

Silvana A Andric

List of Publications by Year in Descending Order

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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.

70
papers

1,631
citations

25
h-index

38
g-index

80
ext. papers

1,816
ext. citations

4
avg, IF

4.3
L-index

#	Paper	IF	Citations
70	Growing Up Under Constant Light: A Challenge to the Endocrine Function of the Leydig Cells. <i>Frontiers in Endocrinology</i> , 2021 , 12, 653602	5.7	2
69	Mitochondrial Dynamics Markers and Related Signaling Molecules Are Important Regulators of Spermatozoa Number and Functionality. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
68	Aging-Related Increase of cGMP Disrupts Mitochondrial Homeostasis in Leydig Cells. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021 , 76, 177-186	6.4	6
67	Deficiency in insulin-like growth factors signalling in mouse Leydig cells increase conversion of testosterone to estradiol because of feminization. <i>Acta Physiologica</i> , 2021 , 231, e13563	5.6	1
66	Stress-induced glucocorticoids alter the Leydig cells timing and steroidogenesis-related systems. <i>Molecular and Cellular Endocrinology</i> , 2021 , 538, 111469	4.4	0
65	Dependence of Leydig Cell Mitochondrial Physiology on Luteinizing Hormone Signaling. <i>Life</i> , 2020 , 11,	3	6
64	4249 Markers of mitochondrial biogenesis, fusion and architecture are disturbed in PBMC from war veterans with posttraumatic stress disorder (PTSD). <i>Journal of Clinical and Translational Science</i> , 2020 , 4, 98-99	0.4	
63	Reduced spermatozoa functionality during stress is the consequence of adrenergic-mediated disturbance of mitochondrial dynamics markers. <i>Scientific Reports</i> , 2020 , 10, 16813	4.9	5
62	Regulation of Leydig cell steroidogenesis: intriguing network of signaling pathways and mitochondrial signalosome. <i>Current Opinion in Endocrine and Metabolic Research</i> , 2019 , 6, 7-20	1.7	4
61	Luteinizing hormone signaling is involved in synchronization of Leydig cell clock and is crucial for rhythm robustness of testosterone production. <i>Biology of Reproduction</i> , 2019 , 100, 1406-1415	3.9	22
60	Insulin/IGF1 signaling regulates the mitochondrial biogenesis markers in steroidogenic cells of prepubertal testis, but not ovary. <i>Biology of Reproduction</i> , 2019 , 100, 253-267	3.9	9
59	Long-term inhibition of PDE5 ameliorates aging-induced changes in rat testis. <i>Experimental Gerontology</i> , 2018 , 108, 139-148	4.5	9
58	Insulin and IGF1 receptors are essential for the development and steroidogenic function of adult Leydig cells. <i>FASEB Journal</i> , 2018 , 32, 3321-3335	0.9	21
57	Aging has the opposite effect on cAMP and cGMP circadian variations in rat Leydig cells. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2017 , 187, 613-623	2.2	10
56	Teaching Animal Physiology: a 12-year experience transitioning from a classical to interactive approach with continual assessment and computer alternatives. <i>American Journal of Physiology - Advances in Physiology Education</i> , 2017 , 41, 405-414	1.9	2
55	Circadian rhythm of the Leydig cells endocrine function is attenuated during aging. <i>Experimental Gerontology</i> , 2016 , 73, 5-13	4.5	31
54	Prolonged in vivo administration of testosterone-enanthate, the widely used and abused anabolic androgenic steroid, disturbs prolactin and cAMP signaling in Leydig cells of adult rats. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2015 , 149, 58-69	5.1	9

53	Melatonin replacement restores the circadian behavior in adult rat Leydig cells after pinealectomy. <i>Molecular and Cellular Endocrinology</i> , 2015 , 413, 26-35	4.4	26
52	Intratesticular alpha1-adrenergic receptors mediate stress-disturbed transcription of steroidogenic stimulator NUR77 as well as steroidogenic repressors DAX1 and ARR19 in Leydig cells of adult rats. <i>Molecular and Cellular Endocrinology</i> , 2015 , 412, 309-19	4.4	3
51	Stress triggers mitochondrial biogenesis to preserve steroidogenesis in Leydig cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015 , 1853, 2217-27	4.9	16
50	Molecular adaptations of testosterone-producing Leydig cells during systemic in vivo blockade of the androgen receptor. <i>Molecular and Cellular Endocrinology</i> , 2014 , 396, 10-25	4.4	11
49	Age related changes of cAMP and MAPK signaling in Leydig cells of Wistar rats. <i>Experimental Gerontology</i> , 2014 , 58, 19-29	4.5	28
48	In vivo blockade of α -adrenergic receptors mitigates stress-disturbed cAMP and cGMP signaling in Leydig cells. <i>Molecular Human Reproduction</i> , 2014 , 20, 77-88	4.4	15
47	The opposing roles of nitric oxide and cGMP in the age-associated decline in rat testicular steroidogenesis. <i>Endocrinology</i> , 2013 , 154, 3914-24	4.8	20
46	The opposite roles of glucocorticoid and α -adrenergic receptors in stress triggered apoptosis of rat Leydig cells. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2013 , 304, E51-9	6	18
45	Orally applied doxazosin disturbed testosterone homeostasis and changed the transcriptional profile of steroidogenic machinery, cAMP/cGMP signalling and adrenergic receptors in Leydig cells of adult rats. <i>Andrology</i> , 2013 , 1, 332-47	4.2	15
44	Sustained in vivo blockade of β adrenergic receptors prevented some of stress-triggered effects on steroidogenic machinery in Leydig cells. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2013 , 305, E194-204	6	15
43	Transient rise of serum testosterone level after single sildenafil treatment of adult male rats. <i>Journal of Sexual Medicine</i> , 2012 , 9, 2534-43	1.1	16
42	Repeated immobilization stress disturbed steroidogenic machinery and stimulated the expression of cAMP signaling elements and adrenergic receptors in Leydig cells. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012 , 302, E1239-51	6	29
41	Anabolic-androgenic steroids induce apoptosis and NOS2 (nitric-oxide synthase 2) in adult rat Leydig cells following in vivo exposure. <i>Reproductive Toxicology</i> , 2012 , 34, 686-93	3.4	24
40	Evaluation of biological activity of new hemiesters of 17-hydroxy-16,17-secoestra-1,3,5(10)-triene-16-nitrile. <i>Medicinal Chemistry Research</i> , 2011 , 20, 1102-1110 ²		8
39	Pharmacological doses of testosterone upregulated androgen receptor and 3-Beta-hydroxysteroid dehydrogenase/delta-5-delta-4 isomerase and impaired leydig cells steroidogenesis in adult rats. <i>Toxicological Sciences</i> , 2011 , 121, 397-407	4.4	31
38	Structural complexity of the testis and PKG I / StAR interaction regulate the Leydig cell adaptive response to repeated immobilization stress. <i>Journal of Developmental and Physical Disabilities</i> , 2010 , 33, 717-29		21
37	Testosterone-induced modulation of nitric oxide-cGMP signaling pathway and androgenesis in the rat Leydig cells. <i>Biology of Reproduction</i> , 2010 , 83, 434-42	3.9	47
36	Sildenafil treatment in vivo stimulates Leydig cell steroidogenesis via the cAMP/cGMP signaling pathway. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2010 , 299, E544-50	6	55

35	Multiple roles of Gi/o protein-coupled receptors in control of action potential secretion coupling in pituitary lactotrophs. <i>Annals of the New York Academy of Sciences</i> , 2009 , 1152, 174-86	6.5	12
34	Synthesis of some epoxy and/or N-oxy 17-picolyl and 17-picolinylidene-androst-5-ene derivatives and evaluation of their biological activity. <i>Steroids</i> , 2008 , 73, 129-38	2.8	32
33	Synthesis and biological evaluation of some new A,B-ring modified steroidal D-lactones. <i>Steroids</i> , 2008 , 73, 681-8	2.8	31
32	The adaptive response of adult rat Leydig cells to repeated immobilization stress: the role of protein kinase A and steroidogenic acute regulatory protein. <i>Stress</i> , 2008 , 11, 370-80	3	20
31	Hydroxyurea nitrosylates and activates soluble guanylyl cyclase in human erythroid cells. <i>Blood</i> , 2008 , 111, 1117-23	2.2	77
30	cGMP signaling pathway is involved in Leyding cell stress response. <i>BMC Pharmacology</i> , 2007 , 7,		78
29	Protein kinase G-mediated stimulation of basal Leydig cell steroidogenesis. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007 , 293, E1399-408	6	49
28	Synthesis and biological evaluation of some 17-picolyl and 17-picolinylidene androst-5-ene derivatives. <i>Steroids</i> , 2007 , 72, 31-40	2.8	34
27	Synthesis and Biological Evaluation of 17-[4-(2-Aminoethoxy)phenyl]-16,17-secoestra-1,3,5(10)-triene Derivatives. <i>Collection of Czechoslovak Chemical Communications</i> , 2007 , 72, 403-410		0
26	Involvement of nitric oxide-cGMP signaling in Leyding cell stress response. <i>FASEB Journal</i> , 2007 , 21, A620.9		
25	Protein kinase G-dependent stimulation of Leydig cell steroidogenesis. <i>FASEB Journal</i> , 2007 , 21, A622	0.9	
24	Effect of a PCB-based transformer oil on testicular steroidogenesis and xenobiotic-metabolizing enzymes. <i>Reproductive Toxicology</i> , 2006 , 22, 102-10	3.4	21
23	Dependence of electrical activity and calcium influx-controlled prolactin release on adenylyl cyclase signaling pathway in pituitary lactotrophs. <i>Molecular Endocrinology</i> , 2006 , 20, 2231-46		32
22	Contribution of multidrug resistance protein MRP5 in control of cyclic guanosine 5' monophosphate intracellular signaling in anterior pituitary cells. <i>Endocrinology</i> , 2006 , 147, 3435-45	4.8	43
21	Synthesis, X-ray Crystal Structure and Antiestrogenic Activity of 17-Methyl-16,17-secoestra-1,3,5(10)-triene Derivatives. <i>Collection of Czechoslovak Chemical Communications</i> , 2005 , 70, 63-71		8
20	Synthesis and Estrogenic Activity Screening of Some 6,9-Disubstituted Estradiol Derivatives. <i>Collection of Czechoslovak Chemical Communications</i> , 2005 , 70, 479-486		6
19	Endothelin-induced, long lasting, and Ca ²⁺ influx-independent blockade of intrinsic secretion in pituitary cells by G _z subunits. <i>Journal of Biological Chemistry</i> , 2005 , 280, 26896-903	5.4	16
18	Receptor-controlled phosphorylation of alpha 1 soluble guanylyl cyclase enhances nitric oxide-dependent cyclic guanosine 5' monophosphate production in pituitary cells. <i>Molecular Endocrinology</i> , 2004 , 18, 458-70		25

17	Nitric oxide-scavenging activity of polyhydroxylated fulleranol, C ₆₀ (OH) ₂₄ . <i>Nitric Oxide - Biology and Chemistry</i> , 2004 , 11, 201-7	5	154
16	Nitric oxide inhibits prolactin secretion in pituitary cells downstream of voltage-gated calcium influx. <i>Endocrinology</i> , 2003 , 144, 2912-21	4.8	16
15	Dependence of prolactin release on coupling between Ca(2+) mobilization and voltage-gated Ca(2+) influx pathways in rat lactotrophs. <i>Endocrine</i> , 2003 , 20, 45-52		1
14	Parallelism and dissociation in the actions of an Aroclor 1260-based transformer fluid on testicular androgenesis and antioxidant enzymes. <i>Toxicology</i> , 2003 , 194, 65-75	4.4	14
13	Synthesis, structure, and screening of estrogenic and antiestrogenic activity of new 3,17-substituted-16,17-seco-estratriene derivatives. <i>Bioorganic Chemistry</i> , 2003 , 31, 475-84	5.1	26
12	Synthesis, X-ray crystal structures and biological activity of 16-amino-17-substituted-D-homo steroid derivatives. <i>Steroids</i> , 2003 , 68, 667-76	2.8	28
11	Calcium-independent and cAMP-dependent modulation of soluble guanylyl cyclase activity by G protein-coupled receptors in pituitary cells. <i>Journal of Biological Chemistry</i> , 2002 , 277, 16412-8	5.4	16
10	D-Secoestrone derivatives. VI. 17 beta-Benzyl-17 alpha-hydroxy-3-methoxyestra-1,3,5(10)-trien-16-one. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2002 , 58, o172-3		0
9	Dependence of soluble guanylyl cyclase activity on calcium signaling in pituitary cells. <i>Journal of Biological Chemistry</i> , 2001 , 276, 844-9	5.4	23
8	Spontaneous and receptor-controlled soluble guanylyl cyclase activity in anterior pituitary cells. <i>Molecular Endocrinology</i> , 2001 , 15, 1010-22		51
7	New D-modified androstane derivatives as aromatase inhibitors. <i>Steroids</i> , 2001 , 66, 645-53	2.8	39
6	Inhibition of rat testicular androgenesis by a polychlorinated biphenyl mixture aroclor 1248. <i>Biology of Reproduction</i> , 2000 , 62, 1882-8	3.9	69
5	Synthesis and Biological Activity of New 16,17-Secoestrone Derivatives. <i>Collection of Czechoslovak Chemical Communications</i> , 2000 , 65, 77-82		20
4	Inhibitory effects of stress-activated nitric oxide on antioxidant enzymes and testicular steroidogenesis. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2000 , 75, 299-306	5.1	52
3	Characterization of a plasma membrane calcium oscillator in rat pituitary somatotrophs. <i>Journal of Biological Chemistry</i> , 1999 , 274, 35693-702	5.4	38
2	The involvement of nitric oxide in stress-impaired testicular steroidogenesis. <i>European Journal of Pharmacology</i> , 1998 , 346, 267-73	5.3	41
1	The effect of opioid antagonists in local regulation of testicular response to acute stress in adult rats. <i>Steroids</i> , 1997 , 62, 703-8	2.8	21