Silvia Socorro

List of Publications by Year in Descending Order

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	Comprehensive Landscape of STEAP Family Members Expression in Human Cancers: Unraveling the Potential Usefulness in Clinical Practice Using Integrated Bioinformatics Analysis. *Data*, **2022**, 7, 64	2.3	2
80	Promoter Demethylation Upregulates Gene Expression in Human Prostate Cancer: In Vitro and In Silico Analysis. *Life*, **2021**, 11,	3	1
79	Molecular Beacon Assay Development for Severe Acute Respiratory Syndrome Coronavirus 2 Detection. *Sensors*, **2021**, 21,	3.8	1
78	Sweet Cherries as Anti-Cancer Agents: From Bioactive Compounds to Function. *Molecules*, **2021**, 26,	4.8	5
77	Revisiting prostate cancer metabolism: From metabolites to disease and therapy. *Medicinal Research Reviews*, **2021**, 41, 1499-1538	14.4	2
76	Glutaminolysis is a metabolic route essential for survival and growth of prostate cancer cells and a target of 5□dihydrotestosterone regulation. *Cellular Oncology (Dordrecht)*, **2021**, 44, 385-403	7.2	4
75	Effects of the endocrine disruptor vinclozolin in male reproduction: a systematic review and meta-analysis□ *Biology of Reproduction*, **2021**, 104, 962-975	3.9	1
74	Natural Products as Protective Agents for Male Fertility. *Biochem*, **2021**, 1, 122-147		2
73	Overexpression of regucalcin mitigates the ageing-related changes in oxidative stress and sperm quality. *Theriogenology*, **2020**, 157, 472-482	2.8	1
72	Sweet Cherry Extract Targets the Hallmarks of Cancer in Prostate Cells: Diminished Viability, Increased Apoptosis and Suppressed Glycolytic Metabolism. *Nutrition and Cancer*, **2020**, 72, 917-931	2.8	6
71	The peculiarities of cancer cell metabolism: A route to metastasization and a target for therapy. *European Journal of Medicinal Chemistry*, **2019**, 171, 343-363	6.8	9
70	Tyrosine kinase inhibitor imatinib modulates the viability and apoptosis of castrate-resistant prostate cancer cells dependently on the glycolytic environment. *Life Sciences*, **2019**, 218, 274-283	6.8	7
69	The Role of GPER Signaling in Carcinogenesis: A Focus on Prostate Cancer **2018**, 59-117		3
68	Knockdown of STEAP1 inhibits cell growth and induces apoptosis in LNCaP prostate cancer cells counteracting the effect of androgens. *Medical Oncology*, **2018**, 35, 40	3.7	20
67	Glucose and glutamine handling in the Sertoli cells of transgenic rats overexpressing regucalcin: plasticity towards lactate production. *Scientific Reports*, **2018**, 8, 10321	4.9	8
66	Regucalcin counteracts tert-butyl hydroperoxide and cadmium-induced oxidative stress in rat testis. *Journal of Applied Toxicology*, **2017**, 37, 159-166	4.1	17
65	The stem cell factor (SCF)/c-KIT system in carcinogenesis of reproductive tissues: What does the hormonal regulation tell us?. *Cancer Letters*, **2017**, 405, 10-21	9.9	10

64	The stem cell factor (SCF)/c-KIT signalling in testis and prostate cancer. *Journal of Cell Communication and Signaling*, **2017**, 11, 297-307	5.2	27
63	The protective effect of regucalcin against radiation-induced damage in testicular cells. *Life Sciences*, **2016**, 164, 31-41	6.8	13
62	Androgens enhance the glycolytic metabolism and lactate export in prostate cancer cells by modulating the expression of GLUT1, GLUT3, PFK, LDH and MCT4 genes. *Journal of Cancer Research and Clinical Oncology*, **2016**, 142, 5-16	4.9	38
61	Estrogens down-regulate the stem cell factor (SCF)/c-KIT system in prostate cells: Evidence of antiproliferative and proapoptotic effects. *Biochemical Pharmacology*, **2016**, 99, 73-87	6	17
60	Suppressed glycolytic metabolism in the prostate of transgenic rats overexpressing calcium-binding protein regucalcin underpins reduced cell proliferation. *Transgenic Research*, **2016**, 25, 139-48	3.3	3
59	Oligoadenylate synthetase 1 (OAS1) expression in human breast and prostate cancer cases, and its regulation by sex steroid hormones. *Advances in Modern Oncology Research*, **2016**, 2, 97		3
58	The Emerging Role of Regucalcin as a Tumor Suppressor: Facts and Views. *Current Molecular Medicine*, **2016**, 16, 607-619	2.5	7
57	Endogenous Factors in the Recovery of Reproductive Function After Testicular Injury and Cancer. *Current Molecular Medicine*, **2016**, 16, 631-649	2.5	3
56	Effect of extracellular calcium on regucalcin expression and cell viability in neoplastic and non-neoplastic human prostate cells. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2015**, 1853, 2621-8	4.9	13
55	5Ɛ-Dihydrotestosterone regulates the expression of L-type calcium channels and calcium-binding protein regucalcin in human breast cancer cells with suppression of cell growth. *Medical Oncology*, **2015**, 32, 228	3.7	10
54	Oestrogens as apoptosis regulators in mammalian testis: angels or devils?. *Expert Reviews in Molecular Medicine*, **2015**, 17, e2	6.7	21
53	Paradoxical and contradictory effects of imatinib in two cell line models of hormone-refractory prostate cancer. *Prostate*, **2015**, 75, 923-35	4.2	18
52	Novel FGFR1 mutations in Kallmann syndrome and normosmic idiopathic hypogonadotropic hypogonadism: evidence for the involvement of an alternatively spliced isoform. *Fertility and Sterility*, **2015**, 104, 1261-7.e1	4.8	9
51	Aging-associated changes in oxidative stress, cell proliferation, and apoptosis are prevented in the prostate of transgenic rats overexpressing regucalcin. *Translational Research*, **2015**, 166, 693-705	11	14
50	Histopathological and in vivo evidence of regucalcin as a protective molecule in mammary gland carcinogenesis. *Experimental Cell Research*, **2015**, 330, 325-335	4.2	10
49	Metformin and male reproduction: effects on Sertoli cell metabolism. *British Journal of Pharmacology*, **2014**, 171, 1033-42	8.6	57
48	Expression pattern of G protein-coupled receptor 30 in human seminiferous tubular cells. *General and Comparative Endocrinology*, **2014**, 201, 16-20	3	17
47	Estrogenic regulation of testicular expression of stem cell factor and c-kit: implications in germ cell survival and male fertility. *Fertility and Sterility*, **2014**, 102, 299-306	4.8	24

46	Pre-diabetes alters testicular PGC1-α/SIRT3 axis modulating mitochondrial bioenergetics and oxidative stress. *Biochimica Et Biophysica Acta - Bioenergetics*, **2014**, 1837, 335-44	4.6	101
45	The SCF/c-KIT system in the male: Survival strategies in fertility and cancer. *Molecular Reproduction and Development*, **2014**, 81, 1064-79	2.6	25
44	Hormonal regulation of c-KIT receptor and its ligand: implications for human infertility?. *Progress in Histochemistry and Cytochemistry*, **2014**, 49, 1-19		17
43	Regucalcin is an androgen-target gene in the rat prostate modulating cell-cycle and apoptotic pathways. *Prostate*, **2014**, 74, 1189-98	4.2	11
42	Transgenic overexpression of regucalcin leads to suppression of thapsigargin- and actinomycin D-induced apoptosis in the testis by modulation of apoptotic pathways. *Andrology*, **2014**, 2, 290-8	4.2	12
41	White tea as a promising antioxidant medium additive for sperm storage at room temperature: a comparative study with green tea. *Journal of Agricultural and Food Chemistry*, **2014**, 62, 608-17	5.7	41
40	The diverse roles of calcium-binding protein regucalcin in cell biology: from tissue expression and signalling to disease. *Cellular and Molecular Life Sciences*, **2014**, 71, 93-111	10.3	30
39	Glucose Transport and Metabolism in Sertoli Cell: Relevance for Male Fertility. *Current Chemical Biology*, **2014**, 7, 282-293	0.4	14
38	Identification of androgen receptor variants in testis from humans and other vertebrates. *Andrologia*, **2013**, 45, 187-94	2.4	8
37	Control of Sertoli cell metabolism by sex steroid hormones is mediated through modulation in glycolysis-related transporters and enzymes. *Cell and Tissue Research*, **2013**, 354, 861-8	4.2	45
36	Sperm parameters and epididymis function in transgenic rats overexpressing the Ca2+-binding protein regucalcin: a hidden role for Ca2+ in sperm maturation?. *Molecular Human Reproduction*, **2013**, 19, 581-9	4.4	14
35	Effect of prediabetes on membrane bicarbonate transporters in testis and epididymis. *Journal of Membrane Biology*, **2013**, 246, 877-83	2.3	13
34	Molecular mechanisms beyond glucose transport in diabetes-related male infertility. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2013**, 1832, 626-35	6.9	143
33	Regulation of apoptotic signaling pathways by 5α-dihydrotestosterone and 17β-estradiol in immature rat Sertoli cells. *Journal of Steroid Biochemistry and Molecular Biology*, **2013**, 135, 15-23	5.1	36
32	Hormonal control of Sertoli cell metabolism regulates spermatogenesis. *Cellular and Molecular Life Sciences*, **2013**, 70, 777-93	10.3	123
31	High-energy diets may induce a pre-diabetic state altering testicular glycolytic metabolic profile and male reproductive parameters. *Andrology*, **2013**, 1, 495-504	4.2	109
30	Exposure to 2,4-dichlorophenoxyacetic acid alters glucose metabolism in immature rat Sertoli cells. *Reproductive Toxicology*, **2013**, 38, 81-8	3.4	41
29	Six transmembrane epithelial antigen of the prostate 1 is down-regulated by sex hormones in prostate cells. *Prostate*, **2013**, 73, 605-13	4.2	11

28	Diabetes, insulin-mediated glucose metabolism and Sertoli/blood-testis barrier function. *Tissue Barriers*, **2013**, 1, e23992	4.3	88
27	Molecular basis of bicarbonate membrane transport in the male reproductive tract. *Current Medicinal Chemistry*, **2013**, 20, 4037-49	4.3	20
26	In vitro cultured human Sertoli cells secrete high amounts of acetate that is stimulated by 17β-estradiol and suppressed by insulin deprivation. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2012**, 1823, 1389-94	4.9	58
25	Androgen-responsive and nonresponsive prostate cancer cells present a distinct glycolytic metabolism profile. *International Journal of Biochemistry and Cell Biology*, **2012**, 44, 2077-84	5.6	62
24	Regucalcin, a calcium-binding protein with a role in male reproduction?. *Molecular Human Reproduction*, **2012**, 18, 161-70	4.4	25
23	Effect of insulin deprivation on metabolism and metabolism-associated gene transcript levels of in vitro cultured human Sertoli cells. *Biochimica Et Biophysica Acta - General Subjects*, **2012**, 1820, 84-9	4	83
22	Structure, tissue distribution and estrogen regulation of splice variants of the sea bream estrogen receptor β gene. *Gene*, **2012**, 503, 18-24	3.8	13
21	Metabolic regulation is important for spermatogenesis. *Nature Reviews Urology*, **2012**, 9, 330-8	5.5	233
20	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. *Differentiation*, **2012**, 84, 355-65	3.5	57
19	Metabolic modulation induced by oestradiol and DHT in immature rat Sertoli cells cultured in vitro. *Bioscience Reports*, **2012**, 32, 61-9	4.1	72
18	Impact of diabetes in blood-testis and blood-brain barriers: resemblances and differences. *Current Diabetes Reviews*, **2012**, 8, 401-12	2.7	30
17	Apoptosis-inhibitor Aven is downregulated in defective spermatogenesis and a novel estrogen target gene in mammalian testis. *Fertility and Sterility*, **2011**, 96, 745-50	4.8	21
16	Influence of 5α-dihydrotestosterone and 17β-estradiol on human Sertoli cells metabolism. *Journal of Developmental and Physical Disabilities*, **2011**, 34, e612-20		74
15	Regucalcin is broadly expressed in male reproductive tissues and is a new androgen-target gene in mammalian testis. *Reproduction*, **2011**, 142, 447-56	3.8	26
14	Tubular fluid secretion in the seminiferous epithelium: ion transporters and aquaporins in Sertoli cells. *Journal of Membrane Biology*, **2010**, 236, 215-24	2.3	76
13	Estrogen Receptors α and β in Human Testis: Both Isoforms are Expressed. *Systems Biology in Reproductive Medicine*, **2009**, 55, 137-144	2.9	2
12	Immunohistochemical detection of estrogen receptors in fish scales. *General and Comparative Endocrinology*, **2009**, 160, 19-29	3	25
11	Regucalcin is under-expressed in human breast and prostate cancers: Effect of sex steroid hormones. *Journal of Cellular Biochemistry*, **2009**, 107, 667-76	4.7	41

10	Androgen receptor is expressed in murine choroid plexus and downregulated by 5alpha-dihydrotestosterone in male and female mice. *Journal of Molecular Neuroscience*, **2009**, 38, 41-9	3.3	17
9	Estrogen receptors alpha and beta in human testis: both isoforms are expressed. *Systems Biology in Reproductive Medicine*, **2009**, 55, 137-44	2.9	45
8	Regucalcin is expressed in rat mammary gland and prostate and down-regulated by 17beta-estradiol. *Molecular and Cellular Biochemistry*, **2008**, 311, 81-6	4.2	17
7	Characterization of oligoadenylate synthetase-1 expression in rat mammary gland and prostate: effects of 17beta-estradiol on the regulation of OAS1g in both tissues. *Molecular and Cellular Biochemistry*, **2008**, 314, 113-21	4.2	3
6	Transthyretin is up-regulated by sex hormones in mice liver. *Molecular and Cellular Biochemistry*, **2008**, 317, 137-42	4.2	49
5	STEAP1 is over-expressed in breast cancer and down-regulated by 17beta-estradiol in MCF-7 cells and in the rat mammary gland. *Endocrine*, **2008**, 34, 108-16	4	30
4	A cDNA for European sea bass (Dicentrachus labrax) 11beta-hydroxylase: gene expression during the thermosensitive period and gonadogenesis. *General and Comparative Endocrinology*, **2007**, 150, 164-73	2	41
3	Molecular cloning and sequence of gilthead sea bream (Sparus aurata) alpha-skeletal actin: tissue and developmental expression. *Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology*, **2001**, 130, 13-21	2.3	5
2	Two estrogen receptors expressed in the teleost fish, Sparus aurata: cDNA cloning, characterization and tissue distribution. *Journal of Endocrinology*, **2000**, 166, 293-306	4.7	112
1	The Usefulness of STEAP Proteins in Prostate Cancer Clinical Practice139-154		3