

# Carla Tatone

## List of Publications by Year in descending order

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Version: 2024-02-01

59  
papers

3,084  
citations

230014

27  
h-index

182931

54  
g-index

60  
all docs

60  
docs citations

60  
times ranked

3976  
citing authors

#	ARTICLE	IF	CITATIONS
1	Protective effects of a SIRT1 inhibitor on primordial follicle activation and growth induced by cyclophosphamide: insights from a bovine in vitro folliculogenesis system. <i>Journal of Assisted Reproduction and Genetics</i> , 2022, 39, 933-943.	1.2	2
2	Carnitines as Mitochondrial Modulators of Oocyte and Embryo Bioenergetics. <i>Antioxidants</i> , 2022, 11, 745.	2.2	9
3	Personalized Nutrition in the Management of Female Infertility: New Insights on Chronic Low-Grade Inflammation. <i>Nutrients</i> , 2022, 14, 1918.	1.7	19
4	Phytochemistry and Biological Activity of Medicinal Plants in Wound Healing: An Overview of Current Research. <i>Molecules</i> , 2022, 27, 3566.	1.7	33
5	Crocetin Mitigates Irradiation Injury in an In Vitro Model of the Pubertal Testis: Focus on Biological Effects and Molecular Mechanisms. <i>Molecules</i> , 2021, 26, 1676.	1.7	7
6	Pathophysiology of Mitochondrial Dysfunction in Human Spermatozoa: Focus on Energetic Metabolism, Oxidative Stress and Apoptosis. <i>Antioxidants</i> , 2021, 10, 695.	2.2	28
7	High Doses of D-Chiro-Inositol Alone Induce a PCO-Like Syndrome and Other Alterations in Mouse Ovaries. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5691.	1.8	15
8	Mitochondrial Sirtuins in Reproduction. <i>Antioxidants</i> , 2021, 10, 1047.	2.2	32
9	AGEs-related dysfunctions in PCOS: evidence from animal and clinical research. <i>Journal of Endocrinology</i> , 2021, 251, R1-R9.	1.2	11
10	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. <i>Antioxidants</i> , 2020, 9, 867.	2.2	26
11	Methylglyoxal-Dependent Glycative Stress and Deregulation of SIRT1 Functional Network in the Ovary of PCOS Mice. <i>Cells</i> , 2020, 9, 209.	1.8	20
12	Pre-conceptional maternal exposure to cyclophosphamide results in modifications of DNA methylation in F1 and F2 mouse oocytes: evidence for transgenerational effects. <i>Epigenetics</i> , 2019, 14, 1057-1064.	1.3	22
13	SIRT1 participates in the response to methylglyoxal-dependent glycative stress in mouse oocytes and ovary. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 1389-1401.	1.8	39
14	Sirtuins in gamete biology and reproductive physiology: emerging roles and therapeutic potential in female and male infertility. <i>Human Reproduction Update</i> , 2018, 24, 267-289.	5.2	170
15	Role of Mitochondria in the Oxidative Stress Induced by Electromagnetic Fields: Focus on Reproductive Systems. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-18.	1.9	85
16	Extremely Low-Frequency Magnetic Fields and Redox-Responsive Pathways Linked to Cancer Drug Resistance: Insights from Co-Exposure-Based In Vitro Studies. <i>Frontiers in Public Health</i> , 2018, 6, 33.	1.3	20
17	The Natural Carotenoid Crocetin and the Synthetic Tellurium Compound AS101 Protect the Ovary against Cyclophosphamide by Modulating SIRT1 and Mitochondrial Markers. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-14.	1.9	35
18	Regular and Moderate Exercise Counteracts the Decline of Antioxidant Protection but Not Methylglyoxal-Dependent Glycative Burden in the Ovary of Reproductively Aging Mice. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-13.	1.9	13

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19	Peroxisome Proliferator-Activated Receptors in Female Reproduction and Fertility. PPAR Research, 2016, 2016, 1-12.	1.1	46
20	Modulating Intrafollicular Hormonal Milieu in Controlled Ovarian Stimulation: Insights From PPAR Expression in Human Granulosa Cells. Journal of Cellular Physiology, 2016, 231, 908-914.	2.0	13
21	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.	0.3	4
22	MicroRNAs Are Stored in Human MII Oocyte and Their Expression Profile Changes in Reproductive Aging. Biology of Reproduction, 2016, 95, 131-131.	1.2	44
23	Sirtuin Functions in Female Fertility: Possible Role in Oxidative Stress and Aging. Oxidative Medicine and Cellular Longevity, 2015, 2015, 1-11.	1.9	110
24	In Patients with Only One or Two Oocytes, Is IVF-ET or ICSI Better?. ISGE Series, 2015, , 111-117.	0.2	0
25	Antitumor Effects of Saffron-Derived Carotenoids in Prostate Cancer Cell Models. BioMed Research International, 2014, 2014, 1-12.	0.9	95
26	Increased levels of oxidative and carbonyl stress markers in normal ovarian cortex surrounding endometriotic cysts. Gynecological Endocrinology, 2014, 30, 808-812.	0.7	18
27	Molecular characterization of Exosomes 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.	0.5	192
28	SIRT1 signalling protects mouse oocytes against oxidative stress and is deregulated during aging. Human Reproduction, 2014, 29, 2006-2017.	0.4	143
29	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.	1.1	26
30	Dicarbonyl stress and glyoxalases in ovarian function. Biochemical Society Transactions, 2014, 42, 433-438.	1.6	35
31	<i>Crocus Sativus</i> Stigma Extract and Its Major Constituent Crocin Possess Significant Antiproliferative Properties Against Human Prostate Cancer. Nutrition and Cancer, 2013, 65, 930-942.	0.9	79
32	Raman spectroscopy-based approach to detect aging-related oxidative damage in the mouse oocyte. Journal of Assisted Reproduction and Genetics, 2013, 30, 877-882.	1.2	40
33	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.	0.5	28
34	The aging ovary—the poor granulosa cells. Fertility and Sterility, 2013, 99, 12-17.	0.5	128
35	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.	0.7	14
36	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.	2.2	21

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37	Protein modification as oxidative stress marker in normal and pathological human seminal plasma. <i>Redox Report</i> , 2012, 17, 227-232.	1.4	13
38	Comparison of different anaesthetic methodologies for sedation during <i>in vitro</i> fertilization procedures: effects on patient physiology and oocyte competence. <i>Gynecological Endocrinology</i> , 2012, 28, 796-799.	0.7	26
39	Effects of reproductive aging and postovulatory aging on the maintenance of biological competence after oocyte vitrification: insights from the mouse model. <i>Theriogenology</i> , 2011, 76, 864-873.	0.9	52
40	Evidence that carbonyl stress by methylglyoxal exposure induces DNA damage and spindle aberrations, affects mitochondrial integrity in mammalian oocytes and contributes to oocyte ageing. <i>Human Reproduction</i> , 2011, 26, 1843-1859.	0.4	73
41	Cryopreservation and oxidative stress in reproductive cells. <i>Gynecological Endocrinology</i> , 2010, 26, 563-567.	0.7	132
42	Female reproductive dysfunction during ageing: role of methylglyoxal in the formation of advanced glycation endproducts in ovaries of reproductively-aged mice. <i>Journal of Biological Regulators and Homeostatic Agents</i> , 2010, 24, 63-72.	0.7	31
43	IVF pregnancies: Neonatal outcomes after the new Italian law on assisted reproduction technology (law 40/2004). <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2008, 87, 935-939.	1.3	12
44	Oocyte senescence: A firm link to age-related female subfertility. <i>Gynecological Endocrinology</i> , 2008, 24, 59-63.	0.7	49
45	Cellular and molecular aspects of ovarian follicle ageing. <i>Human Reproduction Update</i> , 2008, 14, 131-142.	5.2	342
46	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. <i>Reproductive Biology and Endocrinology</i> , 2006, 4, 48.	1.4	12
47	Age-dependent changes in the expression of superoxide dismutases and catalase are associated with ultrastructural modifications in human granulosa cells. <i>Molecular Human Reproduction</i> , 2006, 12, 655-660.	1.3	164
48	Age-Associated Changes in Mouse Oocytes During Postovulatory In Vitro Culture: Possible Role for Meiotic Kinases and Survival Factor BCL21. <i>Biology of Reproduction</i> , 2006, 74, 395-402.	1.2	93
49	GnRH antagonist in IVF poor-responder patients: results of a randomized trial. <i>Reproductive BioMedicine Online</i> , 2005, 11, 189-193.	1.1	90
50	Intrafollicular expression of matrix metalloproteinases and their inhibitors in normally ovulating women compared with patients undergoing in vitro fertilization treatment. <i>European Journal of Endocrinology</i> , 2004, 151, 87-91.	1.9	27
51	Gp273, the Ligand Molecule for Sperm-Egg Interaction in the Bivalve Mollusk, <i>Unio elongatulus</i> , Binds to and Induces Acrosome Reaction in Human Spermatozoa Through a Protein Kinase C-Dependent Pathway1. <i>Biology of Reproduction</i> , 2003, 69, 1779-1784.	1.2	5
52	Antioxidant enzymatic defences in human follicular fluid: characterization and age-dependent changes. <i>Molecular Human Reproduction</i> , 2003, 9, 639-643.	1.3	161
53	Ca <sup>2+</sup> -independent protein kinase C signalling in mouse eggs during the early phases of fertilization. <i>International Journal of Developmental Biology</i> , 2003, 47, 327-333.	0.3	19
54	Protein kinase C is required for the disappearance of MPF upon artificial activation in mouse eggs. <i>Molecular Reproduction and Development</i> , 1997, 48, 292-299.	1.0	40

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55	Plasma membrane block to sperm entry occurs in mouse eggs upon parthenogenetic activation. <i>Molecular Reproduction and Development</i> , 1994, 38, 200-208.	1.0	13
56	Spectrin and Ankyrin-like Proteins in the Egg of <i>Discoglossus pictus</i> (Anura): Their Identification and Localization in the Site of Sperm Entrance versus the Rest of the Egg. (spectrin/ankyrin/anuran) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 69</i>	0.9	10
57	Protein kinase C-dependent and independent events in mouse egg activation. <i>Zygote</i> , 1993, 1, 243-256.	0.5	17
58	Somatic cell-oocyte interactions in mouse oogenesis: Stage-specific regulation of mouse oocyte protein phosphorylation by granulosa cells. <i>Developmental Biology</i> , 1989, 133, 305-308.	0.9	36
59	Follicle cell regulation of mammalian oocyte growth. <i>The Journal of Experimental Zoology</i> , 1987, 242, 351-354.	1.4	41