

Silvia Socorro

List of Publications by Citations

Source: <https://exaly.com/author-pdf/1524093/silvia-socorro-publications-by-citations.pdf>

Version: 2024-04-18

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

81
papers

2,525
citations

27
h-index

48
g-index

83
ext. papers

2,847
ext. citations

4.3
avg, IF

4.85
L-index

#	Paper	IF	Citations
81	Metabolic regulation is important for spermatogenesis. <i>Nature Reviews Urology</i> , 2012 , 9, 330-8	5.5	233
80	Molecular mechanisms beyond glucose transport in diabetes-related male infertility. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013 , 1832, 626-35	6.9	143
79	Hormonal control of Sertoli cell metabolism regulates spermatogenesis. <i>Cellular and Molecular Life Sciences</i> , 2013 , 70, 777-93	10.3	123
78	Two estrogen receptors expressed in the teleost fish, <i>Sparus aurata</i> : cDNA cloning, characterization and tissue distribution. <i>Journal of Endocrinology</i> , 2000 , 166, 293-306	4.7	112
77	High-energy diets may induce a pre-diabetic state altering testicular glycolytic metabolic profile and male reproductive parameters. <i>Andrology</i> , 2013 , 1, 495-504	4.2	109
76	Pre-diabetes alters testicular PGC1- α /SIRT3 axis modulating mitochondrial bioenergetics and oxidative stress. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014 , 1837, 335-44	4.6	101
75	Diabetes, insulin-mediated glucose metabolism and Sertoli/blood-testis barrier function. <i>Tissue Barriers</i> , 2013 , 1, e23992	4.3	88
74	Effect of insulin deprivation on metabolism and metabolism-associated gene transcript levels of in vitro cultured human Sertoli cells. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2012 , 1820, 84-9	4	83
73	Tubular fluid secretion in the seminiferous epithelium: ion transporters and aquaporins in Sertoli cells. <i>Journal of Membrane Biology</i> , 2010 , 236, 215-24	2.3	76
72	Influence of 5 α -dihydrotestosterone and 17 β -estradiol on human Sertoli cells metabolism. <i>Journal of Developmental and Physical Disabilities</i> , 2011 , 34, e612-20		74
71	Metabolic modulation induced by oestradiol and DHT in immature rat Sertoli cells cultured in vitro. <i>Bioscience Reports</i> , 2012 , 32, 61-9	4.1	72
70	Androgen-responsive and nonresponsive prostate cancer cells present a distinct glycolytic metabolism profile. <i>International Journal of Biochemistry and Cell Biology</i> , 2012 , 44, 2077-84	5.6	62
69	In vitro cultured human Sertoli cells secrete high amounts of acetate that is stimulated by 17 β -estradiol and suppressed by insulin deprivation. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2012 , 1823, 1389-94	4.9	58
68	Metformin and male reproduction: effects on Sertoli cell metabolism. <i>British Journal of Pharmacology</i> , 2014 , 171, 1033-42	8.6	57
67	Use of poly(DL-lactide- ϵ -caprolactone) membranes and mesenchymal stem cells from the Wharton's jelly of the umbilical cord for promoting nerve regeneration in axonotmesis: in vitro and in vivo analysis. <i>Differentiation</i> , 2012 , 84, 355-65	3.5	57
66	Transthyretin is up-regulated by sex hormones in mice liver. <i>Molecular and Cellular Biochemistry</i> , 2008 , 317, 137-42	4.2	49
65	Control of Sertoli cell metabolism by sex steroid hormones is mediated through modulation in glycolysis-related transporters and enzymes. <i>Cell and Tissue Research</i> , 2013 , 354, 861-8	4.2	45

64	Estrogen receptors alpha and beta in human testis: both isoforms are expressed. <i>Systems Biology in Reproductive Medicine</i> , 2009 , 55, 137-44	2.9	45
63	White tea as a promising antioxidant medium additive for sperm storage at room temperature: a comparative study with green tea. <i>Journal of Agricultural and Food Chemistry</i> , 2014 , 62, 608-17	5.7	41
62	Exposure to 2,4-dichlorophenoxyacetic acid alters glucose metabolism in immature rat Sertoli cells. <i>Reproductive Toxicology</i> , 2013 , 38, 81-8	3.4	41
61	Regucalcin is under-expressed in human breast and prostate cancers: Effect of sex steroid hormones. <i>Journal of Cellular Biochemistry</i> , 2009 , 107, 667-76	4.7	41
60	A cDNA for European sea bass (<i>Dicentrarchus labrax</i>) 11beta-hydroxylase: gene expression during the thermosensitive period and gonadogenesis. <i>General and Comparative Endocrinology</i> , 2007 , 150, 164-73	3.3	41
59	Androgens enhance the glycolytic metabolism and lactate export in prostate cancer cells by modulating the expression of GLUT1, GLUT3, PFK, LDH and MCT4 genes. <i>Journal of Cancer Research and Clinical Oncology</i> , 2016 , 142, 5-16	4.9	38
58	Regulation of apoptotic signaling pathways by 5 α -dihydrotestosterone and 17 β -estradiol in immature rat Sertoli cells. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2013 , 135, 15-23	5.1	36
57	The diverse roles of calcium-binding protein regucalcin in cell biology: from tissue expression and signalling to disease. <i>Cellular and Molecular Life Sciences</i> , 2014 , 71, 93-111	10.3	30
56	STEAP1 is over-expressed in breast cancer and down-regulated by 17beta-estradiol in MCF-7 cells and in the rat mammary gland. <i>Endocrine</i> , 2008 , 34, 108-16	4	30
55	Impact of diabetes in blood-testis and blood-brain barriers: resemblances and differences. <i>Current Diabetes Reviews</i> , 2012 , 8, 401-12	2.7	30
54	The stem cell factor (SCF)/c-KIT signalling in testis and prostate cancer. <i>Journal of Cell Communication and Signaling</i> , 2017 , 11, 297-307	5.2	27
53	Regucalcin is broadly expressed in male reproductive tissues and is a new androgen-target gene in mammalian testis. <i>Reproduction</i> , 2011 , 142, 447-56	3.8	26
52	The SCF/c-KIT system in the male: Survival strategies in fertility and cancer. <i>Molecular Reproduction and Development</i> , 2014 , 81, 1064-79	2.6	25
51	Regucalcin, a calcium-binding protein with a role in male reproduction?. <i>Molecular Human Reproduction</i> , 2012 , 18, 161-70	4.4	25
50	Immunohistochemical detection of estrogen receptors in fish scales. <i>General and Comparative Endocrinology</i> , 2009 , 160, 19-29	3	25
49	Estrogenic regulation of testicular expression of stem cell factor and c-kit: implications in germ cell survival and male fertility. <i>Fertility and Sterility</i> , 2014 , 102, 299-306	4.8	24
48	Oestrogens as apoptosis regulators in mammalian testis: angels or devils?. <i>Expert Reviews in Molecular Medicine</i> , 2015 , 17, e2	6.7	21
47	Apoptosis-inhibitor Aven is downregulated in defective spermatogenesis and a novel estrogen target gene in mammalian testis. <i>Fertility and Sterility</i> , 2011 , 96, 745-50	4.8	21

46	Knockdown of STEAP1 inhibits cell growth and induces apoptosis in LNCaP prostate cancer cells counteracting the effect of androgens. <i>Medical Oncology</i> , 2018 , 35, 40	3.7	20
45	Molecular basis of bicarbonate membrane transport in the male reproductive tract. <i>Current Medicinal Chemistry</i> , 2013 , 20, 4037-49	4.3	20
44	Paradoxical and contradictory effects of imatinib in two cell line models of hormone-refractory prostate cancer. <i>Prostate</i> , 2015 , 75, 923-35	4.2	18
43	Regucalcin counteracts tert-butyl hydroperoxide and cadmium-induced oxidative stress in rat testis. <i>Journal of Applied Toxicology</i> , 2017 , 37, 159-166	4.1	17
42	Estrogens down-regulate the stem cell factor (SCF)/c-KIT system in prostate cells: Evidence of antiproliferative and proapoptotic effects. <i>Biochemical Pharmacology</i> , 2016 , 99, 73-87	6	17
41	Expression pattern of G protein-coupled receptor 30 in human seminiferous tubular cells. <i>General and Comparative Endocrinology</i> , 2014 , 201, 16-20	3	17
40	Hormonal regulation of c-KIT receptor and its ligand: implications for human infertility?. <i>Progress in Histochemistry and Cytochemistry</i> , 2014 , 49, 1-19		17
39	Androgen receptor is expressed in murine choroid plexus and downregulated by 5alpha-dihydrotestosterone in male and female mice. <i>Journal of Molecular Neuroscience</i> , 2009 , 38, 41-9	3.3	17
38	Regucalcin is expressed in rat mammary gland and prostate and down-regulated by 17beta-estradiol. <i>Molecular and Cellular Biochemistry</i> , 2008 , 311, 81-6	4.2	17
37	Aging-associated changes in oxidative stress, cell proliferation, and apoptosis are prevented in the prostate of transgenic rats overexpressing regucalcin. <i>Translational Research</i> , 2015 , 166, 693-705	11	14
36	Sperm parameters and epididymis function in transgenic rats overexpressing the Ca ²⁺ -binding protein regucalcin: a hidden role for Ca ²⁺ in sperm maturation?. <i>Molecular Human Reproduction</i> , 2013 , 19, 581-9	4.4	14
35	Glucose Transport and Metabolism in Sertoli Cell: Relevance for Male Fertility. <i>Current Chemical Biology</i> , 2014 , 7, 282-293	0.4	14
34	Effect of extracellular calcium on regucalcin expression and cell viability in neoplastic and non-neoplastic human prostate cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015 , 1853, 2621-8	4.9	13
33	The protective effect of regucalcin against radiation-induced damage in testicular cells. <i>Life Sciences</i> , 2016 , 164, 31-41	6.8	13
32	Effect of prediabetes on membrane bicarbonate transporters in testis and epididymis. <i>Journal of Membrane Biology</i> , 2013 , 246, 877-83	2.3	13
31	Structure, tissue distribution and estrogen regulation of splice variants of the sea bream estrogen receptor β gene. <i>Gene</i> , 2012 , 503, 18-24	3.8	13
30	Transgenic overexpression of regucalcin leads to suppression of thapsigargin- and actinomycin D-induced apoptosis in the testis by modulation of apoptotic pathways. <i>Andrology</i> , 2014 , 2, 290-8	4.2	12
29	Regucalcin is an androgen-target gene in the rat prostate modulating cell-cycle and apoptotic pathways. <i>Prostate</i> , 2014 , 74, 1189-98	4.2	11

28	Six transmembrane epithelial antigen of the prostate 1 is down-regulated by sex hormones in prostate cells. <i>Prostate</i> , 2013 , 73, 605-13	4.2	11
27	5 β Dihydrotestosterone regulates the expression of L-type calcium channels and calcium-binding protein regucalcin in human breast cancer cells with suppression of cell growth. <i>Medical Oncology</i> , 2015 , 32, 228	3.7	10
26	Histopathological and in vivo evidence of regucalcin as a protective molecule in mammary gland carcinogenesis. <i>Experimental Cell Research</i> , 2015 , 330, 325-335	4.2	10
25	The stem cell factor (SCF)/c-KIT system in carcinogenesis of reproductive tissues: What does the hormonal regulation tell us?. <i>Cancer Letters</i> , 2017 , 405, 10-21	9.9	10
24	The peculiarities of cancer cell metabolism: A route to metastasization and a target for therapy. <i>European Journal of Medicinal Chemistry</i> , 2019 , 171, 343-363	6.8	9
23	Novel FGFR1 mutations in Kallmann syndrome and normosmic idiopathic hypogonadotropic hypogonadism: evidence for the involvement of an alternatively spliced isoform. <i>Fertility and Sterility</i> , 2015 , 104, 1261-7.e1	4.8	9
22	Glucose and glutamine handling in the Sertoli cells of transgenic rats overexpressing regucalcin: plasticity towards lactate production. <i>Scientific Reports</i> , 2018 , 8, 10321	4.9	8
21	Identification of androgen receptor variants in testis from humans and other vertebrates. <i>Andrologia</i> , 2013 , 45, 187-94	2.4	8
20	The Emerging Role of Regucalcin as a Tumor Suppressor: Facts and Views. <i>Current Molecular Medicine</i> , 2016 , 16, 607-619	2.5	7
19	Tyrosine kinase inhibitor imatinib modulates the viability and apoptosis of castrate-resistant prostate cancer cells dependently on the glycolytic environment. <i>Life Sciences</i> , 2019 , 218, 274-283	6.8	7
18	Sweet Cherry Extract Targets the Hallmarks of Cancer in Prostate Cells: Diminished Viability, Increased Apoptosis and Suppressed Glycolytic Metabolism. <i>Nutrition and Cancer</i> , 2020 , 72, 917-931	2.8	6
17	Molecular cloning and sequence of gilthead sea bream (<i>Sparus aurata</i>) alpha-skeletal actin: tissue and developmental expression. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2001 , 130, 13-21	2.3	5
16	Sweet Cherries as Anti-Cancer Agents: From Bioactive Compounds to Function. <i>Molecules</i> , 2021 , 26,	4.8	5
15	Glutaminolysis is a metabolic route essential for survival and growth of prostate cancer cells and a target of 5 β Dihydrotestosterone regulation. <i>Cellular Oncology (Dordrecht)</i> , 2021 , 44, 385-403	7.2	4
14	The Role of GPER Signaling in Carcinogenesis: A Focus on Prostate Cancer 2018 , 59-117		3
13	Suppressed glycolytic metabolism in the prostate of transgenic rats overexpressing calcium-binding protein regucalcin underpins reduced cell proliferation. <i>Transgenic Research</i> , 2016 , 25, 139-48	3.3	3
12	Characterization of oligoadenylate synthetase-1 expression in rat mammary gland and prostate: effects of 17 β -estradiol on the regulation of OAS1g in both tissues. <i>Molecular and Cellular Biochemistry</i> , 2008 , 314, 113-21	4.2	3
11	Oligoadenylate synthetase 1 (OAS1) expression in human breast and prostate cancer cases, and its regulation by sex steroid hormones. <i>Advances in Modern Oncology Research</i> , 2016 , 2, 97		3

10	Endogenous Factors in the Recovery of Reproductive Function After Testicular Injury and Cancer. <i>Current Molecular Medicine</i> , 2016 , 16, 631-649	2.5	3
9	The Usefulness of STEAP Proteins in Prostate Cancer Clinical Practice 139-154		3
8	Estrogen Receptors α and β in Human Testis: Both Isoforms are Expressed. <i>Systems Biology in Reproductive Medicine</i> , 2009 , 55, 137-144	2.9	2
7	Revisiting prostate cancer metabolism: From metabolites to disease and therapy. <i>Medicinal Research Reviews</i> , 2021 , 41, 1499-1538	14.4	2
6	Natural Products as Protective Agents for Male Fertility. <i>Biochem</i> , 2021 , 1, 122-147		2
5	Comprehensive Landscape of STEAP Family Members Expression in Human Cancers: Unraveling the Potential Usefulness in Clinical Practice Using Integrated Bioinformatics Analysis. <i>Data</i> , 2022 , 7, 64	2.3	2
4	Overexpression of regucalcin mitigates the ageing-related changes in oxidative stress and sperm quality. <i>Theriogenology</i> , 2020 , 157, 472-482	2.8	1
3	Promoter Demethylation Upregulates Gene Expression in Human Prostate Cancer: In Vitro and In Silico Analysis. <i>Life</i> , 2021 , 11,	3	1
2	Molecular Beacon Assay Development for Severe Acute Respiratory Syndrome Coronavirus 2 Detection. <i>Sensors</i> , 2021 , 21,	3.8	1
1	Effects of the endocrine disruptor vinclozolin in male reproduction: a systematic review and meta-analysis \square <i>Biology of Reproduction</i> , 2021 , 104, 962-975	3.9	1