

# Gabriella Castoria

## List of Publications by Year in descending order

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91  
papers

7,170  
citations

87843

38  
h-index

56687

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. <i>Experimental and Molecular Medicine</i> , 2020, 52, 192-203.	3.2	1,260
2	Tyrosine kinase/p21ras/MAP-kinase pathway activation by estradiol-receptor complex in MCF-7 cells.. <i>EMBO Journal</i> , 1996, 15, 1292-1300.	3.5	845
3	Steroid-induced androgen receptor-oestradiol receptor beta-Src complex triggers prostate cancer cell proliferation. <i>EMBO Journal</i> , 2000, 19, 5406-5417.	3.5	606
4	Activation of the Src/p21ras/Erk pathway by progesterone receptor via cross-talk with estrogen receptor. <i>EMBO Journal</i> , 1998, 17, 2008-2018.	3.5	556
5	PI3-kinase in concert with Src promotes the S-phase entry of oestradiol-stimulated MCF-7 cells. <i>EMBO Journal</i> , 2001, 20, 6050-6059.	3.5	413
6	Non-transcriptional action of oestradiol and progestin triggers DNA synthesis. <i>EMBO Journal</i> , 1999, 18, 2500-2510.	3.5	245
7	Steroid Receptor Regulation of Epidermal Growth Factor Signaling through Src in Breast and Prostate Cancer Cells: Steroid Antagonist Action. <i>Cancer Research</i> , 2005, 65, 10585-10593.	0.4	170
8	Androgen-stimulated DNA synthesis and cytoskeletal changes in fibroblasts by a nontranscriptional receptor action. <i>Journal of Cell Biology</i> , 2003, 161, 547-556.	2.3	128
9	Estrogens and Their Receptors in Prostate Cancer: Therapeutic Implications. <i>Frontiers in Oncology</i> , 2018, 8, 2.	1.3	99
10	Sex steroid hormones act as growth factors. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2002, 83, 31-35.	1.2	96
11	Growth factor-like activity of gliadin, an alimentary protein: implications for coeliac disease. <i>Gut</i> , 2007, 56, 480-488.	6.1	96
12	Recent advances on bisphenol-A and endocrine disruptor effects on human prostate cancer. <i>Molecular and Cellular Endocrinology</i> , 2017, 457, 35-42.	1.6	96
13	Inhibition of the SH3 domain-mediated binding of Src to the androgen receptor and its effect on tumor growth. <i>Oncogene</i> , 2007, 26, 6619-6629.	2.6	94
14	Prostate cancer stem cells: the role of androgen and estrogen receptors. <i>Oncotarget</i> , 2016, 7, 193-208.	0.8	91
15	Androgen-Induced Cell Migration: Role of Androgen Receptor/Filamin A Association. <i>PLoS ONE</i> , 2011, 6, e17218.	1.1	89
16	Properties of a purified estradiol-dependent calf uterus tyrosine kinase. <i>Biochemistry</i> , 1993, 32, 1740-1750.	1.2	86
17	Inhibition of Estradiol Receptor/Src Association and Cell Growth by an Estradiol Receptor $\hat{\pm}$ Tyrosine-Phosphorylated Peptide. <i>Molecular Cancer Research</i> , 2007, 5, 1213-1221.	1.5	86
18	Androgens Induce Invasiveness of Triple Negative Breast Cancer Cells Through AR/Src/PI3-K Complex Assembly. <i>Scientific Reports</i> , 2019, 9, 4490.	1.6	79

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19	Crosstalk between EGFR and Extranuclear Steroid Receptors. <i>Annals of the New York Academy of Sciences</i> , 2006, 1089, 194-200.	1.8	76
20	ATP-dependent enzyme activating hormone binding of estradiol receptor. <i>Biochemical and Biophysical Research Communications</i> , 1981, 101, 1171-1178.	1.0	75
21	Hormone-dependent nuclear export of estradiol receptor and DNA synthesis in breast cancer cells. <i>Journal of Cell Biology</i> , 2008, 182, 327-340.	2.3	74
22	Rapid signalling pathway activation by androgens in epithelial and stromal cells. <i>Steroids</i> , 2004, 69, 517-522.	0.8	66
23	Direct evidence of in vitro phosphorylation-dephosphorylation of the estradiol-17 $\beta$ receptor. role of Ca <sup>2+</sup> -Calmodulin in the activation of hormone binding sites. <i>The Journal of Steroid Biochemistry</i> , 1984, 20, 31-35.	1.3	65
24	Role of Atypical Protein Kinase C in Estradiol-Triggered G <sub>1</sub> /S Progression of MCF-7 Cells. <i>Molecular and Cellular Biology</i> , 2004, 24, 7643-7653.	1.1	63
25	Tyrosine phosphorylation of estradiol receptor by Src regulates its hormone-dependent nuclear export and cell cycle progression in breast cancer cells. <i>Oncogene</i> , 2012, 31, 4868-4877.	2.6	61
26	<i>Src</i> Is an Initial Target of Sex Steroid Hormone Action. <i>Annals of the New York Academy of Sciences</i> , 2002, 963, 185-190.	1.8	59
27	Evidence that in vivo estradiol receptor translocated into nuclei is dephosphorylated and released into cytoplasm. <i>Biochemical and Biophysical Research Communications</i> , 1982, 106, 149-157.	1.0	53
28	In Vitro Interaction of Estradiol Receptor with Ca <sup>2+</sup> -Calmodulin. <i>Molecular Endocrinology</i> , 1988, 2, 167-174.	3.7	53
29	A New Avenue toward Androgen Receptor Pan-antagonists: C2 Sterically Hindered Substitution of Hydroxy-propanamides. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 7263-7279.	2.9	53
30	Bisphenol A induces cell cycle arrest in primary and prostate cancer cells through EGFR/ERK/p53 signaling pathway activation. <i>Oncotarget</i> , 2017, 8, 115620-115631.	0.8	52
31	Nerve Growth Factor Induces Proliferation and Aggressiveness in Prostate Cancer Cells. <i>Cancers</i> , 2019, 11, 784.	1.7	47
32	Role of non-genomic androgen signalling in suppressing proliferation of fibroblasts and fibrosarcoma cells. <i>Cell Death and Disease</i> , 2014, 5, e1548-e1548.	2.7	45
33	Estrogen Receptors in Epithelial-Mesenchymal Transition of Prostate Cancer. <i>Cancers</i> , 2019, 11, 1418.	1.7	45
34	Integrating signals between cAMP and MAPK pathways in breast cancer. <i>Frontiers in Bioscience - Landmark</i> , 2008, 13, 1318.	3.0	44
35	The androgen receptor/filamin A complex as a target in prostate cancer microenvironment. <i>Cell Death and Disease</i> , 2021, 12, 127.	2.7	42
36	Sex-steroid hormones and EGF signalling in breast and prostate cancer cells: Targeting the association of Src with steroid receptors. <i>Steroids</i> , 2008, 73, 880-884.	0.8	41

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37	Role of Cyclic AMP Response Element-Binding Protein in Insulin-like Growth Factor-I Receptor Up-regulation by Sex Steroids in Prostate Cancer Cells. <i>Cancer Research</i> , 2009, 69, 7270-7277.	0.4	41
38	Extranuclear partners of androgen receptor: at the crossroads of proliferation, migration, and neuritogenesis. <i>FASEB Journal</i> , 2017, 31, 1289-1300.	0.2	40
39	Dephosphorylation of oestradiol nuclear receptor <i>in vitro</i> . A hypothesis on the mechanism of action of non-steroidal anti-oestrogens. <i>Biochemical Journal</i> , 1981, 198, 699-702.	1.7	38
40	Differentiation of H9c2 cardiomyoblasts: The role of adenylate cyclase system. <i>Journal of Cellular Physiology</i> , 2004, 198, 408-416.	2.0	38
41	Src-dependent signalling pathway regulation by sex-steroid hormones: Therapeutic implications. <i>International Journal of Biochemistry and Cell Biology</i> , 2007, 39, 1343-1348.	1.2	38
42	In vitro phosphorylation and hormone binding activation of the synthetic wild type human estradiol receptor. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 1991, 38, 407-413.	1.2	37
43	Cross-talk between androgen receptor/filamin A and TrkA regulates neurite outgrowth in PC12 cells. <i>Molecular Biology of the Cell</i> , 2015, 26, 2858-2872.	0.9	37
44	Cross-talk between androgen receptor and nerve growth factor receptor in prostate cancer cells: implications for a new therapeutic approach. <i>Cell Death Discovery</i> , 2018, 4, 5.	2.0	37
45	Cross talk between epidermal growth factor (EGF) receptor and extra nuclear steroid receptors in cell lines. <i>Molecular and Cellular Endocrinology</i> , 2010, 327, 19-24.	1.6	30
46	Analysis of Androgen Receptor Rapid Actions in Cellular Signaling Pathways: Receptor/Src Association. <i>Methods in Molecular Biology</i> , 2011, 776, 361-370.	0.4	30
47	Non-Genomic Androgen Action Regulates Proliferative/Migratory Signaling in Stromal Cells. <i>Frontiers in Endocrinology</i> , 2014, 5, 225.	1.5	30
48	Targeting rapid action of sex steroid receptors in breast and prostate cancers. <i>Frontiers in Bioscience - Landmark</i> , 2011, 16, 2224.	3.0	29
49	Androgen Receptor Targeted Conjugate for Bimodal Photodynamic Therapy of Prostate Cancer in Vitro. <i>Bioconjugate Chemistry</i> , 2015, 26, 1662-1671.	1.8	29
50	Breast cancer stem cells: the role of sex steroid receptors. <i>World Journal of Stem Cells</i> , 2019, 11, 594-603.	1.3	29
51	Cell proliferation regulated by estradiol receptor: Therapeutic implications. <i>Steroids</i> , 2010, 75, 524-527.	0.8	28
52	Biochemical and Pathophysiological Premises to Positron Emission Tomography With Choline Radiotracers. <i>Journal of Cellular Physiology</i> , 2017, 232, 270-275.	2.0	28
53	Estrogens Modulate Somatostatin Receptors Expression and Synergize With the Somatostatin Analog Pasireotide in Prostate Cells. <i>Frontiers in Pharmacology</i> , 2019, 10, 28.	1.6	28
54	Protein Tyrosine Phosphorylation and Estradiol Action. <i>Annals of the New York Academy of Sciences</i> , 1996, 784, 149-172.	1.8	24

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55	Activation-inactivation of hormone binding sites of the oestradiol-17 $\beta$ receptor is a multiregulated process. <i>The Journal of Steroid Biochemistry</i> , 1986, 24, 39-43.	1.3	23
56	Therapeutic potential of TRPM8 antagonists in prostate cancer. <i>Scientific Reports</i> , 2021, 11, 23232.	1.6	22
57	Targeting Androgen Receptor/Src Complex Impairs the Aggressive Phenotype of Human Fibrosarcoma Cells. <i>PLoS ONE</i> , 2013, 8, e76899.	1.1	21
58	Targeting rapid action of sex-steroid receptors in breast and prostate cancers. <i>Frontiers in Bioscience - Elite</i> , 2012, E4, 453-461.	0.9	21
59	Steroid signaling activation and intracellular localization of sex steroid receptors. <i>Journal of Cell Communication and Signaling</i> , 2010, 4, 161-172.	1.8	20
60	Nuclear receptor-induced transcription is driven by spatially and timely restricted waves of ROS. <i>Nucleus</i> , 2014, 5, 482-491.	0.6	20
61	Targeting the Nerve Growth Factor Signaling Impairs the Proliferative and Migratory Phenotype of Triple-Negative Breast Cancer Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 676568.	1.8	20
62	Effect of Small Molecules Modulating Androgen Receptor (SARMs) in Human Prostate Cancer Models. <i>PLoS ONE</i> , 2013, 8, e62657.	1.1	20
63	Phosphorylation and estradiol binding of estrogen receptor in hormone-dependent and hormone-independent GR mouse mammary tumors. <i>International Journal of Cancer</i> , 1992, 51, 733-739.	2.3	19
64	Phosphorylation on tyrosine of oestradiol-17 $\beta$ receptor in uterus and interaction of oestradiol-17 $\beta$ and glucocorticoid receptors with antiphosphotyrosine antibodies. <i>The Journal of Steroid Biochemistry</i> , 1987, 27, 245-253.	1.3	16
65	Phosphorylation of H3 serine 10 by IKK $\beta$ governs cyclical production of ROS in estrogen-induced transcription and ensures DNA wholeness. <i>Cell Death and Differentiation</i> , 2014, 21, 1503-1503.	5.0	16
66	Enzymatic and Biological Characterization of Novel Sirtuin Modulators against Cancer. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5654.	1.8	16
67	Communication between cells: exosomes as a delivery system in prostate cancer. <i>Cell Communication and Signaling</i> , 2021, 19, 110.	2.7	16
68	Polyproline and Tat transduction peptides in the study of the rapid actions of steroid receptors. <i>Steroids</i> , 2012, 77, 974-978.	0.8	15
69	[54] Calmodulin-stimulated estradiol receptor-tyrosine kinase I. <i>Methods in Enzymology</i> , 1987, 139, 731-744.	0.4	14
70	Targeting rapid action of sex-steroid receptors in breast and prostate cancers. <i>Frontiers in Bioscience - Elite</i> , 2012, E4, 453.	0.9	14
71	Signaling-dependent nuclear export of estradiol receptor controls cell cycle progression in breast cancer cells. <i>Molecular and Cellular Endocrinology</i> , 2009, 308, 26-31.	1.6	13
72	Prolonged exposure to (R)-bicalutamide generates a LNCaP subclone with alteration of mitochondrial genome. <i>Molecular and Cellular Endocrinology</i> , 2014, 382, 314-324.	1.6	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. <i>FEBS Letters</i> , 1994, 353, 16-20.	1.3	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 Transduction In Vitro and in Mouse Retina. <i>Human Gene Therapy</i> , 2018, 29, 886-901.	1.4	11
76	Nonsteroidal Androgen Receptor Ligands: Versatile Syntheses and Biological Data. <i>ACS Medicinal Chemistry Letters</i> , 2012, 3, 454-458.	1.3	9
77	A Small Peptide Targeting the Ligand-Induced Androgen Receptor/Filamin a Interaction Inhibits the Invasive Phenotype of Prostate Cancer Cells. <i>Cells</i> , 2022, 11, 14.	1.8	8
78	New TRPM8 blockers exert anticancer activity over castration-resistant prostate cancer models. <i>European Journal of Medicinal Chemistry</i> , 2022, 238, 114435.	2.6	8
79	ER $\beta$ in Triple-Negative Breast Cancer: Emerging Concepts and Therapeutic Possibilities. <i>Endocrines</i> , 2021, 2, 356-365.	0.4	7
80	Editorial: The Androgen Receptor in Breast Cancer. <i>Frontiers in Endocrinology</i> , 2020, 11, 636480.	1.5	6
81	New Insights and Emerging Therapeutic Approaches in Prostate Cancer. <i>Frontiers in Endocrinology</i> , 2022, 13, 840787.	1.5	6
82	Analysis of the Androgen Receptor/Filamin A Complex in Stromal Cells. <i>Methods in Molecular Biology</i> , 2014, 1204, 109-121.	0.4	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. <i>Frontiers in Oncology</i> , 2020, 10, 583533.	1.3	4
85	Acetylation/methylation at lysine 9 in histone H3 as a mark of nucleosome asymmetry in human somatic breast cells. <i>Cell Death Discovery</i> , 2020, 6, 39.	2.0	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. <i>Methods in Molecular Biology</i> , 2014, 1204, v.	0.4	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. <i>Experimental and Molecular Medicine</i> , 2021, 53, 1205-1206.	3.2	1

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