

# Raphael Escorsim Szawka

## List of Publications by Year in descending order

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84  
papers

1,644  
citations

279487

23  
h-index

360668

35  
g-index

85  
all docs

85  
docs citations

85  
times ranked

1890  
citing authors

#	ARTICLE	IF	CITATIONS
1	17 $\beta$ -Estradiol replacement in young, adult and middle-aged female ovariectomized rats promotes improvement of spatial reference memory and an antidepressant effect and alters monoamines and BDNF levels in memory- and depression-related brain areas. <i>Behavioural Brain Research</i> , 2012, 227, 100-108.	1.2	112
2	Prolactin Regulates Kisspeptin Neurons in the Arcuate Nucleus to Suppress LH Secretion in Female Rats. <i>Endocrinology</i> , 2014, 155, 1010-1020.	1.4	98
3	Kisspeptin Regulates Prolactin Release through Hypothalamic Dopaminergic Neurons. <i>Endocrinology</i> , 2010, 151, 3247-3257.	1.4	84
4	Locus Coeruleus Mediates Cold Stress-Induced Polycystic Ovary in Rats. <i>Endocrinology</i> , 2008, 149, 2907-2916.	1.4	53
5	Evaluation of chronic omega-3 fatty acids supplementation on behavioral and neurochemical alterations in 6-hydroxydopamine-lesion model of Parkinson's disease. <i>Neuroscience Research</i> , 2010, 66, 256-264.	1.0	52
6	Release of Norepinephrine in the Preoptic Area Activates Anteroventral Periventricular Nucleus Neurons and Stimulates the Surge of Luteinizing Hormone. <i>Endocrinology</i> , 2013, 154, 363-374.	1.4	52
7	Ovarian $\alpha$ -Steroid Modulation of Locus Coeruleus Activity in Female Rats: Involvement in Luteinising Hormone Regulation. <i>Journal of Neuroendocrinology</i> , 2009, 21, 629-639.	1.2	41
8	Neonatal handling and the maternal odor preference in rat pups: Involvement of monoamines and cyclic AMP response element-binding protein pathway in the olfactory bulb. <i>Neuroscience</i> , 2009, 159, 31-38.	1.1	41
9	Kisspeptin Regulates Tuberoinfundibular Dopaminergic Neurons and Prolactin Secretion in an Oestradiol $\alpha$ -Dependent Manner in Male and Female Rats. <i>Journal of Neuroendocrinology</i> , 2015, 27, 88-99.	1.2	41
10	Acute Suppression of LH Secretion by Prolactin in Female Mice Is Mediated by Kisspeptin Neurons in the Arcuate Nucleus. <i>Endocrinology</i> , 2019, 160, 1323-1332.	1.4	41
11	Muscarinic acetylcholine neurotransmission enhances the late-phase of long-term potentiation in the hippocampal $\alpha$ -prefrontal cortex pathway of rats in vivo: A possible involvement of monoaminergic systems. <i>Neuroscience</i> , 2008, 153, 1309-1319.	1.1	36
12	Oestrogen regulates bone resorption and cytokine production in the maxillae of female mice. <i>Archives of Oral Biology</i> , 2015, 60, 333-341.	0.8	34
13	Selective post-training time window for memory consolidation interference of cannabidiol into the prefrontal cortex: Reduced dopaminergic modulation and immediate gene expression in limbic circuits. <i>Neuroscience</i> , 2017, 350, 85-93.	1.1	32
14	Evaluation of Estrogen Neuroprotective Effect on Nigrostriatal Dopaminergic Neurons Following 6-Hydroxydopamine Injection into the Substantia Nigra Pars Compacta or the Medial Forebrain Bundle. <i>Neurochemical Research</i> , 2008, 33, 1238-1246.	1.6	31
15	Auditory stimulation by exposure to melodic music increases dopamine and serotonin activities in rat forebrain areas linked to reward and motor control. <i>Neuroscience Letters</i> , 2018, 673, 73-78.	1.0	28
16	Tyrosine Hydroxylase Neurons Regulate Growth Hormone Secretion via Short-Loop Negative Feedback. <i>Journal of Neuroscience</i> , 2020, 40, 4309-4322.	1.7	28
17	$\alpha$ -Estrogen and Progesterone Receptors Modulate Kisspeptin Effects on Prolactin: Role in Estradiol-Induced Prolactin Surge in Female Rats. <i>Endocrinology</i> , 2017, 158, 1812-1826.	1.4	27
18	Noradrenaline Release in the Medial Preoptic Area During the Rat Oestrous Cycle: Temporal Relationship with Plasma Secretory Surges of Prolactin and Luteinising Hormone. <i>Journal of Neuroendocrinology</i> , 2007, 19, 374-382.	1.2	26

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19	Intrinsic exercise capacity is related to differential monoaminergic activity in the rat forebrain. <i>Brain Research Bulletin</i> , 2015, 112, 7-13.	1.4	25
20	Osteoprotective Effects of Estrogen in the Maxillary Bone Depend on ER $\alpha$ . <i>Journal of Dental Research</i> , 2016, 95, 689-696.	2.5	25
21	The time course of aggressive behaviour in juvenile matrinxã <i>Brycon amazonicus</i> fed with dietary L-tryptophan supplementation. <i>Journal of Fish Biology</i> , 2014, 84, 45-57.	0.7	24
22	A method to study preovulatory surges of gonadotropins. <i>Brain Research Protocols</i> , 2003, 12, 41-48.	1.7	23
23	Pargyline effect on luteinizing hormone secretion throughout the rat estrous cycle: Correlation with serotonin, catecholamines and nitric oxide in the medial preoptic area. <i>Brain Research</i> , 2007, 1142, 37-45.	1.1	23
24	Lesion of the subthalamic nucleus reverses motor deficits but not death of nigrostriatal dopaminergic neurons in a rat 6-hydroxydopamine-lesion model of Parkinson's disease. <i>Brazilian Journal of Medical and Biological Research</i> , 2010, 43, 85-95.	0.7	23
25	Ovarian Steroids But Not the Locus Coeruleus Regulate Stress-Induced Prolactin Secretion in Female Rats. <i>Journal of Neuroendocrinology</i> , 2006, 18, 938-948.	1.2	22
26	Counteraction by Nitric Oxide Synthase Inhibitor of Neurochemical Alterations of Dopaminergic System in 6-OHDA-Lesioned Rats Under L-DOPA Treatment. <i>Neurotoxicity Research</i> , 2014, 25, 33-44.	1.3	22
27	Ventilatory, metabolic, and thermal responses to hypercapnia in female rats: effects of estrous cycle, ovariectomy, and hormonal replacement. <i>Journal of Applied Physiology</i> , 2015, 119, 61-68.	1.2	22
28	Influence of estrous cycle hormonal fluctuations and gonadal hormones on the ventilatory response to hypoxia in female rats. <i>Pflügers Archiv European Journal of Physiology</i> , 2017, 469, 1277-1286.	1.3	22
29	Effect of Different Doses of Estrogen on the Nigrostriatal Dopaminergic System in Two 6-Hydroxydopamine-Induced Lesion Models of Parkinson's Disease. <i>Neurochemical Research</i> , 2011, 36, 955-961.	1.6	21
30	Lactation induces increases in the RANK/RANKL/OPG system in maxillary bone. <i>Bone</i> , 2018, 110, 160-169.	1.4	21
31	Prolactin secretory surge during estrus coincides with increased dopamine activity in the hypothalamus and preoptic area and is not altered by ovariectomy on proestrus. <i>Brain Research Bulletin</i> , 2007, 73, 127-134.	1.4	20
32	Locus Coeruleus Norepinephrine Regulates the Surge of Prolactin During Oestrus. <i>Journal of Neuroendocrinology</i> , 2005, 17, 639-648.	1.2	19
33	Effects of Neonatal Handling on Central Noradrenergic and Nitric Oxidergic Systems and Reproductive Parameters in Female Rats. <i>Neuroendocrinology</i> , 2008, 87, 151-159.	1.2	19
34	Serotonergic mechanisms on breathing modulation in the rat locus coeruleus. <i>Pflügers Archiv European Journal of Physiology</i> , 2010, 459, 357-368.	1.3	18
35	ST2 regulates bone loss in a site-dependent and estrogen-dependent manner. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 8511-8521.	1.2	18
36	Hypothalamic Effects of Tamoxifen on Oestrogen Regulation of Luteinising Hormone and Prolactin Secretion in Female Rats. <i>Journal of Neuroendocrinology</i> , 2016, 28, .	1.2	17

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37	Role of the locus coeruleus in the prolactin secretion of female rats. <i>Brain Research Bulletin</i> , 2004, 63, 331-338.	1.4	16
38	Stress in Neonatal Rats with Different Maternal Care Backgrounds: Monoaminergic and Hormonal Responses. <i>Neurochemical Research</i> , 2014, 39, 2351-2359.	1.6	16
39	Central blockade of nitric oxide transmission impairs exercise-induced neuronal activation in the PVN and reduces physical performance. <i>Brain Research Bulletin</i> , 2014, 108, 80-87.	1.4	16
40	Estradiol Potentiates But Is Not Essential for Prolactin-Induced Suppression of Luteinizing Hormone Pulses in Female Rats. <i>Endocrinology</i> , 2020, 161, .	1.4	16
41	Kisspeptin Stimulation of Prolactin Secretion Requires Kiss1 Receptor but Not in Tuberoinfundibular Dopaminergic Neurons. <i>Endocrinology</i> , 2019, 160, 522-533.	1.4	15
42	Estrogen protects dental roots from orthodontic-induced inflammatory resorption. <i>Archives of Oral Biology</i> , 2020, 117, 104820.	0.8	15
43	Pro-neurogenic effect of fluoxetine in the olfactory bulb is concomitant to improvements in social memory and depressive-like behavior of socially isolated mice. <i>Translational Psychiatry</i> , 2020, 10, 33.	2.4	15
44	Prenatal stress produces sex differences in nest odor preference. <i>Physiology and Behavior</i> , 2012, 105, 850-855.	1.0	14
45	The improvement of exercise performance by physical training is related to increased hypothalamic neuronal activation. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2016, 43, 116-124.	0.9	14
46	Cervical stimulation activates A1 and locus coeruleus neurons that project to the paraventricular nucleus of the hypothalamus. <i>Brain Research Bulletin</i> , 2012, 88, 566-573.	1.4	13
47	Transitory Activation of the Central and Ovarian Norepinephrine Systems During Cold Stress-Induced Polycystic Ovary in Rats. <i>Journal of Neuroendocrinology</i> , 2013, 25, 23-33.	1.2	13
48	A secondary surge of prolactin on the estrus afternoon. <i>Life Sciences</i> , 2004, 75, 911-922.	2.0	12
49	Alpha-Oestrogen and Progesterin Receptor Expression in the Hypothalamus and Preoptic Area Dopaminergic Neurones During Oestrous in Cycling Rats. <i>Journal of Neuroendocrinology</i> , 2008, 20, 110-119.	1.2	12
50	Rats with higher intrinsic exercise capacities exhibit greater preoptic dopamine levels and greater mechanical and thermoregulatory efficiencies while running. <i>Journal of Applied Physiology</i> , 2019, 126, 393-402.	1.2	12
51	The time-course of thermoregulatory responses during treadmill running is associated with running duration-dependent hypothalamic neuronal activation in rats. <i>Brain Structure and Function</i> , 2019, 224, 2775-2786.	1.2	12
52	Developmental Exposure to the Flame Retardant Mixture Firemaster 550 Compromises Adult Bone Integrity in Male but not Female Rats. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2553.	1.8	12
53	Intrinsic exercise capacity in rats influences dopamine neuroplasticity induced by physical training. <i>Journal of Applied Physiology</i> , 2017, 123, 1721-1729.	1.2	11
54	Effects of the Isolated and Combined Ablation of Growth Hormone and IGF-1 Receptors in Somatostatin Neurons. <i>Endocrinology</i> , 2022, 163, .	1.4	11

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55	Nitric oxide synthase inhibitors improve prepulse inhibition responses of Wistar rats. <i>Behavioural Brain Research</i> , 2011, 217, 416-423.	1.2	10
56	Role of sex hormones in hypercapnia-induced activation of the locus coeruleus in female and male rats. <i>Neuroscience</i> , 2016, 313, 36-45.	1.1	10
57	Participation of locus coeruleus in breathing control in female rats. <i>Respiratory Physiology and Neurobiology</i> , 2017, 245, 29-36.	0.7	10
58	Reduced dopaminergic tone during lactation is permissive to the hypothalamic stimulus for suckling-induced prolactin release. <i>Journal of Neuroendocrinology</i> , 2020, 32, e12880.	1.2	10
59	Noradrenaline Involvement in the Negative Feedback Effects of Ovarian Steroids on Luteinising Hormone Secretion. <i>Journal of Neuroendocrinology</i> , 2009, 21, 805-812.	1.2	9
60	Reduced Vesicular Acetylcholine Transporter favors antidepressant behaviors and modulates serotonin and dopamine in female mouse brain. <i>Behavioural Brain Research</i> , 2017, 330, 127-132.	1.2	9
61	L-Dopa treatment during perinatal development leads to different behavioral alterations in female vs. male juvenile Swiss mice. <i>Pharmacology Biochemistry and Behavior</i> , 2018, 173, 1-14.	1.3	9
62	Kisspeptin and Prolactin. <i>Seminars in Reproductive Medicine</i> , 2019, 37, 093-104.	0.5	9
63	Molecular basis of <i>Period 1</i> regulation by adrenergic signaling in the heart. <i>FASEB Journal</i> , 2021, 35, e21886.	0.2	9
64	Growth hormone receptor in dopaminergic neurones regulates stress-induced prolactin release in male mice. <i>Journal of Neuroendocrinology</i> , 2021, 33, e12957.	1.2	8
65	Maternal hypothyroidism reduces the expression of the kisspeptin/Kiss1r system in the maternal-fetal interface of rats. <i>Reproductive Biology</i> , 2022, 22, 100615.	0.9	7
66	Kisspeptin Treatment Restores Ovarian Function in Rats with Hypothyroidism. <i>Thyroid</i> , 2022, 32, 1568-1579.	2.4	7
67	Ablation of Growth Hormone Receptor in GABAergic Neurons Leads to Increased Pulsatile Growth Hormone Secretion. <i>Endocrinology</i> , 2022, 163, .	1.4	7
68	Social interaction masking contributes to changes in the activity of the suprachiasmatic nucleus and impacts on circadian rhythms. <i>Physiology and Behavior</i> , 2021, 237, 113420.	1.0	6
69	The role of testosterone in the respiratory and thermal responses to hypoxia and hypercapnia in rats. <i>Journal of Endocrinology</i> , 2020, 247, 101-114.	1.2	6
70	Embryonic Thermal Manipulation Affects Ventilation, Metabolism, Thermal Control and Central Dopamine in Newly Hatched and Juvenile Chicks. <i>Frontiers in Physiology</i> , 2021, 12, 699142.	1.3	5
71	Impaired thermoregulation in spontaneously hypertensive rats during physical exercise is related to reduced hypothalamic neuronal activation. <i>Pflügers Archiv European Journal of Physiology</i> , 2020, 472, 1757-1768.	1.3	4
72	Morphological plasticity of the tuberoinfundibular dopaminergic neurones in the rat during the oestrous cycle and lactation. <i>Journal of Neuroendocrinology</i> , 2020, 32, e12884.	1.2	4

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73	Increased cholinergic activity under conditions of low estrogen leads to adverse cardiac remodeling. American Journal of Physiology - Cell Physiology, 2021, 320, C602-C612.	2.1	4
74	Inhibition of nNOS in the paraventricular nucleus of hypothalamus decreases exercise-induced hyperthermia. Brain Research Bulletin, 2021, 177, 64-72.	1.4	4
75	GATA-1 mutation alters the spermatogonial phase and steroidogenesis in adult mouse testis. Molecular and Cellular Endocrinology, 2022, 542, 111519.	1.6	4
76	Hypothalamic Expression of Estrogen Receptor Isoforms Underlies Estradiol Control of Luteinizing Hormone in Female Rats. Endocrinology, 2022, 163, .	1.4	4
77	Activity of Hypothalamic Dopaminergic Neurones During the Day of Oestrus: Involvement in Prolactin Secretion. Journal of Neuroendocrinology, 2010, 22, 1052-1060.	1.2	2
78	Role of the locus coeruleus in the prolactin secretion of female rats. Brain Research Bulletin, 2004, 63, 331-331.	1.4	0
79	P.5.d.003 Decreased striatal dopamine turnover following administration of 7-nitroindazole to rats with L-DOPA-induced dyskinesia. European Neuropsychopharmacology, 2009, 19, S630-S631.	0.3	0
80	Role of kisspeptin and its therapeutic potential in fetoplacental dysfunction of hypothyroid rats. Placenta, 2019, 83, e43-e44.	0.7	0
81	Serotonergic neurotransmission in the locus coeruleus modulates hypercapnic ventilatory response. FASEB Journal, 2009, 23, 621.7.	0.2	0
82	Participation of Locus coeruleus (LC) noradrenergic neurons on breathing in female rats. FASEB Journal, 2012, 26, 894.9.	0.2	0
83	Effects of physical training on neuronal hypothalamic activation induced by exercise. FASEB Journal, 2012, 26, 1142.31.	0.2	0
84	Neuronal cholinergic signaling constrains norepinephrine activity in the heart. American Journal of Physiology - Cell Physiology, 2022, 322, C794-C801.	2.1	0