

Stefania Catalano

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.

119
papers

4,288
citations

41
h-index

61
g-index

124
ext. papers

4,908
ext. citations

5.8
avg. IF

5.19
L-index

#	Paper	IF	Citations
119	Abstract P5-12-07: Proteomic profiling of extracellular vesicles released from leptin-treated breast cancer cells: A potential role in cancer metabolism. <i>Cancer Research</i> , 2022 , 82, P5-12-07-P5-12-07	10.1	
118	Impact of Mediterranean Diet Food Choices and Physical Activity on Serum Metabolic Profile in Healthy Adolescents: Findings from the DIMENU Project.. <i>Nutrients</i> , 2022 , 14,	6.7	2
117	Abstract P4-02-14: Breast cancer cell/adipocyte crosstalk in obesity hampers the efficacy of tamoxifen. <i>Cancer Research</i> , 2022 , 82, P4-02-14-P4-02-14	10.1	
116	LPL, FNDC5 and PPAR α gene polymorphisms related to body composition parameters and lipid metabolic profile in adolescents from Southern Italy.. <i>Journal of Translational Medicine</i> , 2022 , 20, 107	8.5	
115	The Emerging Role of Extracellular Vesicles in Endocrine Resistant Breast Cancer. <i>Cancers</i> , 2021 , 13,	6.6	4
114	Potential Antioxidant and Anti-Inflammatory Properties of Serum from Healthy Adolescents with Optimal Mediterranean Diet Adherence: Findings from DIMENU Cross-Sectional Study. <i>Antioxidants</i> , 2021 , 10,	7.1	8
113	Nutrition Education Program and Physical Activity Improve the Adherence to the Mediterranean Diet: Impact on Inflammatory Biomarker Levels in Healthy Adolescents From the DIMENU Longitudinal Study. <i>Frontiers in Nutrition</i> , 2021 , 8, 685247	6.2	8
112	Nutraceuticals in the Mediterranean Diet: Potential Avenues for Breast Cancer Treatment. <i>Nutrients</i> , 2021 , 13,	6.7	7
111	Obesity and endocrine therapy resistance in breast cancer: Mechanistic insights and perspectives. <i>Obesity Reviews</i> , 2021 , e13358	10.6	0
110	Adipocyte-derived extracellular vesicles promote breast cancer cell malignancy through HIF-1 α activity. <i>Cancer Letters</i> , 2021 , 521, 155-168	9.9	4
109	Natural and Synthetic PPAR α Ligands in Tumor Microenvironment: A New Potential Strategy against Breast Cancer. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	9
108	Leptin and Notch Signaling Cooperate in Sustaining Glioblastoma Multiforme Progression. <i>Biomolecules</i> , 2020 , 10,	5.9	6
107	Acute Kidney Ischemic Injury in a Rat Model Treated by Human Omental Mesenchymal Stem Cells. <i>Transplantation Proceedings</i> , 2020 , 52, 2977-2979	1.1	0
106	Interfering Role of ER α on Adiponectin Action in Breast Cancer. <i>Frontiers in Endocrinology</i> , 2020 , 11, 66	5.7	15
105	Impact of Vigorous-Intensity Physical Activity on Body Composition Parameters, Lipid Profile Markers, and Irisin Levels in Adolescents: A Cross-Sectional Study. <i>Nutrients</i> , 2020 , 12,	6.7	20
104	Novel insights into adiponectin action in breast cancer: Evidence of its mechanistic effects mediated by ER α expression. <i>Obesity Reviews</i> , 2020 , 21, e13004	10.6	7
103	Modulating Tumor-Associated Macrophage Polarization by Synthetic and Natural PPAR α Ligands as a Potential Target in Breast Cancer. <i>Cells</i> , 2020 , 9,	7.9	20

102	Leptin Signaling Contributes to Aromatase Inhibitor Resistant Breast Cancer Cell Growth and Activation of Macrophages. <i>Biomolecules</i> , 2020 , 10,	5.9	11
101	The weight of obesity in breast cancer progression and metastasis: Clinical and molecular perspectives. <i>Seminars in Cancer Biology</i> , 2020 , 60, 274-284	12.7	38
100	Adherence to the Mediterranean diet pattern among university staff: a cross-sectional web-based epidemiological study in Southern Italy. <i>International Journal of Food Sciences and Nutrition</i> , 2020 , 71, 581-592	3.7	12
99	The Biology of Exosomes in Breast Cancer Progression: Dissemination, Immune Evasion and Metastatic Colonization. <i>Cancers</i> , 2020 , 12,	6.6	17
98	Knockdown of Leptin Receptor Affects Macrophage Phenotype in the Tumor Microenvironment Inhibiting Breast Cancer Growth and Progression. <i>Cancers</i> , 2020 , 12,	6.6	9
97	The Role of PPAR Ligands in Breast Cancer: From Basic Research to Clinical Studies. <i>Cancers</i> , 2020 , 12,	6.6	16
96	Evidence for Enhanced Exosome Production in Aromatase Inhibitor-Resistant Breast Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	16
95	-3 Polyunsaturated Fatty Acid Amides: New Avenues in the Prevention and Treatment of Breast Cancer. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	13
94	Endemic Goiter and Iodine Prophylaxis in Calabria, a Region of Southern Italy: Past and Present. <i>Nutrients</i> , 2019 , 11,	6.7	7
93	Structural, Thermodynamic, and Kinetic Traits of Antiestrogen-Compounds Selectively Targeting the Y537S Mutant Estrogen Receptor Transcriptional Activity in Breast Cancer Cell Lines. <i>Frontiers in Chemistry</i> , 2019 , 7, 602	5	4
92	-Eicosapentaenoyl Dopamine, A Conjugate of Dopamine and Eicosapentaenoic Acid (EPA), Exerts Anti-inflammatory Properties in Mouse and Human Macrophages. <i>Nutrients</i> , 2019 , 11,	6.7	6
91	The Emerging Role of Adiponectin in Female Malignancies. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	28
90	Leptin Modulates Exosome Biogenesis in Breast Cancer Cells: An Additional Mechanism in Cell-to-Cell Communication. <i>Journal of Clinical Medicine</i> , 2019 , 8,	5.1	26
89	Phosphodiesterase 5 (PDE5) Is Highly Expressed in Cancer-Associated Fibroblasts and Enhances Breast Tumor Progression. <i>Cancers</i> , 2019 , 11,	6.6	15
88	Nanoparticles Loaded with the BET Inhibitor JQ1 Block the Growth of Triple Negative Breast Cancer Cells In Vitro and In Vivo. <i>Cancers</i> , 2019 , 12,	6.6	11
87	Leptin Receptor as a Potential Target to Inhibit Human Testicular Seminoma Growth. <i>American Journal of Pathology</i> , 2019 , 189, 687-698	5.8	7
86	Obesity, Leptin and Breast Cancer: Epidemiological Evidence and Proposed Mechanisms. <i>Cancers</i> , 2019 , 11,	6.6	103
85	Mutations in the estrogen receptor alpha hormone binding domain promote stem cell phenotype through notch activation in breast cancer cell lines. <i>Cancer Letters</i> , 2018 , 428, 12-20	9.9	40

84	Leptin Modulates Exosome Biogenesis in Breast Cancer Cells: an Additional Mechanism in Cell-to-Cell Communication. <i>FASEB Journal</i> , 2018 , 32, 151.5	0.9	
83	Activation of Farnesoid X Receptor impairs the tumor-promoting function of breast cancer-associated fibroblasts. <i>Cancer Letters</i> , 2018 , 437, 89-99	9.9	16
82	Monitoring the effects of iodine prophylaxis in the adult population of southern Italy with deficient and sufficient iodine intake levels: a cross-sectional, epidemiological study. <i>British Journal of Nutrition</i> , 2017 , 117, 170-175	3.6	7
81	Benzofuran-2-acetic ester derivatives induce apoptosis in breast cancer cells by upregulating p21 gene expression in p53-independent manner. <i>DNA Repair</i> , 2017 , 51, 20-30	4.3	18
80	Phosphodiesterase type 5 and cancers: progress and challenges. <i>Oncotarget</i> , 2017 , 8, 99179-99202	3.3	28
79	Conditional expression of Ki-Ras in the mammary epithelium of transgenic mice induces estrogen receptor alpha (ER α)-positive adenocarcinoma. <i>Oncogene</i> , 2017 , 36, 6420-6431	9.2	11
78	Impact of R264C and R264H polymorphisms in human aromatase function. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2017 , 167, 23-32	5.1	11
77	Effect of sildenafil on human aromatase activity: From in vitro structural analysis to catalysis and inhibition in cells. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2017 , 165, 438-447	5.1	8
76	N-heterocyclic carbene complexes of silver and gold as novel tools against breast cancer progression. <i>Future Medicinal Chemistry</i> , 2016 , 8, 2213-2229	4.1	33
75	Leptin, obesity and breast cancer: progress to understanding the molecular connections. <i>Current Opinion in Pharmacology</i> , 2016 , 31, 83-89	5.1	36
74	A Palladium-Catalyzed Carbonylation Approach to Eight-Membered Lactam Derivatives with Antitumor Activity. <i>Chemistry - A European Journal</i> , 2016 , 22, 3053-64	4.8	25
73	Identification of novel 2-(1H-indol-1-yl)-benzohydrazides CXCR4 ligands impairing breast cancer growth and motility. <i>Future Medicinal Chemistry</i> , 2016 , 8, 93-106	4.1	11
72	Expression and Function of Phosphodiesterase Type 5 in Human Breast Cancer Cell Lines and Tissues: Implications for Targeted Therapy. <i>Clinical Cancer Research</i> , 2016 , 22, 2271-82	12.9	39
71	3-(Dipropylamino)-5-hydroxybenzofuro[2,3-f]quinazolin-1(2H)-one (DPA-HBFQ-1) plays an inhibitory role on breast cancer cell growth and progression. <i>European Journal of Medicinal Chemistry</i> , 2016 , 107, 275-87	6.8	31
70	Glucocorticoid Receptor as a Potential Target to Decrease Aromatase Expression and Inhibit Leydig Tumor Growth. <i>American Journal of Pathology</i> , 2016 , 186, 1328-39	5.8	13
69	Ligand-activated PPAR α downregulates CXCR4 gene expression through a novel identified PPAR response element and inhibits breast cancer progression. <i>Oncotarget</i> , 2016 , 7, 65109-65124	3.3	32
68	Leptin as a mediator of tumor-stromal interactions promotes breast cancer stem cell activity. <i>Oncotarget</i> , 2016 , 7, 1262-75	3.3	58
67	Phosphorylation Processes Controlling Aromatase Activity in Breast Cancer: An Update. <i>Mini-Reviews in Medicinal Chemistry</i> , 2016 , 16, 691-8	3.2	5

66	Omega-3 DHA and EPA Conjugates Trigger Autophagy Through PPAR α Activation in Human Breast Cancer Cells 2016 , 291-305		1
65	Activated FXR Inhibits Leptin Signaling and Counteracts Tumor-promoting Activities of Cancer-Associated Fibroblasts in Breast Malignancy. <i>Scientific Reports</i> , 2016 , 6, 21782	4.9	36
64	Phosphodiesterase Type 5 as a Candidate Therapeutic Target in Cancers. <i>Current Pathobiology Reports</i> , 2015 , 3, 193-201	2	7
63	Androgens inhibit aromatase expression through DAX-1: insights into the molecular link between hormone balance and Leydig cancer development. <i>Endocrinology</i> , 2015 , 156, 1251-62	4.8	14
62	Anti-estrogen Resistance in Human Breast Tumors Is Driven by JAG1-NOTCH4-Dependent Cancer Stem Cell Activity. <i>Cell Reports</i> , 2015 , 12, 1968-77	10.6	129
61	Omega-3 DHA- and EPA-dopamine conjugates induce PPAR α -dependent breast cancer cell death through autophagy and apoptosis. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2015 , 1850, 2185-95	4	45
60	A novel leptin antagonist peptide inhibits breast cancer growth in vitro and in vivo. <i>Journal of Cellular and Molecular Medicine</i> , 2015 , 19, 1122-32	5.6	42
59	Estrogen receptor- α drives adiponectin effects on cyclin D1 expression in breast cancer cells. <i>FASEB Journal</i> , 2015 , 29, 2150-60	0.9	46
58	Therapeutic potential of leptin receptor modulators. <i>European Journal of Medicinal Chemistry</i> , 2014 , 78, 97-105	6.8	14
57	Tamoxifen through GPER upregulates aromatase expression: a novel mechanism sustaining tamoxifen-resistant breast cancer cell growth. <i>Breast Cancer Research and Treatment</i> , 2014 , 146, 273-85	4.4	73
56	Estrogen receptor beta as a novel target of androgen receptor action in breast cancer cell lines. <i>Breast Cancer Research</i> , 2014 , 16, R21	8.3	67
55	T3 enhances thyroid cancer cell proliferation through TR β /Oct-1-mediated cyclin D1 activation. <i>Molecular and Cellular Endocrinology</i> , 2014 , 382, 205-217	4.4	16
54	The Multifaceted Mechanism of Leptin Signaling within Tumor Microenvironment in Driving Breast Cancer Growth and Progression. <i>Frontiers in Oncology</i> , 2014 , 4, 340	5.3	50
53	Evidences that estrogen receptor α interferes with adiponectin effects on breast cancer cell growth. <i>Cell Cycle</i> , 2014 , 13, 553-64	4.7	48
52	Rapid estrogen effects on aromatase phosphorylation in breast cancer cells. <i>Methods in Molecular Biology</i> , 2014 , 1204, 155-63	1.4	1
51	Inhibition of Leydig tumor growth by farnesoid X receptor activation: the in vitro and in vivo basis for a novel therapeutic strategy. <i>International Journal of Cancer</i> , 2013 , 132, 2237-47	7.5	23
50	Mechanisms of divergent effects of activated peroxisome proliferator-activated receptor- γ on mitochondrial citrate carrier expression in 3T3-L1 fibroblasts and mature adipocytes. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2013 , 1831, 1027-36	5	16
49	Omega-3 PUFA ethanolamides DHEA and EPEA induce autophagy through PPAR α activation in MCF-7 breast cancer cells. <i>Journal of Cellular Physiology</i> , 2013 , 228, 1314-22	7	93

48	Leptin increases HER2 protein levels through a STAT3-mediated up-regulation of Hsp90 in breast cancer cells. <i>Molecular Oncology</i> , 2013 , 7, 379-91	7.9	58
47	DAX-1, as an androgen-target gene, inhibits aromatase expression: a novel mechanism blocking estrogen-dependent breast cancer cell proliferation. <i>Cell Death and Disease</i> , 2013 , 4, e724	9.8	41
46	A novel interplay between AR and DAX-1 controls aromatase expression in estrogen-dependent cancers. <i>FASEB Journal</i> , 2013 , 27, 471.6	0.9	
45	The pMAPK/pAMPK ratio modulates the effect of adiponectin on breast cancer cell growth. <i>FASEB Journal</i> , 2013 , 27, 1088.3	0.9	
44	Nandrolone and stanozolol induce Leydig cell tumor proliferation through an estrogen-dependent mechanism involving IGF-I system. <i>Journal of Cellular Physiology</i> , 2012 , 227, 2079-88	7	19
43	Estrogens and PTP1B function in a novel pathway to regulate aromatase enzymatic activity in breast cancer cells. <i>Endocrinology</i> , 2012 , 153, 5157-66	4.8	39
42	Chenodeoxycholic acid through a TGR5-dependent CREB signaling activation enhances cyclin D1 expression and promotes human endometrial cancer cell proliferation. <i>Cell Cycle</i> , 2012 , 11, 2699-710	4.7	54
41	Identification of bioactive constituents of Ziziphus jujube fruit extracts exerting antiproliferative and apoptotic effects in human breast cancer cells. <i>Journal of Ethnopharmacology</i> , 2012 , 140, 325-32	5	109
40	Estrogen receptor beta (ER β) produces autophagy and necroptosis in human seminoma cell line through the binding of the Sp1 on the phosphatase and tensin homolog deleted from chromosome 10 (PTEN) promoter gene. <i>Cell Cycle</i> , 2012 , 11, 2911-21	4.7	52
39	Nandrolone and stanozolol upregulate aromatase expression and further increase IGF-I-dependent effects on MCF-7 breast cancer cell proliferation. <i>Molecular and Cellular Endocrinology</i> , 2012 , 363, 100-104	4.4	21
38	Oldenlandia diffusa extracts exert antiproliferative and apoptotic effects on human breast cancer cells through ER β /Sp1-mediated p53 activation. <i>Journal of Cellular Physiology</i> , 2012 , 227, 3363-72	7	56
37	Estrogen receptor beta binds Sp1 and recruits a corepressor complex to the estrogen receptor alpha gene promoter. <i>Breast Cancer Research and Treatment</i> , 2012 , 134, 569-81	4.4	38
36	Leptin mediates tumor-stromal interactions that promote the invasive growth of breast cancer cells. <i>Cancer Research</i> , 2012 , 72, 1416-27	10.1	94
35	Estrogen Receptor-Positive Breast Cancer Cells Drive CAFs to Secrete Leptin and Support Tumor Invasiveness. <i>FASEB Journal</i> , 2012 , 26, 142.7	0.9	
34	Modulatory role of Peroxisome Proliferator-Activated Receptor β on Citrate Carrier activity and expression. <i>FASEB Journal</i> , 2012 , 26, 1034.9	0.9	
33	Leptin Increases HER2 Stability through HSP90 in Breast Cancer Cells. <i>FASEB Journal</i> , 2012 , 26, 834.3	0.9	
32	The multifactorial role of leptin in driving the breast cancer microenvironment. <i>Nature Reviews Endocrinology</i> , 2011 , 8, 263-75	15.2	124
31	In vivo and in vitro evidence that PPAR γ ligands are antagonists of leptin signaling in breast cancer. <i>American Journal of Pathology</i> , 2011 , 179, 1030-40	5.8	41

30	Farnesoid X receptor inhibits tamoxifen-resistant MCF-7 breast cancer cell growth through downregulation of HER2 expression. <i>Oncogene</i> , 2011 , 30, 4129-40	9.2	54
29	Bid as a potential target of apoptotic effects exerted by low doses of PPAR γ and RXR ligands in breast cancer cells. <i>Cell Cycle</i> , 2011 , 10, 2344-54	4.7	29
28	Akt2 inhibition enables the forkhead transcription factor FoxO3a to have a repressive role in estrogen receptor alpha transcriptional activity in breast cancer cells. <i>Molecular and Cellular Biology</i> , 2010 , 30, 857-70	4.8	37
27	Farnesoid X receptor, through the binding with steroidogenic factor 1-responsive element, inhibits aromatase expression in tumor Leydig cells. <i>Journal of Biological Chemistry</i> , 2010 , 285, 5581-93	5.4	45
26	Inhibition of cyclin D1 expression by androgen receptor in breast cancer cells--identification of a novel androgen response element. <i>Nucleic Acids Research</i> , 2010 , 38, 5351-65	20.1	66
25	17 β -estradiol enhances α 5 integrin subunit gene expression through ER α /Sp1 interaction and reduces cell motility and invasion of ER α -positive breast cancer cells. <i>Breast Cancer Research and Treatment</i> , 2010 , 124, 63-77	4.4	24
24	Inhibition of cyclin D1 expression by androgen receptor in breast cancer cells: identification of a novel androgen response element. <i>FASEB Journal</i> , 2010 , 24, 566.3	0.9	
23	Rapid estradiol/ER α signaling enhances aromatase enzymatic activity in breast cancer cells. <i>Molecular Endocrinology</i> , 2009 , 23, 1634-45		69
22	Evidence that leptin through STAT and CREB signaling enhances cyclin D1 expression and promotes human endometrial cancer proliferation. <i>Journal of Cellular Physiology</i> , 2009 , 218, 490-500	7	90
21	Peroxisome proliferator-activated receptor gamma activates fas ligand gene promoter inducing apoptosis in human breast cancer cells. <i>Breast Cancer Research and Treatment</i> , 2009 , 113, 423-34	4.4	54
20	Beneficial effects of iodized salt prophylaxis on thyroid volume in an iodine deficient area of southern Italy. <i>Clinical Endocrinology</i> , 2009 , 71, 124-9	3.4	16
19	Combined low doses of PPAR γ and RXR ligands trigger an intrinsic apoptotic pathway in human breast cancer cells. <i>American Journal of Pathology</i> , 2009 , 175, 1270-80	5.8	58
18	Evidence that Farnesoid X Receptor ligand through SF-1 responsive element inhibits aromatase expression in Leydig tumor cells.. <i>FASEB Journal</i> , 2009 , 23, 438.12	0.9	
17	Farnesoid X Receptor ligand down-regulates aromatase expression in Leydig tumor cells.. <i>FASEB Journal</i> , 2008 , 22, 599-599	0.9	
16	Fas ligand expression in TM4 Sertoli cells is enhanced by estradiol "in situ" production. <i>Journal of Cellular Physiology</i> , 2007 , 211, 448-56	7	17
15	Evidences that leptin up-regulates E-cadherin expression in breast cancer: effects on tumor growth and progression. <i>Cancer Research</i> , 2007 , 67, 3412-21	10.1	93
14	Human sperm express a functional androgen receptor: effects on PI3K/AKT pathway. <i>Human Reproduction</i> , 2007 , 22, 2594-605	5.7	75
13	Peroxisome proliferator-activated receptor (PPAR) γ is expressed by human spermatozoa: its potential role on the sperm physiology. <i>Journal of Cellular Physiology</i> , 2006 , 209, 977-86	7	54

12	Peroxisome proliferator-activated receptor-gamma activates p53 gene promoter binding to the nuclear factor-kappaB sequence in human MCF7 breast cancer cells. <i>Molecular Endocrinology</i> , 2006 , 20, 3083-92		79
11	Leptin secretion by human ejaculated spermatozoa. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2005 , 90, 4753-61	5.6	99
10	Autocrine regulation of insulin secretion in human ejaculated spermatozoa. <i>Endocrinology</i> , 2005 , 146, 552-7	4.8	89
9	Estrogen receptor alpha binds to peroxisome proliferator-activated receptor response element and negatively interferes with peroxisome proliferator-activated receptor gamma signaling in breast cancer cells. <i>Clinical Cancer Research</i> , 2005 , 11, 6139-47	12.9	117
8	Estrogen receptor (ER)alpha and ER beta are both expressed in human ejaculated spermatozoa: evidence of their direct interaction with phosphatidylinositol-3-OH kinase/Akt pathway. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2004 , 89, 1443-51	5.6	153
7	Low calcium intake is associated with decreased adrenal androgens and reduced bone age in premenarcheal girls in the last pubertal stages. <i>Journal of Bone and Mineral Metabolism</i> , 2004 , 22, 64-70	2.9	13
6	Leptin induces, via ERK1/ERK2 signal, functional activation of estrogen receptor alpha in MCF-7 cells. <i>Journal of Biological Chemistry</i> , 2004 , 279, 19908-15	5.4	193
5	Towards a physiological role for cytochrome P450 aromatase in ejaculated human sperm. <i>Human Reproduction</i> , 2003 , 18, 1650-9	5.7	51
4	Leptin enhances, via AP-1, expression of aromatase in the MCF-7 cell line. <i>Journal of Biological Chemistry</i> , 2003 , 278, 28668-76	5.4	210
3	Triiodothyronine decreases the activity of the proximal promoter (P1) of the aromatase gene in the mouse Sertoli cell line, TM4. <i>Molecular Endocrinology</i> , 2003 , 17, 923-34		46
2	Oxidative stress in diabetes-induced endothelial dysfunction involvement of nitric oxide and protein kinase C. <i>Free Radical Biology and Medicine</i> , 2003 , 35, 683-94	7.8	69
1	Aromatase messenger RNA is derived from the proximal promoter of the aromatase gene in Leydig, Sertoli, and germ cells of the rat testis. <i>Biology of Reproduction</i> , 2001 , 64, 1439-43	3.9	45