Silvia Socorro

List of Publications by Year
in descending order

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81 papers	3,259 citations	182225 30 h-index	175968 55 g-index
83 all docs	83 docs citations	83 times ranked	3963 citing authors

#	Article	IF	Citations
1	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.	1.2	5
2	Revisiting prostate cancer metabolism: From metabolites to disease and therapy. Medicinal Research Reviews, 2021, 41, 1499-1538.	5.0	17
3	Glutaminolysis is a metabolic route essential for survival and growth of prostate cancer cells and a target of 5Î±-dihydrotestosterone regulation. Cellular Oncology (Dordrecht), 2021, 44, 385-403.	2.1	10
4	Effects of the endocrine disruptor vinclozolin in male reproduction: a systematic review and meta-analysisâ€. Biology of Reproduction, 2021, 104, 962-975.	1.2	5
5	Sweet Cherries as Anti-Cancer Agents: From Bioactive Compounds to Function. Molecules, 2021, 26, 2941.	1.7	12
6	Natural Products as Protective Agents for Male Fertility. Biochem, 2021, 1, 122-147.	0.5	9
7	Molecular Beacon Assay Development for Severe Acute Respiratory Syndrome Coronavirus 2 Detection. Sensors, 2021, 21, 7015.	2.1	6
8	Promoter Demethylation Upregulates STEAP1 Gene Expression in Human Prostate Cancer: In Vitro and In Silico Analysis. Life, 2021, 11, 1251.	1.1	5
9	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.	0.9	10
10	Overexpression of regucalcin mitigates the ageing-related changes in oxidative stress and sperm quality. Theriogenology, 2020, 157, 472-482.	0.9	6
11	The peculiarities of cancer cell metabolism: A route to metastasization and a target for therapy. European Journal of Medicinal Chemistry, 2019, 171, 343-363.	2.6	19
12	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.	2.0	7
13	The Role of GPER Signaling in Carcinogenesis: A Focus on Prostate Cancer. , 2018, , 59-117.		3
14	Knockdown of STEAP1 inhibits cell growth and induces apoptosis in LNCaP prostate cancer cells counteracting the effect of androgens. Medical Oncology, 2018, 35, 40.	1.2	35
15	Glucose and glutamine handling in the Sertoli cells of transgenic rats overexpressing regucalcin: plasticity towards lactate production. Scientific Reports, 2018, 8, 10321.	1.6	18
16	Regucalcin counteracts tertâ€butyl hydroperoxide and cadmiumâ€induced oxidative stress in rat testis. Journal of Applied Toxicology, 2017, 37, 159-166.	1.4	20
17	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.	3.2	14
18	The stem cell factor (SCF)/c-KIT signalling in testis and prostate cancer. Journal of Cell Communication and Signaling, 2017, 11, 297-307.	1.8	36

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19	The protective effect of regucalcin against radiation-induced damage in testicular cells. Life Sciences, 2016, 164, 31-41.	2.0	19
20	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.	1.2	50
21	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.	2.0	17
22	Suppressed glycolytic metabolism in the prostate of transgenic rats overexpressing calcium-binding protein regucalcin underpins reduced cell proliferation. Transgenic Research, 2016, 25, 139-148.	1.3	3
23	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.	0.1	5
24	The Emerging Role of Regucalcin as a Tumor Suppressor: Facts and Views. Current Molecular Medicine, 2016, 16, 607-619.	0.6	9
25	Endogenous Factors in the Recovery of Reproductive Function After Testicular Injury and Cancer. Current Molecular Medicine, 2016, 16, 631-649.	0.6	5
26	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, 2621-2628.	1.9	19
27	5Î±-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.	1.2	13
28	Oestrogens as apoptosis regulators in mammalian testis: angels or devils?. Expert Reviews in Molecular Medicine, 2015, 17, e2.	1.6	26
29	Paradoxical and contradictory effects of imatinib in two cell line models of hormone-refractory prostate cancer. Prostate, 2015, 75, 923-935.	1.2	20
30	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, 1261-1267.e1.	0.5	15
31	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.	2.2	17
32	Histopathological and in vivo evidence of regucalcin as a protective molecule in mammary gland carcinogenesis. Experimental Cell Research, 2015, 330, 325-335.	1.2	12
33	Metformin and male reproduction: effects on <scp>S</scp>ertoli cell metabolism. British Journal of Pharmacology, 2014, 171, 1033-1042.	2.7	72
34	Expression pattern of G protein-coupled receptor 30 in human seminiferous tubular cells. General and Comparative Endocrinology, 2014, 201, 16-20.	0.8	21
35	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.	0.5	30
36	Pre-diabetes alters testicular PGC1-Î±/SIRT3 axis modulating mitochondrial bioenergetics and oxidative stress. Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, 335-344.	0.5	122

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37	The SCF/c-KIT system in the male: Survival strategies in fertility and cancer. Molecular Reproduction and Development, 2014, 81, 1064-1079.	1.0	31
38	Hormonal regulation of c-KIT receptor and its ligand: implications for human infertility?. Progress in Histochemistry and Cytochemistry, 2014, 49, 1-19.	5.1	18
39	Regucalcin is an androgen-target gene in the rat prostate modulating cell-cycle and apoptotic pathways. Prostate, 2014, 74, 1189-1198.	1.2	12
40	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, 290-298.	1.9	13
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, 608-617.	2.4	55
42	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.	2.4	37
43	Glucose Transport and Metabolism in Sertoli Cell: Relevance for Male Fertility. Current Chemical Biology, 2014, 7, 282-293.	0.2	20
44	Identification of androgen receptor variants in testis from humans and other vertebrates. Andrologia, 2013, 45, 187-194.	1.0	10
45	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, 861-868.	1.5	52
46	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, 581-589.	1.3	25
47	Effect of Prediabetes on Membrane Bicarbonate Transporters in Testis and Epididymis. Journal of Membrane Biology, 2013, 246, 877-883.	1.0	18
48	Molecular mechanisms beyond glucose transport in diabetes-related male infertility. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2013, 1832, 626-635.	1.8	185
49	Regulation of apoptotic signaling pathways by 5Î±-dihydrotestosterone and 17Î²-estradiol in immature rat Sertoli cells. Journal of Steroid Biochemistry and Molecular Biology, 2013, 135, 15-23.	1.2	41
50	Hormonal control of Sertoli cell metabolism regulates spermatogenesis. Cellular and Molecular Life Sciences, 2013, 70, 777-793.	2.4	161
51	Highâ€energy diets may induce a preâ€diabetic state altering testicular glycolytic metabolic profile and male reproductive parameters. Andrology, 2013, 1, 495-504.	1.9	142
52	Exposure to 2,4-dichlorophenoxyacetic acid alters glucose metabolism in immature rat Sertoli cells. Reproductive Toxicology, 2013, 38, 81-88.	1.3	53
53	Six transmembrane epithelial antigen of the prostate 1 is downâ€regulated by sex hormones in prostate cells. Prostate, 2013, 73, 605-613.	1.2	21
54	Diabetes, insulin-mediated glucose metabolism and Sertoli/blood-testis barrier function. Tissue Barriers, 2013, 1, e23992.	1.6	119

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55	Molecular Basis of Bicarbonate Membrane Transport in the Male Reproductive Tract. Current Medicinal Chemistry, 2013, 20, 4037-4049.	1.2	26
56	Metabolic modulation induced by oestradiol and DHT in immature rat Sertoli cells culturedin vitro. Bioscience Reports, 2012, 32, 61-69.	1.1	91
57	Androgen-responsive and nonresponsive prostate cancer cells present a distinct glycolytic metabolism profile. International Journal of Biochemistry and Cell Biology, 2012, 44, 2077-2084.	1.2	73
58	Regucalcin, a calcium-binding protein with a role in male reproduction?. Molecular Human Reproduction, 2012, 18, 161-170.	1.3	35
59	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, 84-89.	1.1	108
60	Structure, tissue distribution and estrogen regulation of splice variants of the sea bream estrogen receptor Î± gene. Gene, 2012, 503, 18-24.	1.0	14
61	Metabolic regulation is important for spermatogenesis. Nature Reviews Urology, 2012, 9, 330-338.	1.9	329
62	Use of poly(DL-lactide-Îµ-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, 355-365.	1.0	62
63	In vitro cultured human Sertoli cells secrete high amounts of acetate that is stimulated by 17Î²-estradiol and suppressed by insulin deprivation. Biochimica Et Biophysica Acta - Molecular Cell Research, 2012, 1823, 1389-1394.	1.9	63
64	Impact of Diabetes in Blood-Testis and Blood-Brain Barriers: Resemblances and Differences. Current Diabetes Reviews, 2012, 8, 401-412.	0.6	42
65	Apoptosis-inhibitor Aven is downregulated in defective spermatogenesis and a novel estrogen target gene inÂmammalian testis. Fertility and Sterility, 2011, 96, 745-750.	0.5	22
66	Influence of 5Î±-dihydrotestosterone and 17Î²-estradiol on human Sertoli cells metabolism. Journal of Developmental and Physical Disabilities, 2011, 34, e612-e620.	3.6	82
67	Regucalcin is broadly expressed in male reproductive tissues and is a new androgen-target gene in mammalian testis. Reproduction, 2011, 142, 447-456.	1.1	34
68	Tubular Fluid Secretion in the Seminiferous Epithelium: Ion Transporters and Aquaporins in Sertoli Cells. Journal of Membrane Biology, 2010, 236, 215-224.	1.0	100
69	Regucalcin, a calcium-binding protein, is a new target gene in human prostate cancer?. BMC Proceedings, 2010, 4, .	1.8	0
70	Estrogen Receptors Î± and Î² in Human Testis: Both Isoforms are Expressed. Systems Biology in Reproductive Medicine, 2009, 55, 137-144.	1.0	2
71	Immunohistochemical detection of estrogen receptors in fish scales. General and Comparative Endocrinology, 2009, 160, 19-29.	0.8	27
72	Regucalcin is underâ€expressed in human breast and prostate cancers: Effect of sex steroid hormones. Journal of Cellular Biochemistry, 2009, 107, 667-676.	1.2	47

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73	Androgen Receptor is Expressed in Murine Choroid Plexus and Downregulated by 5Î±-Dihydrotestosterone in Male and Female Mice. Journal of Molecular Neuroscience, 2009, 38, 41-49.	1.1	20
74	Estrogen Receptors Î± and Î² in Human Testis: Both Isoforms are Expressed. Systems Biology in Reproductive Medicine, 2009, 55, 137-144.	1.0	56
75	Regucalcin is expressed in rat mammary gland and prostate and down-regulated by 17Î²-estradiol. Molecular and Cellular Biochemistry, 2008, 311, 81-86.	1.4	22
76	Characterization of oligoadenylate synthetase-1 expression in rat mammary gland and prostate: effects of 17Î²-estradiol on the regulation of OAS1g in both tissues. Molecular and Cellular Biochemistry, 2008, 314, 113-121.	1.4	4
77	Transthyretin is up-regulated by sex hormones in mice liver. Molecular and Cellular Biochemistry, 2008, 317, 137-142.	1.4	57
78	STEAP1 is over-expressed in breast cancer and down-regulated by 17Î²-estradiol in MCF-7 cells and in the rat mammary gland. Endocrine, 2008, 34, 108-116.	1.1	36
79	A cDNA for European sea bass (Dicentrachus labrax) 11Î²-hydroxylase: Gene expression during the thermosensitive period and gonadogenesis. General and Comparative Endocrinology, 2007, 150, 164-173.	0.8	49
80	Molecular cloning and sequence of gilthead sea bream (Sparus aurata) Î±-skeletal actin: tissue and developmental expression. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2001, 130, 13-21.	0.7	5
81	Two estrogen receptors expressed in the teleost fish, Sparus aurata: cDNA cloning, characterization and tissue distribution. Journal of Endocrinology, 2000, 166, 293-306.	1.2	119