopaminergic neurons in rats. <i>Journal of Evolutionary Biochemistry and Physiology</i> , 2008 , 44, 82-88	0.5	3
62	Migration and differentiation of gonadotropin-releasing hormone-producing neurons in the brain of mouse fetus exposed to excess of serotonin. <i>Journal of Evolutionary Biochemistry and Physiology</i> , 2007 , 43, 356-364	0.5	
61	Tyrosine hydroxylase expression in the olfactory/respiratory epithelium in early sheep fetuses (<i>Ovis aries</i>). <i>Brain Research</i> , 2006 , 1083, 29-38	3.7	8

60	Noradrenergic regulation of galanin expression in the supraoptic nucleus in the rat hypothalamus. An ex vivo study. <i>Journal of Neuroscience Research</i> , 2006 , 83, 857-63	4.4	13
59	Expression of tyrosine hydroxylase in vasopressinergic neurons of the supraoptic nucleus in rat ontogenesis and its modulation by noradrenergic afferents. <i>Journal of Evolutionary Biochemistry and Physiology</i> , 2006 , 42, 174-181	0.5	
58	Hypothalamic 5-HT _{1B} -receptor changes in anorectic tumor bearing rats. <i>Neuroscience Letters</i> , 2005 , 376, 71-5	3.3	20
57	Normalization of hypothalamic serotonin (5-HT _{1B}) receptor and NPY in cancer anorexia after tumor resection: an immunocytochemical study. <i>Neuroscience Letters</i> , 2005 , 383, 322-7	3.3	21
56	Degeneration of dopaminergic neurons triggers an expression of individual enzymes of dopamine synthesis in non-dopaminergic neurons of the arcuate nucleus in adult rats. <i>Journal of Chemical Neuroanatomy</i> , 2005 , 30, 27-33	3.2	25
55	Long-lasting effects of serotonin deficiency on differentiating peptidergic neurons in the rat suprachiasmatic nucleus. <i>International Journal of Developmental Neuroscience</i> , 2005 , 23, 85-91	2.7	16
54	Brain is an important source of GnRH in general circulation in the rat during prenatal and early postnatal ontogenesis. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2005 , 141, 271-9	2.6	18
53	Axonal projections from the hypothalamus to the pituitary intermediate lobe in rats during ontogenesis: Dil tracing study. <i>Developmental Brain Research</i> , 2005 , 155, 117-26		9
52	Effects of omega-3 fatty acids on orexigenic and anorexigenic modulators at the onset of anorexia. <i>Brain Research</i> , 2005 , 1046, 157-64	3.7	22
51	Developing Brain as a Giant Multipotent Endocrine Gland. <i>Neurophysiology</i> , 2005 , 37, 225-238	0.6	
50	Dopamine synthesis by non-dopaminergic neurons expressing individual complementary enzymes of the dopamine synthetic pathway in the arcuate nucleus of fetal rats. <i>Neuroscience</i> , 2004 , 124, 629-35	3.9	46
49	Decreased NPY innervation of the hypothalamic nuclei in rats with cancer anorexia. <i>Brain Research</i> , 2003 , 961, 100-8	3.7	45
48	Influence of serotonin on the development and migration of gonadotropin-releasing hormone neurones in rat foetuses. <i>Journal of Neuroendocrinology</i> , 2003 , 15, 549-58	3.8	40
47	Influence of monoamines on differentiating gonadotropin-releasing hormone neurones in foetal mice. <i>Journal of Neuroendocrinology</i> , 2003 , 15, 925-32	3.8	22
46	Prolonged neurogenesis during early development of gonadotropin-releasing hormone neurones in sheep (<i>Ovis Aries</i>): in vivo and in vitro studies. <i>Neuroendocrinology</i> , 2003 , 77, 177-86	5.6	7
45	Dynamical study of tyrosine hydroxylase expression and its correlation with vasopressin turnover in the magnocellular neurons of the supraoptico-posthypophysial system under long-term salt loading of adult rats. <i>Brain Research</i> , 2002 , 925, 67-75	3.7	16
44	Tyrosine hydroxylase- and/or aromatic L-amino acid decarboxylase-expressing neurons in the rat arcuate nucleus: ontogenesis and functional significance. <i>Psychoneuroendocrinology</i> , 2002 , 27, 533-48	5	29
43	Magnocellular vasopressin system in ontogenesis: development and regulation. <i>Microscopy Research and Technique</i> , 2002 , 56, 164-71	2.8	28

42	Differentiation of tyrosine hydroxylase-synthesizing and/or aromatic L-amino acid decarboxylase-synthesizing neurons in the rat mediobasal hypothalamus: quantitative double-immunofluorescence study. <i>Journal of Comparative Neurology</i> , 2002 , 446, 114-22	3.4	36
41	Differentiation of Magnocellular Vasopressinergic Neurons and Its Regulation by Signal Molecules in Ontogenesis. <i>Journal of Evolutionary Biochemistry and Physiology</i> , 2002 , 38, 575-585	0.5	
40	Neurons possessing enzymes of dopamine synthesis in the mediobasal hypothalamus of rats. Topographic relations and axonal projections to the median eminence in ontogenesis. <i>Journal of Chemical Neuroanatomy</i> , 2002 , 24, 95-107	3.2	18
39	Distribution of serotonin 5-hydroxytryptamine 1B (5-HT(1B)) receptors in the normal rat hypothalamus. <i>Neuroscience Letters</i> , 2002 , 328, 155-9	3.3	50
38	Dopamine Synthesis from L-Tyrosine by Non-Dopaminergic Neurons in Co-Operation. <i>Advances in Behavioral Biology</i> , 2002 , 95-98		
37	Axonal projections from the hypothalamus to the median eminence in rats during ontogenesis: Dil tracing study. <i>Anatomy and Embryology</i> , 2001 , 204, 239-52		9
36	Effect of Serotonin on Development of the Luteinizing Hormone-Releasing Hormone System in Wistar Rat Embryos. <i>Journal of Evolutionary Biochemistry and Physiology</i> , 2001 , 37, 556-561	0.5	
35	A Qualitative Assessment of Neuron Populations Expressing the Enzymes of Dopamine Synthesis in the Rat Accumbens Nucleus during Ontogeny. <i>Biology Bulletin</i> , 2001 , 28, 64-70	0.5	
34	Tyrosine hydroxylase expression in differentiating neurons of the rat arcuate nucleus: stimulatory influence of serotonin afferents. <i>Neural Plasticity</i> , 2001 , 8, 271-84	3.3	8
33	Neurotransplants in Treatment of Parkinson's Disease 2001 , 349-363		1
32	Projections from the hypothalamus to the posterior lobe in rats during ontogenesis: 1,1'-dioctadecyl-3,3,3', 3'-tetramethylindocarbocyanine perchlorate tracing study. <i>Journal of Comparative Neurology</i> , 2000 , 422, 327-37	3.4	22
31	Tyrosine hydroxylase-expressing and/or aromatic L-amino acid decarboxylase-expressing neurons in the mediobasal hypothalamus of perinatal rats: differentiation and sexual dimorphism. <i>Journal of Comparative Neurology</i> , 2000 , 425, 167-76	3.4	49
30	Hypothalamo-pituitary control of the cell-mediated immunity in rat embryos: role of LHRH in regulation of lymphocyte proliferation. <i>Journal of Reproductive Immunology</i> , 2000 , 47, 17-32	4.2	21
29	Tyrosine hydroxylase in vasopressinergic axons of the pituitary posterior lobe of rats under salt-loading as a manifestation of neurochemical plasticity. <i>Neural Plasticity</i> , 2000 , 7, 179-91	3.3	14
28	Dopamine turnover in the mediobasal hypothalamus in rat fetuses. <i>Neuroscience</i> , 1999 , 89, 235-41	3.9	30
27	Prolactin secretion and its dopamine inhibitory control in rat fetuses. <i>European Journal of Endocrinology</i> , 1998 , 139, 337-42	6.5	29
26	Long-lasting effect of catecholamine deficiency on differentiating vasopressin and oxytocin neurons in the rat supraoptic nucleus. <i>Neuroscience</i> , 1997 , 79, 555-61	3.9	14
25	Development of the mesencephalic and diencephalic catecholamine systems in human fetuses: uptake and release of catecholamines in vitro. <i>Neuroscience Letters</i> , 1996 , 212, 29-32	3.3	6

24	Birthdates of the tyrosine hydroxylase immunoreactive neurons in the hypothalamus of male and female rats. <i>Neuroendocrinology</i> , 1996 , 64, 405-11	5.6	22
23	Pharmacological model of catecholamine depletion in the hypothalamus of fetal and neonatal rats and its application. <i>Cellular and Molecular Neurobiology</i> , 1996 , 16, 617-24	4.6	7
22	Development of the hypothalamic vasopressin system and nephrons in <i>Meriones shawi</i> during ontogenesis. <i>Anatomy and Embryology</i> , 1996 , 193, 281-96		13
21	Androgen-dependent sex differences in the hypothalamic serotonergic system. <i>European Journal of Endocrinology</i> , 1996 , 134, 232-5	6.5	18
20	Vasopressin and oxytocin gene expression in intact rats and under catecholamine deficiency during ontogenesis. <i>Brain Research Bulletin</i> , 1995 , 37, 437-48	3.9	25
19	Development of the suprachiasmatic nucleus in rats during ontogenesis: tyrosine hydroxylase immunopositive cell bodies and fibers. <i>Neuroscience</i> , 1994 , 58, 151-60	3.9	15
18	Development of the suprachiasmatic nucleus in rats during ontogenesis: serotonin-immunopositive fibers. <i>Neuroscience</i> , 1994 , 58, 161-5	3.9	16
17	Postnatal development of the suprachiasmatic nucleus in the rat. Morpho-functional characteristics and time course of tyrosine hydroxylase immunopositive fibers. <i>Neuroscience</i> , 1994 , 63, 603-10	3.9	28
16	Altered vasoactive intestinal polypeptide gene expression in the fetal rat suprachiasmatic nucleus following prenatal serotonin deficiency. <i>International Journal of Developmental Neuroscience</i> , 1994 , 12, 143-9	2.7	13
15	Development of the tuberoinfundibular system in rats: birthdates of the tyrosine hydroxylase-immunopositive neurons. <i>Developmental Brain Research</i> , 1993 , 73, 173-6		4
14	Development of the median eminence during ontogenesis (morpho-functional aspects). <i>Progress in Brain Research</i> , 1992 , 91, 349-56	2.9	12
13	Developing hypothalamus in differentiation of neurosecretory neurons and in establishment of pathways for neurohormone transport. <i>International Review of Cytology</i> , 1991 , 129, 207-67		28
12	Ontogenesis of the hypothalamic catecholaminergic system in rats: synthesis, uptake and release of catecholamines. <i>Neuroscience</i> , 1991 , 43, 223-9	3.9	43
11	Topographic relations between tyrosine hydroxylase- and luteinizing hormone-releasing hormone-immunoreactive fibers in the median eminence of adult rats. <i>Neuroscience Letters</i> , 1989 , 102, 159-64	3.3	26
10	Ontogenesis of tyrosine hydroxylase-immunopositive structures in the rat hypothalamus. An atlas of neuronal cell bodies. <i>Neuroscience</i> , 1989 , 29, 135-56	3.9	53
9	Ontogenesis of tyrosine hydroxylase-immunopositive structures in the rat hypothalamus. Fiber pathways and terminal fields. <i>Neuroscience</i> , 1989 , 29, 157-66	3.9	37
8	On the distribution and morpho-functional characteristics of 5-HT-immunoreactive cells in the hypothalamus of fetuses and neonatal rats. <i>Developmental Brain Research</i> , 1989 , 46, 233-41		23
7	Development of the hypothalamic 5-hydroxytryptamine system during ontogenesis in rats: uptake and release of 5-hydroxytryptamine in vitro. <i>Neuroscience</i> , 1989 , 32, 127-31	3.9	20

6	Ependymal lining of infundibular recess in perinatal rats: relationships with portal capillaries and permeability. <i>International Journal of Developmental Neuroscience</i> , 1986 , 4, 101-11	2.7	9
5	Development of the hypothalamic serotonergic system during ontogenesis in rats. Immunocytochemical and radioautographic study. <i>Developmental Brain Research</i> , 1986 , 30, 75-84		30
4	Axovascular relationships in developing median eminence of perinatal rats with special reference to luteinizing hormone-releasing hormone projections. <i>Neuroscience</i> , 1985 , 16, 897-906	3.9	24
3	Permeability of the blood-brain barrier in the median eminence during the perinatal period in rats. <i>Cell and Tissue Research</i> , 1983 , 230, 649-60	4.2	18
2	On degeneration of peptidergic neurosecretory fibres in the albino rat. <i>Cell and Tissue Research</i> , 1975 , 160, 113-23	4.2	4
1	The hypothalamo-hypophysial system of hypophysectomized rats. I. Ultrastructure of nerve fibres in "intact" and dehydrated animals. <i>Cell and Tissue Research</i> , 1974 , 155, 541-54	4.2	20