

Livio Casarini

List of Publications by Year in descending order

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74
papers

2,265
citations

257450

24
h-index

233421

45
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77
all docs

77
docs citations

77
times ranked

1812
citing authors

#	ARTICLE	IF	CITATIONS
1	LH and hCG Action on the Same Receptor Results in Quantitatively and Qualitatively Different Intracellular Signalling. <i>PLoS ONE</i> , 2012, 7, e46682.	2.5	229
2	Molecular Mechanisms of Action of FSH. <i>Frontiers in Endocrinology</i> , 2019, 10, 305.	3.5	165
3	Two Hormones for One Receptor: Evolution, Biochemistry, Actions, and Pathophysiology of LH and hCG. <i>Endocrine Reviews</i> , 2018, 39, 549-592.	20.1	118
4	MECHANISMS IN ENDOCRINOLOGY: Genetics of FSH action: a 2014-and-beyond view. <i>European Journal of Endocrinology</i> , 2014, 170, R91-R107.	3.7	113
5	FSHR polymorphism p.N680S mediates different responses to FSH in vitro. <i>Molecular and Cellular Endocrinology</i> , 2014, 393, 83-91.	3.2	99
6	Human Luteinizing Hormone and Chorionic Gonadotropin Display Biased Agonism at the LH and LH/CG Receptors. <i>Scientific Reports</i> , 2017, 7, 940.	3.3	91
7	Stress and immune response in the mussel <i>Mytilus galloprovincialis</i> . <i>Fish and Shellfish Immunology</i> , 2007, 23, 171-177.	3.6	90
8	Human LH and hCG stimulate differently the early signalling pathways but result in equal testosterone synthesis in mouse Leydig cells in vitro. <i>Reproductive Biology and Endocrinology</i> , 2017, 15, 2.	3.3	77
9	Efficacy of Follicle-Stimulating Hormone (FSH) Alone, FSH+Luteinizing Hormone, Human Menopausal Gonadotropin or FSH+Human Chorionic Gonadotropin on Assisted Reproductive Technology Outcomes in the "Personalized" Medicine Era: A Meta-analysis. <i>Frontiers in Endocrinology</i> , 2017, 8, 114.	3.5	76
10	Effects of the FSH receptor gene polymorphism p.N680S on cAMP and steroid production in cultured primary human granulosa cells. <i>Reproductive BioMedicine Online</i> , 2011, 23, 196-203.	2.4	70
11	Follicle-stimulating hormone potentiates the steroidogenic activity of chorionic gonadotropin and the anti-apoptotic activity of luteinizing hormone in human granulosa-lutein cells in vitro. <i>Molecular and Cellular Endocrinology</i> , 2016, 422, 103-114.	3.2	70
12	Estrogen Modulates Specific Life and Death Signals Induced by LH and hCG in Human Primary Granulosa Cells In Vitro. <i>International Journal of Molecular Sciences</i> , 2017, 18, 926.	4.1	70
13	β -arrestins regulate gonadotropin receptor-mediated cell proliferation and apoptosis by controlling different FSHR or LHCGR intracellular signaling in the hGL5 cell line. <i>Molecular and Cellular Endocrinology</i> , 2016, 437, 11-21.	3.2	63
14	Follicle-Stimulating Hormone (FSH) Action on Spermatogenesis: A Focus on Physiological and Therapeutic Roles. <i>Journal of Clinical Medicine</i> , 2020, 9, 1014.	2.4	61
15	Polymorphisms in gonadotropin and gonadotropin receptor genes as markers of ovarian reserve and response in in vitro fertilization. <i>Fertility and Sterility</i> , 2013, 99, 970-978.e1.	1.0	56
16	The Polycystic Ovary Syndrome Evolutionary Paradox: a Genome-Wide Association Studies-Based, in silico, Evolutionary Explanation. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014, 99, E2412-E2420.	3.6	52
17	Effects of polymorphisms in gonadotropin and gonadotropin receptor genes on reproductive function. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2011, 12, 303-321.	5.7	47
18	FSHR TM Luteinizing Hormone Receptors: Facts and Fiction. <i>Trends in Endocrinology and Metabolism</i> , 2018, 29, 208-217.	7.1	44

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19	Impact of gene polymorphisms of gonadotropins and their receptors on human reproductive success. <i>Reproduction</i> , 2015, 150, R175-R184.	2.6	43
20	Effects of the marine toxins okadaic acid and palytoxin on mussel phagocytosis. <i>Fish and Shellfish Immunology</i> , 2008, 24, 180-186.	3.6	40
21	FSH for the Treatment of Male Infertility. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2270.	4.1	38
22	Prospects for FSH Treatment of Male Infertility. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020, 105, 2105-2118.	3.6	30
23	Genetics of gonadotropins and their receptors as markers of ovarian reserve and response in controlled ovarian stimulation. <i>Best Practice and Research in Clinical Obstetrics and Gynaecology</i> , 2017, 44, 15-25.	2.8	29
24	Membrane Estrogen Receptor (GPER) and Follicle-Stimulating Hormone Receptor (FSHR) Heteromeric Complexes Promote Human Ovarian Follicle Survival. <i>IScience</i> , 2020, 23, 101812.	4.1	29
25	The cAMP/PKA pathway: steroidogenesis of the antral follicular stage. <i>Minerva Ginecologica</i> , 2018, 70, 516-524.	0.8	25
26	Heterogeneous hCG and hMG commercial preparations result in different intracellular signalling but induce a similar long-term progesterone response in vitro. <i>Molecular Human Reproduction</i> , 2017, 23, 685-697.	2.8	24
27	Recent advances in understanding gonadotropin signaling. <i>Faculty Reviews</i> , 2021, 10, 41.	3.9	23
28	Is polycystic ovary syndrome a sexual conflict? A review. <i>Reproductive BioMedicine Online</i> , 2016, 32, 350-361.	2.4	22
29	Pharmacogenetics of G-protein-coupled receptors variants: FSH receptor and infertility treatment. <i>Best Practice and Research in Clinical Endocrinology and Metabolism</i> , 2018, 32, 189-200.	4.7	22
30	Algal toxin yessotoxin signalling pathways involve immunocyte mussel calcium channels. <i>Cell Biology International</i> , 2006, 30, 721-726.	3.0	20
31	Glycosylation Pattern and in vitro Bioactivity of Reference Follitropin alfa and Biosimilars. <i>Frontiers in Endocrinology</i> , 2019, 10, 503.	3.5	19
32	Evaluation of the effects of the marine toxin okadaic acid by using FETAX assay. <i>Toxicology Letters</i> , 2007, 169, 145-151.	0.8	18
33	Toxicological effects of marine palytoxin evaluated by FETAX assay. <i>Chemosphere</i> , 2008, 73, 267-271.	8.2	16
34	Probing the Effect of Sildenafil on Progesterone and Testosterone Production by an Intracellular FRET/BRET Combined Approach. <i>Biochemistry</i> , 2019, 58, 799-808.	2.5	16
35	Central hypogonadism due to a giant, silent FSH-secreting, atypical pituitary adenoma: effects of adenoma dissection and short-term Leydig cell stimulation by luteinizing hormone (LH) and human chorionic gonadotropin (hCG). <i>Aging Male</i> , 2017, 20, 96-101.	1.9	15
36	Î2-arrestin 2 Is a Prognostic Factor for Survival of Ovarian Cancer Patients Upregulating Cell Proliferation. <i>Frontiers in Endocrinology</i> , 2020, 11, 554733.	3.5	15

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37	Expression of the genes siamois, engrailed-2, bmp4 and myf5 during <i>Xenopus</i> development in presence of the marine toxins okadaic acid and palytoxin. <i>Chemosphere</i> , 2009, 77, 308-312.	8.2	13
38	Are pre-miR-146a and PTTG1 associated with papillary thyroid cancer?. <i>Endocrine Connections</i> , 2013, 2, 178-185.	1.9	13
39	Molecular basis of androgen action on human sexual desire. <i>Molecular and Cellular Endocrinology</i> , 2018, 467, 31-41.	3.2	13
40	Inferring biallelism of two FSH receptor mutations associated with spontaneous ovarian hyperstimulation syndrome by evaluating FSH, LH and HCG cross-activity. <i>Reproductive BioMedicine Online</i> , 2019, 38, 816-824.	2.4	11
41	Sphingosine-1 phosphate induces cAMP/PKA-independent phosphorylation of the cAMP response element-binding protein (CREB) in granulosa cells. <i>Molecular and Cellular Endocrinology</i> , 2021, 520, 111082.	3.2	11
42	The TRHR Gene Is Associated with Hypothalamo-Pituitary Sensitivity to Levothyroxine. <i>European Thyroid Journal</i> , 2014, 3, 101-108.	2.4	10
43	Altered methylation pattern of the SRD5A2 gene in the cerebrospinal fluid of post-finasteride patients: a pilot study. <i>Endocrine Connections</i> , 2019, 8, 1118-1125.	1.9	10
44	Anti-GD2 CAR MSCs against metastatic Ewing's sarcoma. <i>Translational Oncology</i> , 2022, 15, 101240.	3.7	10
45	Phosphodiesterase (PDE) 5 inhibitors sildenafil, tadalafil and vardenafil impact cAMP-specific PDE8 isoforms-linked second messengers and steroid production in a mouse Leydig tumor cell line. <i>Molecular and Cellular Endocrinology</i> , 2022, 542, 111527.	3.2	10
46	GnRH Antagonists Produce Differential Modulation of the Signaling Pathways Mediated by GnRH Receptors. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5548.	4.1	9
47	Two human menopausal gonadotrophin (hMG) preparations display different early signaling <i>in vitro</i> . <i>Molecular Human Reproduction</i> , 2020, 26, 894-905.	2.8	9
48	Real-life use of BRAF-V600E mutation analysis in thyroid nodule fine needle aspiration: consequences on clinical decision-making. <i>Endocrine</i> , 2021, 73, 625-632.	2.3	9
49	Identification of a Potent and Selective 5-HT _{1A} Receptor Agonist with <i>In Vitro</i> and <i>In Vivo</i> Antinociceptive Activity. <i>ACS Chemical Neuroscience</i> , 2020, 11, 4111-4127.	3.5	8
50	Multilevel approach to male fertility by machine learning highlights a hidden link between haematological and spermatogenetic cells. <i>Andrology</i> , 2020, 8, 1021-1029.	3.5	8
51	Pharmacological Characterization of Low Molecular Weight Biased Agonists at the Follicle Stimulating Hormone Receptor. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9850.	4.1	7
52	Identification of Key Receptor Residues Discriminating Human Chorionic Gonadotropin (hCG)- and Luteinizing Hormone (LH)-Specific Signaling. <i>International Journal of Molecular Sciences</i> , 2021, 22, 151.	4.1	7
53	Regulation of antral follicular growth by an interplay between gonadotropins and their receptors. <i>Journal of Assisted Reproduction and Genetics</i> , 2022, 39, 893-904.	2.5	7
54	Response: Commentary: Efficacy of Follicle-Stimulating Hormone (FSH) Alone, FSH+Luteinizing Hormone, Human Menopausal Gonadotropin or FSH+Human Chorionic Gonadotropin on Assisted Reproductive Technology Outcomes in the "Personalized" Medicine Era: A Meta-analysis. <i>Frontiers in Endocrinology</i> , 2018, 9, 113.	3.5	6

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55	Editorial: Follicle-Stimulating Hormone: Fertility and Beyond. <i>Frontiers in Endocrinology</i> , 2019, 10, 610.	3.5	6
56	Gene Polymorphisms in Female Reproduction. <i>Methods in Molecular Biology</i> , 2014, 1154, 75-90.	0.9	6
57	Gonadotropin Receptors. <i>Endocrinology</i> , 2017, , 123-168.	0.1	5
58	Abacavir, nevirapine, and ritonavir modulate intracellular calcium levels without affecting GHRH-mediated growth hormone secretion in somatotrophic cells in vitro. <i>Molecular and Cellular Endocrinology</i> , 2019, 482, 37-44.	3.2	5
59	Seasonal reproduction and gonadal function: a focus on humans starting from animal studies. <i>Biology of Reproduction</i> , 2022, 106, 47-57.	2.7	5
60	Endocrine Disruption of the Follicle-Stimulating Hormone Receptor Signaling During the Human Antral Follicle Growth. <i>Frontiers in Endocrinology</i> , 2021, 12, 791763.	3.5	5
61	Human fertility and sleep disturbances: A narrative review. <i>Sleep Medicine</i> , 2022, 98, 13-25.	1.6	5
62	The "Hitchhiker"™s Guide to the Galaxy of Endothelial Dysfunction Markers in Human Fertility. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2584.	4.1	4
63	Nuclear expression of VDR and AHR is mutually exclusive in glandular cells in endometriosis. <i>Histochemistry and Cell Biology</i> , 2021, 156, 391-399.	1.7	4
64	Quantification of hormone membrane receptor FSHR, GPER and LHCGR transcripts in human primary granulosa lutein cells by real-time quantitative PCR and digital droplet PCR. <i>Gene Reports</i> , 2021, 23, 101194.	0.8	4
65	Aromatase expression in human peripheral blood leucocytes (<scp>PBL</scp>s) and in various tissues in primates: studies in elderly humans and cynomolgus monkeys. <i>Journal of Medical Primatology</i> , 2012, 41, 372-383.	0.6	3
66	Neither rationale nor scientific evidence exist to support that double stimulation is potentially unsafe. <i>Human Reproduction</i> , 2022, , .	0.9	3
67	Luteinizing Hormone (LH). , 2018, , 142-148.		2
68	Gonadotrophin Receptors. <i>Endocrinology</i> , 2016, , 1-46.	0.1	1
69	Human luteinizing hormone (hLH) and chorionic gonadotropin (hCG) display biased agonism at the LH/CG receptor. <i>Endocrine Abstracts</i> , 0, , .	0.0	1
70	Follicle-Stimulating Hormone (FSH). , 2018, , 149-156.		0
71	Evolutionary, structural, and physiological differences between hCG and LH. , 2020, , 5-17.		0
72	LH/hCG and the Receptor: A Single Receptor for Two Ligands. , 2021, , 413-420.		0

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73	Response to letter by Azziz R., et al. Journal of Clinical Endocrinology and Metabolism, 2015, 100, L24-L24.	3.6	0
74	Molecular human reproduction: advancements in clinical and basic research. Minerva Ginecologica, 2018, 70, 495-496.	0.8	0