Carla Tatone

List of Publications by Year
in descending order

59 papers	3,084 citations	201674 27 h-index	161849 54 g-index
60 all docs	60 docs citations	60 times ranked	3715 citing authors

#	Article	IF	Citations
1	Cellular and molecular aspects of ovarian follicle ageing. Human Reproduction Update, 2008, 14, 131-142.	10.8	342
2	Molecular characterization ofÂexosomes and their microRNA cargo in human follicular fluid: bioinformatic analysis reveals that exosomal microRNAs control pathways involved in follicular maturation. Fertility and Sterility, 2014, 102, 1751-1761.e1.	1.0	192
3	Sirtuins in gamete biology and reproductive physiology: emerging roles and therapeutic potential in female and male infertility. Human Reproduction Update, 2018, 24, 267-289.	10.8	170
4	Age-dependent changes in the expression of superoxide dismutases and catalase are associated with ultrastructural modifications in human granulosa cells. Molecular Human Reproduction, 2006, 12, 655-660.	2.8	164
5	Antioxidant enzymatic defences in human follicular fluid: characterization and age-dependent changes. Molecular Human Reproduction, 2003, 9, 639-643.	2.8	161
6	SIRT1 signalling protects mouse oocytes against oxidative stress and is deregulated during aging. Human Reproduction, 2014, 29, 2006-2017.	0.9	143
7	Cryopreservation and oxidative stress in reproductive cells. Gynecological Endocrinology, 2010, 26, 563-567.	1.7	132
8	The aging ovaryâ€"the poor granulosa cells. Fertility and Sterility, 2013, 99, 12-17.	1.0	128
9	Sirtuin Functions in Female Fertility: Possible Role in Oxidative Stress and Aging. Oxidative Medicine and Cellular Longevity, 2015, 2015, 1-11.	4.0	110
10	Antitumor Effects of Saffron-Derived Carotenoids in Prostate Cancer Cell Models. BioMed Research International, 2014, 2014, 1-12.	1.9	95
11	Age-Associated Changes in Mouse Oocytes During Postovulatory In Vitro Culture: Possible Role for Meiotic Kinases and Survival Factor BCL21. Biology of Reproduction, 2006, 74, 395-402.	2.7	93
12	GnRH antagonist in IVF poor-responder patients: results of a randomized trial. Reproductive BioMedicine Online, 2005, 11, 189-193.	2.4	90
13	Role of Mitochondria in the Oxidative Stress Induced by Electromagnetic Fields: Focus on Reproductive Systems. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-18.	4.0	85
14	Crocus Sativus Stigma Extract and Its Major Constituent Crocin Possess Significant Antiproliferative Properties Against Human Prostate Cancer. Nutrition and Cancer, 2013, 65, 930-942.	2.0	79
15	Evidence that carbonyl stress by methylglyoxal exposure induces DNA damage and spindle aberrations, affects mitochondrial integrity in mammalian oocytes and contributes to oocyte ageing. Human Reproduction, 2011, 26, 1843-1859.	0.9	73
16	Effects of reproductive aging and postovulatory aging on the maintenance of biological competence after oocyte vitrification: insights from the mouse model. Theriogenology, 2011, 76, 864-873.	2.1	52
17	Oocyte senescence: A firm link to age-related female subfertility. Gynecological Endocrinology, 2008, 24, 59-63.	1.7	49
18	Peroxisome Proliferator-Activated Receptors in Female Reproduction and Fertility. PPAR Research, 2016, 2016, 1-12.	2.4	46

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19	MicroRNAs Are Stored in Human MII Oocyte and Their Expression Profile Changes in Reproductive Aging. Biology of Reproduction, 2016, 95, 131-131.	2.7	44
20	Follicle cell regulation of mammalian oocyte growth. The Journal of Experimental Zoology, 1987, 242, 351-354.	1.4	41
21	Protein kinase C is required for the disappearance of MPF upon artificial activation in mouse eggs. Molecular Reproduction and Development, 1997, 48, 292-299.	2.0	40
22	Raman spectroscopy-based approach to detect aging-related oxidative damage in the mouse oocyte. Journal of Assisted Reproduction and Genetics, 2013, 30, 877-882.	2.5	40
23	SIRT1 participates in the response to methylglyoxal-dependent glycative stress in mouse oocytes and ovary. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2019, 1865, 1389-1401.	3.8	39
24	Somatic cell-oocyte interactions in mouse oogenesis: Stage-specific regulation of mouse oocyte protein phosphorylation by granulosa cells. Developmental Biology, 1989, 133, 305-308.	2.0	36
25	Dicarbonyl stress and glyoxalases in ovarian function. Biochemical Society Transactions, 2014, 42, 433-438.	3.4	35
26	The Natural Carotenoid Crocetin and the Synthetic Tellurium Compound AS101 Protect the Ovary against Cyclophosphamide by Modulating SIRT1 and Mitochondrial Markers. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-14.	4.0	35
27	Phytochemistry and Biological Activity of Medicinal Plants in Wound Healing: An Overview of Current Research. Molecules, 2022, 27, 3566.	3.8	33
28	Mitochondrial Sirtuins in Reproduction. Antioxidants, 2021, 10, 1047.	5.1	32
29	Female reproductive dysfunction during ageing: role of methylglyoxal in the formation of advanced glycation endproducts in ovaries of reproductively-aged mice. Journal of Biological Regulators and Homeostatic Agents, 2010, 24, 63-72.	0.7	31
30	Gene expression profiles of cumulus cells obtained from women treated with recombinant human luteinizing hormone + recombinant human follicle-stimulating hormone or highly purified human menopausal gonadotropin versus recombinant human follicle-stimulating hormone alone. Fertility and Sterility, 2013, 99, 2000-2008.e1.	1.0	28
31	Pathophysiology of Mitochondrial Dysfunction in Human Spermatozoa: Focus on Energetic Metabolism, Oxidative Stress and Apoptosis. Antioxidants, 2021, 10, 695.	5.1	28
32	Intrafollicular expression of matrix metalloproteinases and their inhibitors in normally ovulating women compared with patients undergoing in vitro fertilization treatment. European Journal of Endocrinology, 2004, 151, 87-91.	3.7	27
33	Comparison of different anaesthetic methodologies for sedation duringin vitrofertilization procedures: effects on patient physiology and oocyte competence. Gynecological Endocrinology, 2012, 28, 796-799.	1.7	26
34	Rapid warming increases survival of slow-frozen sibling oocytes: a step towards a single warming procedure irrespective of the freezing protocol?. Reproductive BioMedicine Online, 2014, 28, 614-623.	2.4	26
35	Regulatory Functions of L-Carnitine, Acetyl, and Propionyl L-Carnitine in a PCOS Mouse Model: Focus on Antioxidant/Antiglycative Molecular Pathways in the Ovarian Microenvironment. Antioxidants, 2020, 9, 867.	5.1	26
36	Pre-conceptional maternal exposure to cyclophosphamide results in modifications of DNA methylation in F1 and F2 mouse oocytes: evidence for transgenerational effects. Epigenetics, 2019, 14, 1057-1064.	2.7	22

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37	The apoptotic transcriptome of the human MII oocyte: characterization and age-related changes. Apoptosis: an International Journal on Programmed Cell Death, 2013, 18, 201-211.	4.9	21
38	Extremely Low-Frequency Magnetic Fields and Redox-Responsive Pathways Linked to Cancer Drug Resistance: Insights from Co-Exposure-Based In Vitro Studies. Frontiers in Public Health, 2018, 6, 33.	2.7	20
39	Methylglyoxal-Dependent Glycative Stress and Deregulation of SIRT1 Functional Network in the Ovary of PCOS Mice. Cells, 2020, 9, 209.	4.1	20
40	Ca2+-independent protein kinase C signalling in mouse eggs during the early phases of fertilization. International Journal of Developmental Biology, 2003, 47, 327-33.	0.6	19
41	Personalized Nutrition in the Management of Female Infertility: New Insights on Chronic Low-Grade Inflammation. Nutrients, 2022, 14, 1918.	4.1	19
42	Increased levels of oxidative and carbonyl stress markers in normal ovarian cortex surrounding endometriotic cysts. Gynecological Endocrinology, 2014, 30, 808-812.	1.7	18
43	Protein kinase C-dependent and independent events in mouse egg activation. Zygote, 1993, 1, 243-256.	1.1	17
44	High Doses of D-Chiro-Inositol Alone Induce a PCO-Like Syndrome and Other Alterations in Mouse Ovaries. International Journal of Molecular Sciences, 2021, 22, 5691.	4.1	15
45	Conventional IVF as a laboratory strategy to rescue fertility potential in severe poor responder patients: the impact of reproductive aging. Gynecological Endocrinology, 2013, 29, 997-1001.	1.7	14
46	Plasma membrane block to sperm entry occurs in mouse eggs upon parthenogenetic activation. Molecular Reproduction and Development, 1994, 38, 200-208.	2.0	13
47	Protein modification as oxidative stress marker in normal and pathological human seminal plasma. Redox Report, 2012, 17, 227-232.	4.5	13
48	Regular and Moderate Exercise Counteracts the Decline of Antioxidant Protection but Not Methylglyoxal-Dependent Glycative Burden in the Ovary of Reproductively Aging Mice. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-13.	4.0	13
49	Modulating Intrafollicular Hormonal Milieu in Controlled Ovarian Stimulation: Insights From PPAR Expression in Human Granulosa Cells. Journal of Cellular Physiology, 2016, 231, 908-914.	4.1	13
50	Spectrin and Ankyrin-like Proteins in the Egg of Discoglossus pictus (Anura): Their Identification and Localization in the Site of Sperm Entrance versus the Rest of the Egg. (spectrin/ankyrin/anuran) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 21	1.5	12
51	Possible involvement of integrin-mediated signalling in oocyte activation: evidence that a cyclic RGD-containing peptide can stimulate protein kinase C and cortical granule exocytosis in mouse oocytes. Reproductive Biology and Endocrinology, 2006, 4, 48.	3.3	12
52	IVF pregnancies: Neonatal outcomes after the new Italian law on assisted reproduction technology (law 40/2004). Acta Obstetricia Et Gynecologica Scandinavica, 2008, 87, 935-939.	2.8	12
53	AGEs-related dysfunctions in PCOS: evidence from animal and clinical research. Journal of Endocrinology, 2021, 251, R1-R9.	2.6	11
54	Carnitines as Mitochondrial Modulators of Oocyte and Embryo Bioenergetics. Antioxidants, 2022, 11, 745.	5.1	9

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55	Crocetin Mitigates Irradiation Injury in an In Vitro Model of the Pubertal Testis: Focus on Biological Effects and Molecular Mechanisms. Molecules, 2021, 26, 1676.	3.8	7
56	Gp273, the Ligand Molecule for Sperm-Egg Interaction in the Bivalve Mollusk, Unio elongatulus, Binds to and Induces Acrosome Reaction in Human Spermatozoa Through a Protein Kinase C-Dependent Pathway1. Biology of Reproduction, 2003, 69, 1779-1784.	2.7	5
57	Serum From Patients with Erectile Dysfunction and Vascular Risk Factors Triggered an Oxidative Stress-Dependent Mitochondrial Apoptotic Pathway in Ex Vivo Expanded Circulating Angiogenic Cells of Healthy Men. Journal of Sexual Medicine, 2016, 13, 1063-1070.	0.6	4
58	Protective effects of a SIRT1 inhibitor on primordial follicle activation and growth induced by cyclophosphamide: insights from a bovine in vitro folliculogenesis system. Journal of Assisted Reproduction and Genetics, 2022, 39, 933-943.	2.5	2
59	In Patients with Only One or Two Oocytes, Is IVF-ET or ICSI Better?. ISGE Series, 2015, , 111-117.	0.2	0