

Christiani A. Amorim

List of Publications by Citations

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120
papers

3,531
citations

37
h-index

55
g-index

136
ext. papers

4,178
ext. citations

3.8
avg, IF

5.47
L-index

#	Paper	IF	Citations
120	Reimplantation of cryopreserved ovarian tissue from patients with acute lymphoblastic leukemia is potentially unsafe. <i>Blood</i> , 2010 , 116, 2908-14	2.2	310
119	Survival of human pre-antral follicles after cryopreservation of ovarian tissue, follicular isolation and in vitro culture in a calcium alginate matrix. <i>Human Reproduction</i> , 2009 , 24, 92-9	5.7	157
118	Vitrification as an alternative means of cryopreserving ovarian tissue. <i>Reproductive BioMedicine Online</i> , 2011 , 23, 160-86	4	147
117	A new step toward the artificial ovary: survival and proliferation of isolated murine follicles after autologous transplantation in a fibrin scaffold. <i>Fertility and Sterility</i> , 2014 , 101, 1149-56	4.8	115
116	Transplantation of an alginate-matrigel matrix containing isolated ovarian cells: first step in developing a biodegradable scaffold to transplant isolated preantral follicles and ovarian cells. <i>Biomaterials</i> , 2012 , 33, 6079-85	15.6	111
115	IVF outcome in patients with orthotopically transplanted ovarian tissue. <i>Human Reproduction</i> , 2009 , 24, 2778-87	5.7	94
114	Vitrification and xenografting of human ovarian tissue. <i>Fertility and Sterility</i> , 2012 , 98, 1291-8.e1-2	4.8	90
113	A review of 15 years of ovarian tissue bank activities. <i>Journal of Assisted Reproduction and Genetics</i> , 2013 , 30, 305-14	3.4	88
112	Cryopreservation of ovarian tissue: an emerging technology for female germline preservation of endangered species and breeds. <i>Animal Reproduction Science</i> , 2010 , 122, 151-63	2.1	70
111	The artificial ovary: current status and future perspectives. <i>Future Oncology</i> , 2016 , 12, 2323-32	3.6	68
110	Cryopreservation of prepubertal mouse testicular tissue by vitrification. <i>Fertility and Sterility</i> , 2011 , 95, 1229-34.e1	4.8	65
109	Study of preantral follicle population in situ and after mechanical isolation from caprine ovaries at different reproductive stages. <i>Animal Reproduction Science</i> , 1999 , 56, 223-36	2.1	62
108	First step in developing a 3D biodegradable fibrin scaffold for an artificial ovary. <i>Journal of Ovarian Research</i> , 2013 , 6, 83	5.5	59
107	Enzymatic isolation of human primordial and primary ovarian follicles with Liberase DH: protocol for application in a clinical setting. <i>Fertility and Sterility</i> , 2011 , 96, 379-383.e3	4.8	59
106	Effect of the interval of serial sections of ovarian tissue in the tissue chopper on the number of isolated caprine preantral follicles. <i>Animal Reproduction Science</i> , 1999 , 56, 39-49	2.1	59
105	Cryopreservation of Human Ovarian Tissue: A Review. <i>Transfusion Medicine and Hemotherapy</i> , 2019 , 46, 173-181	4.2	55
104	Survival and growth of human preantral follicles after cryopreservation of ovarian tissue, follicle isolation and short-term xenografting. <i>Reproductive BioMedicine Online</i> , 2016 , 33, 425-32	4	55

103	Successful vitrification and autografting of baboon (<i>Papio anubis</i>) ovarian tissue. <i>Human Reproduction</i> , 2013 , 28, 2146-56	5.7	54
102	Cryopreservation of caprine ovarian tissue using dimethylsulphoxide and propanediol. <i>Animal Reproduction Science</i> , 2004 , 84, 211-27	2.1	54
101	Impact of freezing and thawing of human ovarian tissue on follicular growth after long-term xenotransplantation. <i>Journal of Assisted Reproduction and Genetics</i> , 2011 , 28, 1157-65	3.4	52
100	Endothelial cells are essential for ovarian stromal tissue restructuring after xenotransplantation of isolated ovarian stromal cells. <i>Human Reproduction</i> , 2011 , 26, 1431-9	5.7	52
99	Cryopreservation of oocytes from pre-antral follicles. <i>Human Reproduction Update</i> , 2003 , 9, 119-29	15.8	51
98	Cryopreservation of swine ovarian tissue: effect of different cryoprotectants on the structural preservation of preantral follicle oocytes. <i>Cryobiology</i> , 2009 , 59, 195-200	2.7	50
97	Evaluation of cryopreserved ovarian tissue from prepubertal patients after long-term xenografting and exogenous stimulation. <i>Fertility and Sterility</i> , 2013 , 100, 1350-7	4.8	49
96	The best source of isolated stromal cells for the artificial ovary: medulla or cortex, cryopreserved or fresh?. <i>Human Reproduction</i> , 2015 , 30, 1589-98	5.7	49
95	Effect of cryopreservation and transplantation on the expression of kit ligand and anti-Mullerian hormone in human ovarian tissue. <i>Human Reproduction</i> , 2012 , 27, 1088-95	5.7	49
94	A novel fibrin-based artificial ovary prototype resembling human ovarian tissue in terms of architecture and rigidity. <i>Journal of Assisted Reproduction and Genetics</i> , 2018 , 35, 41-48	3.4	48
93	Eliminating malignant cells from cryopreserved ovarian tissue is possible in leukaemia patients. <i>British Journal of Haematology</i> , 2017 , 178, 231-239	4.5	46
92	Quantitative and qualitative analysis of the effectiveness of a mechanical method for the isolation of preantral follicles from ovine ovaries. <i>Theriogenology</i> , 2000 , 53, 1251-62	2.8	45
91	Vitrification of human ovarian tissue: effect of different solutions and procedures. <i>Fertility and Sterility</i> , 2011 , 95, 1094-7	4.8	43
90	First transplantation of isolated murine follicles in alginate. <i>Regenerative Medicine</i> , 2014 , 9, 609-19	2.5	42
89	Preservation of fertility in young cancer patients: contribution of transmission electron microscopy. <i>Reproductive BioMedicine Online</i> , 2008 , 17, 136-50	4	42
88	Fibrin in Reproductive Tissue Engineering: A Review on Its Application as a Biomaterial for Fertility Preservation. <i>Annals of Biomedical Engineering</i> , 2017 , 45, 1650-1663	4.7	41
87	Is transplantation of cryopreserved ovarian tissue from patients with advanced-stage breast cancer safe? A pilot study. <i>Journal of Assisted Reproduction and Genetics</i> , 2013 , 30, 1289-99	3.4	40
86	Should we isolate human preantral follicles before or after cryopreservation of ovarian tissue?. <i>Fertility and Sterility</i> , 2013 , 99, 1363-1368.e2	4.8	38

85	Alginate beads as a tool to handle, cryopreserve and culture isolated human primordial/primary follicles. <i>Cryobiology</i> , 2013 , 67, 64-9	2.7	38
84	Two-step transplantation with adipose tissue-derived stem cells increases follicle survival by enhancing vascularization in xenografted frozen-thawed human ovarian tissue. <i>Human Reproduction</i> , 2018 , 33, 1107-1116	5.7	37
83	Adipose tissue-derived stem cells in a fibrin implant enhance neovascularization in a peritoneal grafting site: a potential way to improve ovarian tissue transplantation. <i>Human Reproduction</i> , 2018 , 33, 270-279	5.7	37
82	Evaluation of a human ovarian follicle isolation technique to obtain disease-free follicle suspensions before safely grafting to cancer patients. <i>Fertility and Sterility</i> , 2015 , 104, 672-80.e2	4.8	36
81	Alginate: A Versatile Biomaterial to Encapsulate Isolated Ovarian Follicles. <i>Annals of Biomedical Engineering</i> , 2017 , 45, 1633-1649	4.7	33
80	Immunohistochemical localization of growth factors after cryopreservation and 3 weeksR xenotransplantation of human ovarian tissue. <i>Fertility and Sterility</i> , 2011 , 95, 1241-6	4.8	32
79	Cryopreservation of caprine ovarian tissue using glycerol and ethylene glycol. <i>Theriogenology</i> , 2004 , 61, 1009-24	2.8	31
78	Is transplantation of a few leukemic cells inside an artificial ovary able to induce leukemia in an experimental model?. <i>Journal of Assisted Reproduction and Genetics</i> , 2015 , 32, 597-606	3.4	28
77	Evaluation of minimal disseminated disease in cryopreserved ovarian tissue from bone and soft tissue sarcoma patients. <i>Human Reproduction</i> , 2016 , 31, 2292-302	5.7	25
76	Safety of ovarian tissue transplantation in patients with borderline ovarian tumors. <i>Human Reproduction</i> , 2018 , 33, 212-219	5.7	24
75	Isolated ovine primordial follicles cryopreserved in different concentrations of ethylene glycol. <i>Theriogenology</i> , 2003 , 60, 735-42	2.8	24
74	Influence of follicle stage on artificial ovary outcome using fibrin as a matrix. <i>Human Reproduction</i> , 2016 , 31, 427-35	5.7	23
73	In vivo characterization of metabolic activity and oxidative stress in grafted human ovarian tissue using microdialysis. <i>Fertility and Sterility</i> , 2018 , 110, 534-544.e3	4.8	23
72	FERTILITY PRESERVATION: Construction and use of artificial ovaries. <i>Reproduction</i> , 2019 , 158, F15-F25	3.8	22
71	A modified and tailored human follicle isolation procedure improves follicle recovery and survival. <i>Journal of Ovarian Research</i> , 2017 , 10, 71	5.5	21
70	Cryopreservation of isolated ovine primordial follicles with propylene glycol and glycerol. <i>Fertility and Sterility</i> , 2004 , 81 Suppl 1, 735-40	4.8	21
69	Permeability of ovine primordial follicles to different cryoprotectants. <i>Fertility and Sterility</i> , 2006 , 85 Suppl 1, 1077-81	4.8	20
68	A Draft Map of the Human Ovarian Proteome for Tissue Engineering and Clinical Applications. <i>Molecular and Cellular Proteomics</i> , 2019 , 18, S159-S173	7.6	20

67	Utilizing Fibrin-Alginate and Matrigel-Alginate for Mouse Follicle Development in Three-Dimensional Culture Systems. <i>Biopreservation and Biobanking</i> , 2018 , 16, 120-127	2.1	19
66	Role of the PI3K and Hippo pathways in follicle activation after grafting of human ovarian tissue. <i>Journal of Assisted Reproduction and Genetics</i> , 2020 , 37, 101-108	3.4	18
65	Adipose tissue-derived stem cells boost vascularization in grafted ovarian tissue by growth factor secretion and differentiation into endothelial cell lineages. <i>Molecular Human Reproduction</i> , 2019 , 25, 184-193	4.4	17
64	Cryopreservation of ovine primordial follicles using dimethyl sulfoxide. <i>Fertility and Sterility</i> , 2003 , 79 Suppl 1, 682-6	4.8	17
63	Further insights into the impact of mouse follicle stage on graft outcome in an artificial ovary environment. <i>Molecular Human Reproduction</i> , 2017 , 23, 381-392	4.4	16
62	Impact of the cryopreservation technique and vascular bed on ovarian tissue transplantation in cynomolgus monkeys. <i>Journal of Assisted Reproduction and Genetics</i> , 2015 , 32, 1251-62	3.4	16
61	Spatiotemporal changes in mechanical matrix components of the human ovary from prepuberty to menopause. <i>Human Reproduction</i> , 2020 , 35, 1391-1410	5.7	16
60	Morphometry, estimation and ultrastructure of ovarian preantral follicle population in queens. <i>Cells Tissues Organs</i> , 2010 , 191, 152-60	2.1	16
59	Cryopreservation and short-term culture of isolated caprine primordial follicles. <i>Small Ruminant Research</i> , 2005 , 56, 103-111	1.7	16
58	Cryostorage and retransplantation of ovarian tissue as an infertility treatment. <i>Best Practice and Research in Clinical Endocrinology and Metabolism</i> , 2019 , 33, 89-102	6.5	16
57	Evaluation of saline and coconut water solutions in the preservation of sheep preantral follicles in situ. <i>Small Ruminant Research</i> , 2002 , 43, 235-243	1.7	15
56	Evaluation of a new freezing protocol containing 20% dimethyl sulphoxide concentration to cryopreserve human ovarian tissue. <i>Reproductive BioMedicine Online</i> , 2018 , 37, 653-665	4	15
55	Immunolocalization of growth, inhibitory, and proliferative factors involved in initial ovarian folliculogenesis from adult common squirrel monkey (<i>Saimiri collinsi</i>). <i>Reproductive Sciences</i> , 2015 , 22, 68-74	3	14
54	Effect of sectioning on the number of isolated ovine preantral follicles. <i>Small Ruminant Research</i> , 2000 , 37, 269-277	1.7	14
53	Stepped vitrification technique for human ovarian tissue cryopreservation. <i>Scientific Reports</i> , 2019 , 9, 20008	4.9	14
52	Activation Prior to Transplantation of Human Ovarian Tissue: Is It Truly Effective?. <i>Frontiers in Endocrinology</i> , 2019 , 10, 520	5.7	13
51	Cryopreservation of sheep primordial follicles. <i>Reproduction in Domestic Animals</i> , 2007 , 42, 53-7	1.6	13
50	Translational research aiming to improve survival of ovarian tissue transplants using adipose tissue-derived stem cells. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2019 , 98, 665-671	3.8	11

49	Culture of domestic cat ovarian tissue in vitro and in the chick embryo chorioallantoic membrane. <i>Theriogenology</i> , 2016 , 86, 1774-81	2.8	11
48	Effects of storing pig ovaries at 4 or 20 degrees C for different periods of time on the morphology and viability of pre-antral follicles. <i>Reproduction in Domestic Animals</i> , 2007 , 42, 76-82	1.6	11
47	Ovarian tissue cryopreservation by stepped vitrification and monitored by X-ray computed tomography. <i>Cryobiology</i> , 2018 , 81, 17-26	2.7	10
46	In Vitro Culture of Cryopreserved Caprine Ovarian Tissue Pieces And Isolated Follicles. <i>Cell Preservation Technology</i> , 2006 , 4, 290-298		10
45	Gene expression in human ovarian tissue after xenografting. <i>Molecular Human Reproduction</i> , 2014 , 20, 514-25	4.4	9
44	Short term maintenance of sheep preantral follicles in situ in 0.9% saline and Braun-Collins solution. <i>Small Ruminant Research</i> , 2001 , 41, 141-149	1.7	9
43	Impact of perinatal bisphenol A and 17 β -Estradiol exposure: Comparing hormone receptor response. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 188, 109918	7	9
42	Formation and activation induction of primordial follicles using granulosa and cumulus cells conditioned media. <i>Journal of Cellular Physiology</i> , 2019 , 234, 10148-10156	7	9
41	Trolox enhances follicular survival after ovarian tissue autograft in squirrel monkey (<i>Saimiri collinsi</i>). <i>Reproduction, Fertility and Development</i> , 2015 ,	1.8	8
40	Photodynamic cancer therapy using liposomes as an advanced vesicular photosensitizer delivery system. <i>Journal of Controlled Release</i> , 2021 , 339, 75-90	11.7	8
39	Long-Term Advantages of Ovarian Reserve Maintenance and Follicle Development Using Adipose Tissue-Derived Stem Cells in Ovarian Tissue Transplantation. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	7
38	Ovarian Cell Encapsulation in an Enzymatically Crosslinked Silk-Based Hydrogel with Tunable Mechanical Properties. <i>Gels</i> , 2021 , 7,	4.2	7
37	An optimized controlled rate slow cooling protocol for bovine ovarian tissue cryopreservation by means of X-ray computed tomography. <i>Theriogenology</i> , 2018 , 119, 183-188	2.8	6
36	Preservation of goat preantral follicles enclosed in ovarian tissue in saline or TCM 199 solutions. <i>Small Ruminant Research</i> , 2005 , 58, 189-193	1.7	6
35	Isolamento mecânico de folículos ovarianos pr ^e -antrais em cabras. <i>Ciencia Rural</i> , 1998 , 28, 477-482	1.3	6
34	In vitro differentiation of theca cells from ovarian cells isolated from postmenopausal women. <i>Human Reproduction</i> , 2020 , 35, 2793-2807	5.7	6
33	From isolation of human ovarian follicles to the artificial ovary: tips and tricks. <i>Minerva Obstetrics and Gynecology</i> , 2018 , 70, 444-455		5
32	Perinatal exposure to bisphenol A impacts in the mammary gland morphology of adult Mongolian gerbils. <i>Experimental and Molecular Pathology</i> , 2020 , 113, 104374	4.4	5

31	A review on biomaterials for ovarian tissue engineering. <i>Acta Biomaterialia</i> , 2021 , 135, 48-63	10.8	5
30	A blueprint of the topology and mechanics of the human ovary for next-generation bioengineering and diagnosis. <i>Nature Communications</i> , 2021 , 12, 5603	17.4	5
29	The Human Ovary and Future of Fertility Assessment in the Post-Genome Era. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	4
28	Artificial ovary448-458		4
27	Preliminary study of short-term preservation of ovine ovarian tissue containing preantral follicles in saline solution of TCM199. <i>Veterinary Record</i> , 2002 , 151, 452-3	0.9	4
26	Ovarian tissue transportation: a systematic review. <i>Reproductive BioMedicine Online</i> , 2021 , 42, 351-365	4	4
25	Folículos pr-antrais caprinos isolados mecanicamente em diferentes estgios reprodutivos e parâmetros morfométricos ovarianos. <i>Ciencia Rural</i> , 1998 , 28, 471-476	1.3	3
24	Vaginal Administration of Contraceptives. <i>Scientia Pharmaceutica</i> , 2021 , 89, 3	4.3	3
23	Isolation and characterization of the human ovarian cell population for transplantation into an artificial ovary. <i>Animal Reproduction</i> , 2019 , 16, 39-44	1.7	3
22	Follicle populations and vascularization in ovarian tissue of pediatric patients before and after long-term grafting. <i>Fertility and Sterility</i> , 2020 , 114, 1330-1338	4.8	3
21	Assessing and validating housekeeping genes in normal, cancerous, and polycystic human ovaries. <i>Journal of Assisted Reproduction and Genetics</i> , 2020 , 37, 2545-2553	3.4	3
20	Evidence of metabolic activity during low-temperature ovarian tissue preservation in different media. <i>Journal of Assisted Reproduction and Genetics</i> , 2020 , 37, 2477-2486	3.4	3
19	Morphometric characteristics of preantral and antral follicles and expression of factors involved in folliculogenesis in ovaries of adult baboons (<i>Papio anubis</i>). <i>Journal of Assisted Reproduction and Genetics</i> , 2016 , 33, 617-626	3.4	3
18	Long-term follow-up of vitrified and autografted baboon (<i>Papio anubis</i>) ovarian tissue. <i>Human Reproduction</i> , 2019 , 34, 323-334	5.7	3
17	NLRP3 inflammasome: A joint, potential therapeutic target in management of COVID-19 and fertility problems. <i>Journal of Reproductive Immunology</i> , 2021 , 148, 103427	4.2	3
16	Immunodetection and quantification of enzymatic markers in theca cells: the early process of ovarian steroidogenesis. <i>Biology of Reproduction</i> , 2020 , 102, 145-155	3.9	2
15	Artificial Ovary 2016 , 175-192		2
14	Isolation and characterization of the human ovarian cell population for transplantation into an artificial ovary. <i>Animal Reproduction</i> , 2020 , 16, 39-44	1.7	2

13	Evaluation of PEGylated fibrin as a three-dimensional biodegradable scaffold for ovarian tissue engineering. <i>Materials Today Chemistry</i> , 2021 , 22, 100626	6.2	2
12	Function of Cryopreserved Cat Ovarian Tissue after Autotransplantation. <i>Animals</i> , 2019 , 9,	3.1	2
11	ALPc/ZnPc-based oncological photodynamic therapy for a selective eradication of leukemic cells from ovarian tissue. <i>Photodiagnosis and Photodynamic Therapy</i> , 2021 , 36, 102555	3.5	2
10	Preantral follicular development in Massese lambs born during two seasons of the year. <i>Small Ruminant Research</i> , 2005 , 57, 277-280	1.7	1
9	Divide-and-Conquer Matrisome Protein (DC-MaP) Strategy: An MS-Friendly Approach to Proteomic Matrisome Characterization. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	1
8	Mitochondrial content, activity, and morphology in prepubertal and adult human ovaries. <i>Journal of Assisted Reproduction and Genetics</i> , 2021 , 38, 2581-2590	3.4	1
7	Permeability Characteristics of Ovine Primordial Follicles Calculated with Two Parameter Kedem-Katchalsky Formulation. <i>Cell Preservation Technology</i> , 2006 , 4, 188-198		0
6	New insights into the GDF9-Hedgehog-Gli signaling pathway in human ovaries: from fetus to postmenopause. <i>Journal of Assisted Reproduction and Genetics</i> , 2021 , 38, 1387-1403	3.4	0
5	Modulating hypoxia and oxidative stress in human xenografts using adipose tissue-derived stem cells.. <i>F&S Science</i> , 2021 , 2, 141-152	0.4	0
4	#ESHREjc report: Is OTO-IVM the future fertility preservation alternative for urgent cancer patients?. <i>Human Reproduction</i> , 2021 , 36, 2631-2633	5.7	0
3	Transplantation of Isolated Follicles and the Engineered Ovary 2022 , 353-367		
2	The Artificial Ovary 2021 , 381-393		
1	Survival of Primordial Follicles 2021 , 364-380		