Gabriella Castoria

List of Publications by Year
in descending order

91 papers	7,170 citations	87888 38 h-index	56724 83 g-index
132 all docs	132 docs citations	132 times ranked	6586 citing authors

#	Article	IF	Citations
1	ROS in cancer therapy: the bright side of the moon. Experimental and Molecular Medicine, 2020, 52, 192-203.	7.7	1,260
2	Tyrosine kinase/p21ras/MAP-kinase pathway activation by estradiol-receptor complex in MCF-7 cells.. EMBO Journal, 1996, 15, 1292-1300.	7.8	845
3	Steroid-induced androgen receptor-oestradiol receptor beta-Src complex triggers prostate cancer cell proliferation. EMBO Journal, 2000, 19, 5406-5417.	7.8	606
4	Activation of the Src/p21ras/Erk pathway by progesterone receptor via cross-talk with estrogen receptor. EMBO Journal, 1998, 17, 2008-2018.	7.8	556
5	PI3-kinase in concert with Src promotes the S-phase entry of oestradiol-stimulated MCF-7 cells. EMBO Journal, 2001, 20, 6050-6059.	7.8	413
6	Non-transcriptional action of oestradiol and progestin triggers DNA synthesis. EMBO Journal, 1999, 18, 2500-2510.	7.8	245
7	Steroid Receptor Regulation of Epidermal Growth Factor Signaling through Src in Breast and Prostate Cancer Cells: Steroid Antagonist Action. Cancer Research, 2005, 65, 10585-10593.	0.9	170
8	Androgen-stimulated DNA synthesis and cytoskeletal changes in fibroblasts by a nontranscriptional receptor action. Journal of Cell Biology, 2003, 161, 547-556.	5.2	128
9	Estrogens and Their Receptors in Prostate Cancer: Therapeutic Implications. Frontiers in Oncology, 2018, 8, 2.	2.8	99
10	Sex steroid hormones act as growth factors. Journal of Steroid Biochemistry and Molecular Biology, 2002, 83, 31-35.	2.5	96
11	Growth factor-like activity of gliadin, an alimentary protein: implications for coeliac disease. Gut, 2007, 56, 480-488.	12.1	96
12	Recent advances on bisphenol-A and endocrine disruptor effects on human prostate cancer. Molecular and Cellular Endocrinology, 2017, 457, 35-42.	3.2	96
13	Inhibition of the SH3 domain-mediated binding of Src to the androgen receptor and its effect on tumor growth. Oncogene, 2007, 26, 6619-6629.	5.9	94
14	Prostate cancer stem cells: the role of androgen and estrogen receptors. Oncotarget, 2016, 7, 193-208.	1.8	91
15	Androgen-Induced Cell Migration: Role of Androgen Receptor/Filamin A Association. PLoS ONE, 2011, 6, e17218.	2.5	89
16	Properties of a purified estradiol-dependent calf uterus tyrosine kinase. Biochemistry, 1993, 32, 1740-1750.	2.5	86
17	Inhibition of Estradiol Receptor/Src Association and Cell Growth by an Estradiol Receptor Î± Tyrosine-Phosphorylated Peptide. Molecular Cancer Research, 2007, 5, 1213-1221.	3.4	86
18	Androgens Induce Invasiveness of Triple Negative Breast Cancer Cells Through AR/Src/PI3-K Complex Assembly. Scientific Reports, 2019, 9, 4490.	3.3	79

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19	Crosstalk between EGFR and Extranuclear Steroid Receptors. Annals of the New York Academy of Sciences, 2006, 1089, 194-200.	3.8	76
20	ATP-dependent enzyme activating hormone binding of estradiol receptor. Biochemical and Biophysical Research Communications, 1981, 101, 1171-1178.	2.1	75
21	Hormone-dependent nuclear export of estradiol receptor and DNA synthesis in breast cancer cells. Journal of Cell Biology, 2008, 182, 327-340.	5.2	74
22	Rapid signalling pathway activation by androgens in epithelial and stromal cells. Steroids, 2004, 69, 517-522.	1.8	66
23	Direct evidence of in vitro phosphorylation-dephosphorylation of the estradiol-17Î² receptor. role of Ca2+-Calmodulin in the activation of hormone binding sites. The Journal of Steroid Biochemistry, 1984, 20, 31-35.	1.1	65
24	Role of Atypical Protein Kinase C in Estradiol-Triggered G 1 /S Progression of MCF-7 Cells. Molecular and Cellular Biology, 2004, 24, 7643-7653.	2.3	63
25	Tyrosine phosphorylation of estradiol receptor by Src regulates its hormone-dependent nuclear export and cell cycle progression in breast cancer cells. Oncogene, 2012, 31, 4868-4877.	5.9	61
26	Src Is an Initial Target of Sex Steroid Hormone Action. Annals of the New York Academy of Sciences, 2002, 963, 185-190.	3.8	59
27	Evidence that invivo estradiol receptor translocated into nuclei is dephosphorylated and released into cytoplasm. Biochemical and Biophysical Research Communications, 1982, 106, 149-157.	2.1	53
28	In VitroInteraction of Estradiol Receptor with Ca2+-Calmodulin. Molecular Endocrinology, 1988, 2, 167-174.	3.7	53
29	A New Avenue toward Androgen Receptor Pan-antagonists: C2 Sterically Hindered Substitution of Hydroxy-propanamides. Journal of Medicinal Chemistry, 2014, 57, 7263-7279.	6.4	53
30	Bisphenol A induces cell cycle arrest in primary and prostate cancer cells through EGFR/ERK/p53 signaling pathway activation. Oncotarget, 2017, 8, 115620-115631.	1.8	52
31	Nerve Growth Factor Induces Proliferation and Aggressiveness in Prostate Cancer Cells. Cancers, 2019, 11, 784.	3.7	47
32	Role of non-genomic androgen signalling in suppressing proliferation of fibroblasts and fibrosarcoma cells. Cell Death and Disease, 2014, 5, e1548-e1548.	6.3	45
33	Estrogen Receptors in Epithelial-Mesenchymal Transition of Prostate Cancer. Cancers, 2019, 11, 1418.	3.7	45
34	Integrating signals between cAMP and MAPK pathways in breast cancer. Frontiers in Bioscience - Landmark, 2008, 13, 1318.	3.0	44
35	The androgen receptor/filamin A complex as a target in prostate cancer microenvironment. Cell Death and Disease, 2021, 12, 127.	6.3	42
36	Sex-steroid hormones and EGF signalling in breast and prostate cancer cells: Targeting the association of Src with steroid receptors. Steroids, 2008, 73, 880-884.	1.8	41

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37	Role of Cyclic AMP Response Elementâ€"Binding Protein in Insulin-like Growth Factor-I Receptor Up-regulation by Sex Steroids in Prostate Cancer Cells. Cancer Research, 2009, 69, 7270-7277.	0.9	41
38	Extranuclear partners of androgen receptor: at the crossroads of proliferation, migration, and neuritogenesis. FASEB Journal, 2017, 31, 1289-1300.	0.5	40
39	Dephosphorylation of oestradiol nuclear receptor in vitro. A hypothesis on the mechanism of action of non-steroidal anti-oestrogens. Biochemical Journal, 1981, 198, 699-702.	3.7	38
40	Differentiation of H9c2 cardiomyoblasts: The role of adenylate cyclase system. Journal of Cellular Physiology, 2004, 198, 408-416.	4.1	38
41	Src-dependent signalling pathway regulation by sex-steroid hormones: Therapeutic implications. International Journal of Biochemistry and Cell Biology, 2007, 39, 1343-1348.	2.8	38
42	In vitro phosphorylation and hormone binding activation of the synthetic wild type human estradiol receptor. Journal of Steroid Biochemistry and Molecular Biology, 1991, 38, 407-413.	2.5	37
43	Cross-talk between androgen receptor/filamin A and TrkA regulates neurite outgrowth in PC12 cells. Molecular Biology of the Cell, 2015, 26, 2858-2872.	2.1	37
44	Cross-talk between androgen receptor and nerve growth factor receptor in prostate cancer cells: implications for a new therapeutic approach. Cell Death Discovery, 2018, 4, 5.	4.7	37
45	Cross talk between epidermal growth factor (EGF) receptor and extra nuclear steroid receptors in cell lines. Molecular and Cellular Endocrinology, 2010, 327, 19-24.	3.2	30
46	Analysis of Androgen Receptor Rapid Actions in Cellular Signaling Pathways: Receptor/Src Association. Methods in Molecular Biology, 2011, 776, 361-370.	0.9	30
47	Non-Genomic Androgen Action Regulates Proliferative/Migratory Signaling in Stromal Cells. Frontiers in Endocrinology, 2014, 5, 225.	3.5	30
48	Targeting rapid action of sex steroid receptors in breast and prostate cancers. Frontiers in Bioscience - Landmark, 2011, 16, 2224.	3.0	29
49	Androgen Receptor Targeted Conjugate for Bimodal Photodynamic Therapy of Prostate Cancer in Vitro. Bioconjugate Chemistry, 2015, 26, 1662-1671.	3.6	29
50	Breast cancer stem cells: the role of sex steroid receptors. World Journal of Stem Cells, 2019, 11, 594-603.	2.8	29
51	Cell proliferation regulated by estradiol receptor: Therapeutic implications. Steroids, 2010, 75, 524-527.	1.8	28
52	Biochemical and Pathophysiological Premises to Positron Emission Tomography With Choline Radiotracers. Journal of Cellular Physiology, 2017, 232, 270-275.	4.1	28
53	Estrogens Modulate Somatostatin Receptors Expression and Synergize With the Somatostatin Analog Pasireotide in Prostate Cells. Frontiers in Pharmacology, 2019, 10, 28.	3.5	28
54	Protein Tyrosine Phosphorylation and Estradiol Action. Annals of the New York Academy of Sciences, 1996, 784, 149-172.	3.8	24

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55	Activation-inactivation of hormone binding sites of the oestradiol-17Î² receptor is a multiregulated process. The Journal of Steroid Biochemistry, 1986, 24, 39-43.	1.1	23
56	Therapeutic potential of TRPM8 antagonists in prostate cancer. Scientific Reports, 2021, 11, 23232.	3.3	22
57	Targeting Androgen Receptor/Src Complex Impairs the Aggressive Phenotype of Human Fibrosarcoma Cells. PLoS ONE, 2013, 8, e76899.	2.5	21
58	Targeting rapid action of sex-steroid receptors in breast and prostate cancers. Frontiers in Bioscience - Elite, 2012, E4, 453-461.	1.8	21
59	Steroid signaling activation and intracellular localization of sex steroid receptors. Journal of Cell Communication and Signaling, 2010, 4, 161-172.	3.4	20
60	Nuclear receptor-induced transcription is driven by spatially and timely restricted waves of ROS. Nucleus, 2014, 5, 482-491.	2.2	20
61	Targeting the Nerve Growth Factor Signaling Impairs the Proliferative and Migratory Phenotype of Triple-Negative Breast Cancer Cells. Frontiers in Cell and Developmental Biology, 2021, 9, 676568.	3.7	20
62	Effect of Small Molecules Modulating Androgen Receptor (SARMs) in Human Prostate Cancer Models. PLoS ONE, 2013, 8, e62657.	2.5	20
63	Phosphorylation and estradiol binding of estrogen receptor in hormone-dependent and hormone-independent GR mouse mammary tumors. International Journal of Cancer, 1992, 51, 733-739.	5.1	19
64	Phosphorylation on tyrosine of oestradiol-17Î² receptor in uterus and interaction of oestradiol-17Î² and glucocorticoid receptors with antiphosphotyrosine antibodies. The Journal of Steroid Biochemistry, 1987, 27, 245-253.	1.1	16
65	Phosphorylation of H3 serine 10 by IKKÎ± governs cyclical production of ROS in estrogen-induced transcription and ensures DNA wholeness. Cell Death and Differentiation, 2014, 21, 1503-1503.	11.2	16
66	Enzymatic and Biological Characterization of Novel Sirtuin Modulators against Cancer. International Journal of Molecular Sciences, 2019, 20, 5654.	4.1	16
67	Communication between cells: exosomes as a delivery system in prostate cancer. Cell Communication and Signaling, 2021, 19, 110.	6.5	16
68	Polyproline and Tat transduction peptides in the study of the rapid actions of steroid receptors. Steroids, 2012, 77, 974-978.	1.8	15
69	[54] Calmodulin-stimulated estradiol receptor-tyrosine kinase I. Methods in Enzymology, 1987, 139, 731-744.	1.0	14
70	Targeting rapid action of sex-steroid receptors in breast and prostate cancers. Frontiers in Bioscience - Elite, 2012, E4, 453.	1.8	14
71	Signaling-dependent nuclear export of estradiol receptor controls cell cycle progression in breast cancer cells. Molecular and Cellular Endocrinology, 2009, 308, 26-31.	3.2	13
72	Prolonged exposure to (R)-bicalutamide generates a LNCaP subclone with alteration of mitochondrial genome. Molecular and Cellular Endocrinology, 2014, 382, 314-324.	3.2	13

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73	Epidermal growth factor induces protein tyrosine phosphorylation and association of p190 with ras-GTP-ase activating protein in Caco-2 cells. FEBS Letters, 1994, 353, 16-20.	2.8	12
74	A 67 kDa non-hormone binding estradiol receptor is present in human mammary cancers. , 1996, 65, 574-583.		11
75	High-Throughput Screening Identifies Kinase Inhibitors That Increase Dual Adeno-Associated Viral Vector TransductionIn Vitroand in Mouse Retina. Human Gene Therapy, 2018, 29, 886-901.	2.7	11
76	Nonsteroidal Androgen Receptor Ligands: Versatile Syntheses and Biological Data. ACS Medicinal Chemistry Letters, 2012, 3, 454-458.	2.8	9
77	A Small Peptide Targeting the Ligand-Induced Androgen Receptor/Filamin a Interaction Inhibits the Invasive Phenotype of Prostate Cancer Cells. Cells, 2022, 11, 14.	4.1	8
78	New TRPM8 blockers exert anticancer activity over castration-resistant prostate cancer models. European Journal of Medicinal Chemistry, 2022, 238, 114435.	5.5	8
79	ERÎ² in Triple-Negative Breast Cancer: Emerging Concepts and Therapeutic Possibilities. Endocrines, 2021, 2, 356-365.	1.0	7
80	Editorial: The Androgen Receptor in Breast Cancer. Frontiers in Endocrinology, 2020, 11, 636480.	3.5	6
81	New Insights and Emerging Therapeutic Approaches in Prostate Cancer. Frontiers in Endocrinology, 2022, 13, 840787.	3.5	6
82	Analysis of the Androgen Receptor/Filamin A Complex in Stromal Cells. Methods in Molecular Biology, 2014, 1204, 109-121.	0.9	5
83	Phosphorylation of Estradiol Receptor on Tyrosine and Interaction of Estradiol and Glucocorticoid Receptors with Antiphosphotyrosine Antibodies. , 1988, 231, 519-540.		5
84	Searching for a Putative Mechanism of RIZ2 Tumor-Promoting Function in Cancer Models. Frontiers in Oncology, 2020, 10, 583533.	2.8	4
85	Acetylation/methylation at lysine 9 in histone H3 as a mark of nucleosome asymmetry in human somatic breast cells. Cell Death Discovery, 2020, 6, 39.	4.7	3
86	PHOSPHORYLATION ON TYROSINE OF THE 173-ESTRADIOL RECEPTOR. , 1985, , 279-298.		2
87	Non-genomic Action of Steroid Hormones: More Questions than Answers. , 2012, , 1-15.		2
88	Steroid Receptors. Methods in Molecular Biology, 2014, 1204, v.	0.9	2
89	Non-Genomic Action of Sex Steroid Hormones. , 2010, , 365-379.		1
90	Exploiting the mechanism of estrogen-induced transcription to fight breast cancer. Experimental and Molecular Medicine, 2021, 53, 1205-1206.	7.7	1

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91	Interactions of Estrogen Receptors with Signal Cascade Molecules. , 2003, , 77-83.		1