

Maria Graziella Catalano

List of Publications by Year in descending order

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64
papers

2,771
citations

126907

33
h-index

182427

51
g-index

64
all docs

64
docs citations

64
times ranked

4110
citing authors

#	ARTICLE	IF	CITATIONS
1	Cytotoxicity of anticancer drugs incorporated in solid lipid nanoparticles on HT-29 colorectal cancer cell line. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2004, 58, 673-680.	4.3	152
2	Oxidative Stress Impairs Skeletal Muscle Repair in Diabetic Rats. <i>Diabetes</i> , 2004, 53, 1082-1088.	0.6	151
3	Oxidative Stress Triggers Cardiac Fibrosis in the Heart of Diabetic Rats. <i>Endocrinology</i> , 2008, 149, 380-388.	2.8	151
4	AGEs/RAGE complex upregulates BACE1 via NF- κ B pathway activation. <i>Neurobiology of Aging</i> , 2012, 33, 196.e13-196.e27.	3.1	123
5	Valproic acid, a histone deacetylase inhibitor, enhances sensitivity to doxorubicin in anaplastic thyroid cancer cells. <i>Journal of Endocrinology</i> , 2006, 191, 465-472.	2.6	112
6	Valproic Acid Induces Apoptosis and Cell Cycle Arrest in Poorly Differentiated Thyroid Cancer Cells. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2005, 90, 1383-1389.	3.6	111
7	Oxidative Stress-Dependent Impairment of Cardiac-Specific Transcription Factors in Experimental Diabetes. <i>Endocrinology</i> , 2006, 147, 5967-5974.	2.8	109
8	Valproic Acid Induces the Expression of the Na ⁺ /I ⁻ Symporter and Iodine Uptake in Poorly Differentiated Thyroid Cancer Cells. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2004, 89, 1006-1009.	3.6	91
9	SREBP-1c in nonalcoholic fatty liver disease induced by Western-type high-fat diet plus fructose in rats. <i>Free Radical Biology and Medicine</i> , 2009, 47, 1067-1074.	2.9	91
10	Sex Hormone-Binding Globulin (SHBG), estradiol and breast cancer. <i>Molecular and Cellular Endocrinology</i> , 2010, 316, 86-92.	3.2	84
11	Valproic acid enhances tubulin acetylation and apoptotic activity of paclitaxel on anaplastic thyroid cancer cell lines. <i>Endocrine-Related Cancer</i> , 2007, 14, 839-845.	3.1	75
12	Estrogen receptor- β is expressed in stromal cells of fibroadenoma and phyllodes tumors of the breast. <i>Modern Pathology</i> , 2006, 19, 599-606.	5.5	74
13	The androgen receptor CAG repeat: a modifier of carcinogenesis?. <i>Molecular and Cellular Endocrinology</i> , 2002, 193, 109-120.	3.2	66
14	Steroid Ligands Bind Human Sex Hormone-binding Globulin in Specific Orientations and Produce Distinct Changes in Protein Conformation. <i>Journal of Biological Chemistry</i> , 2002, 277, 32086-32093.	3.4	61
15	Up-Regulation of Advanced Glycated Products Receptors in the Brain of Diabetic Rats Is Prevented by Antioxidant Treatment. <i>Endocrinology</i> , 2005, 146, 5561-5567.	2.8	57
16	Valproic acid is a selective antiproliferative agent in estrogen-sensitive breast cancer cells. <i>Cancer Letters</i> , 2008, 259, 156-164.	7.2	57
17	Extracorporeal shock waves enhance normal fibroblast proliferation in vitro and activate mRNA expression for TGF- β 1 and for collagen types I and III. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2009, 80, 612-617.	3.3	55
18	Sex hormone-binding globulin antagonizes the anti-apoptotic effect of estradiol in breast cancer cells. <i>Molecular and Cellular Endocrinology</i> , 2005, 230, 31-37.	3.2	51

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19	Evidence That Fibulin Family Members Contribute to the Steroid-dependent Extravascular Sequestration of Sex Hormone-binding Globulin. <i>Journal of Biological Chemistry</i> , 2006, 281, 15853-15861.	3.4	48
20	Doxorubicin-Loaded Nanobubbles Combined with Extracorporeal Shock Waves: Basis for a New Drug Delivery Tool in Anaplastic Thyroid Cancer. <i>Thyroid</i> , 2016, 26, 705-716.	4.5	48
21	Cytotoxic activity of the histone deacetylase inhibitor panobinostat (LBH589) in anaplastic thyroid cancer <i>in vitro</i> and <i>in vivo</i> . <i>International Journal of Cancer</i> , 2012, 130, 694-704.	5.1	47
22	Sex hormone-binding globulin, its membrane receptor, and breast cancer: a new approach to the modulation of estradiol action in neoplastic cells. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 1999, 69, 473-479.	2.5	45
23	Dehydroepiandrosterone Administration Counteracts Oxidative Imbalance and Advanced Glycation End Product Formation in Type 2 Diabetic Patients. <i>Diabetes Care</i> , 2007, 30, 2922-2927.	8.6	43
24	Altered expression of androgen-receptor isoforms in human colon-cancer tissues. , 2000, 86, 325-330.		41
25	Histone Deacetylase Inhibition Modulates E-Cadherin Expression and Suppresses Migration and Invasion of Anaplastic Thyroid Cancer Cells. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012, 97, E1150-E1159.	3.6	41
26	Histone Deacetylase Inhibition Affects Sodium Iodide Symporter Expression and Induces ¹³¹ I Cytotoxicity in Anaplastic Thyroid Cancer Cells. <i>Thyroid</i> , 2013, 23, 838-846.	4.5	40
27	Combining doxorubicin-nanobubbles and shockwaves for anaplastic thyroid cancer treatment: preclinical study in a xenograft mouse model. <i>Endocrine-Related Cancer</i> , 2017, 24, 275-286.	3.1	40
28	Pro-oxidant effect of dehydroepiandrosterone in rats is mediated by PPAR activation. <i>Life Sciences</i> , 2003, 73, 289-299.	4.3	39
29	Emerging molecular therapies of advanced thyroid cancer. <i>Molecular Aspects of Medicine</i> , 2010, 31, 215-226.	6.4	38
30	Sex steroid binding protein exerts a negative control on estradiol action in MCF-7 cells (human breast) Tj ETQq0 0 0 rgBT /Overlock 10 T 686-692.	2.8	38
31	Sex Hormone-binding Globulin (SHBG) and Estradiol Cross-talk in Breast Cancer Cells. <i>Hormone and Metabolic Research</i> , 2006, 38, 236-240.	1.5	37
32	Epigenetics Modifications and Therapeutic Prospects in Human Thyroid Cancer. <i>Frontiers in Endocrinology</i> , 2012, 3, 40.	3.5	37
33	The control of progesterone receptor expression in MCF-7 breast cancer cells: effects of estradiol and sex hormone-binding globulin (SHBG). <i>Molecular and Cellular Endocrinology</i> , 2001, 172, 31-36.	3.2	36
34	Estradiol induction of cAMP in breast cancer cells is mediated by foetal calf serum (FCS) and sex hormone-binding globulin (SHBG). <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 1999, 70, 73-80.	2.5	35
35	Valproic acid restores ER α and antiestrogen sensitivity to ER α -negative breast cancer cells. <i>Molecular and Cellular Endocrinology</i> , 2010, 314, 17-22.	3.2	34
36	Extracorporeal shockwaves (ESWs) enhance the osteogenic medium-induced differentiation of adipose-derived stem cells into osteoblast-like cells. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017, 11, 390-399.	2.7	32

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37	FOXA1 and AR in invasive breast cancer: new findings on their co-expression and impact on prognosis in ER-positive patients. <i>BMC Cancer</i> , 2018, 18, 703.	2.6	30
38	Sex steroid binding protein receptor (SBP-R) is related to a reduced proliferation rate in human breast cancer. <i>Breast Cancer Research and Treatment</i> , 1997, 42, 227-234.	2.5	29
39	The pan-histone deacetylase inhibitor LBH589 (panobinostat) alters the invasive breast cancer cell phenotype. <i>International Journal of Oncology</i> , 2014, 44, 700-708.	3.3	25
40	Valproic Acid, a Histone Deacetylase Inhibitor, in Combination with Paclitaxel for Anaplastic Thyroid Cancer: Results of a Multicenter Randomized Controlled Phase II/III Trial. <i>International Journal of Endocrinology</i> , 2016, 2016, 1-8.	1.5	25
41	Somatic alterations of the androgen receptor CAG repeat in human colon cancer delineate a novel mutation pathway independent of microsatellite instability. <i>Cancer Genetics and Cytogenetics</i> , 2000, 123, 35-40.	1.0	24
42	The pan-DAC inhibitor LBH589 is a multi-functional agent in breast cancer cells: cytotoxic drug and inducer of sodium-iodide symporter (NIS). <i>Breast Cancer Research and Treatment</i> , 2010, 124, 667-675.	2.5	23
43	High Energy Shock Waves Activate 5-aminolevulinic Acid and Increase Permeability to Paclitaxel: Antitumor Effects of a New Combined Treatment on Anaplastic Thyroid Cancer Cells. <i>Thyroid</i> , 2007, 17, 91-99.	4.5	21
44	High Energy Shock Waves (HESW) Enhance Paclitaxel Cytotoxicity in MCF-7 Cells. <i>Breast Cancer Research and Treatment</i> , 2003, 81, 11-19.	2.5	20
45	Dysregulation of SREBP2 induces BACE1 expression. <i>Neurobiology of Disease</i> , 2011, 44, 116-124.	4.4	19
46	Effects of environmental pollutants on signaling pathways in rat pituitary GH3 adenoma cells. <i>Environmental Research</i> , 2017, 158, 660-668.	7.5	19
47	O-Glycosylation of human sex hormone-binding globulin is essential for inhibition of estradiol-induced MCF-7 breast cancer cell proliferation. <i>Molecular and Cellular Endocrinology</i> , 2002, 189, 135-143.	3.2	18
48	Extracorporeal shock waves modulate myofibroblast differentiation of adipose-derived stem cells. <i>Wound Repair and Regeneration</i> , 2016, 24, 275-286.	3.0	17
49	Benzene and 2-ethyl-phthalate induce proliferation in normal rat pituitary cells. <i>Pituitary</i> , 2017, 20, 311-318.	2.9	17
50	Sex Steroid-Binding Protein and Its Membrane Receptor in Estrogen-Dependent Breast Cancer: Biological and Pathophysiological Impact. <i>Hormone Research</i> , 1996, 45, 202-206.	1.8	16
51	Extracorporeal shock waves trigger tenogenic differentiation of human adipose-derived stem cells. <i>Connective Tissue Research</i> , 2018, 59, 561-573.	2.3	14
52	Molecular mechanisms of the D327N SHBG protective role on breast cancer development after estrogen exposure. <i>Breast Cancer Research and Treatment</i> , 2009, 114, 449-456.	2.5	12
53	Targeting Taxanes to Castration-Resistant Prostate Cancer Cells by Nanobubbles and Extracorporeal Shock Waves. <i>PLoS ONE</i> , 2016, 11, e0168553.	2.5	10
54	MCF-7 Cell Progesterone Receptor (PGR) Is Additionally Modulated by Sex Steroid Binding Protein (SBP) and Its Membrane Receptor (SBP-R) through cAMP and PKA. <i>Annals of the New York Academy of Sciences</i> , 1996, 784, 453-457.	3.8	7

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55	Combining Drug-Loaded Nanobubbles and Extracorporeal Shock Waves for Difficult-to-Treat Cancers. <i>Current Drug Delivery</i> , 2018, 15, 752-754.	1.6	7
56	Sex Hormone-binding Globulin Selectively Modulates Estradiol-regulated Genes in MCF-7 Cells. <i>Hormone and Metabolic Research</i> , 2007, 39, 288-294.	1.5	6
57	Sex Steroid Binding Protein Is a Negative Modulator of Estrogen-induced Breast Cancer Cell Growth. <i>Annals of the New York Academy of Sciences</i> , 1996, 784, 362-369.	3.8	5
58	Fibulin-1 interacts with Sex Hormone Binding Globulin and is linked to less aggressive estrogen-dependent breast cancers. <i>Life Sciences</i> , 2018, 207, 372-380.	4.3	4
59	Modulating tumor reactive stroma by extracorporeal shock waves to control prostate cancer progression. <i>Prostate</i> , 2020, 80, 1087-1096.	2.3	4
60	Effects of the histone deacetylase inhibitor valproic acid on the sensitivity of anaplastic thyroid cancer cell lines to imatinib. <i>Oncology Reports</i> , 2009, , .	2.6	3
61	Current Applications and Future Prospects of Extracorporeal Shockwave Therapy. <i>Translational Research in Biomedicine</i> , 2018, , 140-157.	0.4	3
62	Benzene affects the response to octreotide treatment of growth hormone secreting pituitary adenoma cells. <i>Environmental Research</i> , 2019, 173, 489-496.	7.5	3
63	Possibile ruolo terapeutico del deidroepiandrosterone (DHEA) nell'insufficienza surrenalica e nell'invecchiamento. <i>L Endocrinologo</i> , 2007, 8, 202-208.	0.0	0
64	Extracorporeal Shock Waves Increase Markers of Cellular Proliferation in Bronchial Epithelium and in Primary Bronchial Fibroblasts of COPD Patients. <i>Canadian Respiratory Journal</i> , 2020, 2020, 1-14.	1.6	0