

Christiani A. Amorim

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8039978/publications.pdf>

Version: 2024-02-01

131
papers

4,803
citations

71102

41
h-index

114465

63
g-index

136
all docs

136
docs citations

136
times ranked

2251
citing authors

#	ARTICLE	IF	CITATIONS
1	Reimplantation of cryopreserved ovarian tissue from patients with acute lymphoblastic leukemia is potentially unsafe. <i>Blood</i> , 2010, 116, 2908-2914.	1.4	369
2	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> , 2008, 24, 92-99.	0.9	193
3	Vitrification as an alternative means of cryopreserving ovarian tissue. <i>Reproductive BioMedicine Online</i> , 2011, 23, 160-186.	2.4	188
4	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, 1149-1156.	1.0	141
5	Transplantation of an alginateâ€“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, 6079-6085.	11.4	136
6	IVF outcome in patients with orthotopically transplanted ovarian tissue. <i>Human Reproduction</i> , 2009, 24, 2778-2787.	0.9	109
7	A review of 15Âyears of ovarian tissue bank activities. <i>Journal of Assisted Reproduction and Genetics</i> , 2013, 30, 305-314.	2.5	108
8	Vitrification and xenografting of human ovarian tissue. <i>Fertility and Sterility</i> , 2012, 98, 1291-1298.e2.	1.0	104
9	Cryopreservation of Human Ovarian Tissue: A Review. <i>Transfusion Medicine and Hemotherapy</i> , 2019, 46, 173-181.	1.6	100
10	The artificial ovary: current status and future perspectives. <i>Future Oncology</i> , 2016, 12, 2323-2332.	2.4	95
11	Cryopreservation of prepubertal mouse testicular tissue by vitrification. <i>Fertility and Sterility</i> , 2011, 95, 1229-1234.e1.	1.0	91
12	Cryopreservation of ovarian tissue: An emerging technology for female germline preservation of endangered species and breeds. <i>Animal Reproduction Science</i> , 2010, 122, 151-163.	1.5	89
13	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, 425-432.	2.4	81
14	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.	1.0	76
15	First step in developing a 3D biodegradable fibrin scaffold for an artificial ovary. <i>Journal of Ovarian Research</i> , 2013, 6, 83.	3.0	74
16	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, 223-236.	1.5	72
17	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.	2.5	70
18	Endothelial cells are essential for ovarian stromal tissue restructuring after xenotransplantation of isolated ovarian stromal cells. <i>Human Reproduction</i> , 2011, 26, 1431-1439.	0.9	67

#	ARTICLE	IF	CITATIONS
19	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.	1.5	61
20	Cryopreservation of caprine ovarian tissue using dimethylsulphoxide and propanediol. <i>Animal Reproduction Science</i> , 2004, 84, 211-227.	1.5	60
21	Cryopreservation of swine ovarian tissue: Effect of different cryoprotectants on the structural preservation of preantral follicle oocytes. <i>Cryobiology</i> , 2009, 59, 195-200.	0.7	60
22	Successful vitrification and autografting of baboon (<i>Papio anubis</i>) ovarian tissue. <i>Human Reproduction</i> , 2013, 28, 2146-2156.	0.9	60
23	First transplantation of isolated murine follicles in alginate. <i>Regenerative Medicine</i> , 2014, 9, 609-619.	1.7	60
24	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.	2.5	60
25	Cryopreservation of oocytes from pre-antral follicles. <i>Human Reproduction Update</i> , 2003, 9, 119-129.	10.8	59
26	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, 1157-1165.	2.5	59
27	Eliminating malignant cells from cryopreserved ovarian tissue is possible in leukaemia patients. <i>British Journal of Haematology</i> , 2017, 178, 231-239.	2.5	59
28	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, 1088-1095.	0.9	56
29	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.	0.9	56
30	Evaluation of cryopreserved ovarian tissue from prepubertal patients after long-term xenografting and exogenous stimulation. <i>Fertility and Sterility</i> , 2013, 100, 1350-1357.e3.	1.0	55
31	Alginate: A Versatile Biomaterial to Encapsulate Isolated Ovarian Follicles. <i>Annals of Biomedical Engineering</i> , 2017, 45, 1633-1649.	2.5	55
32	Vitrification of human ovarian tissue: effect of different solutions and procedures. <i>Fertility and Sterility</i> , 2011, 95, 1094-1097.	1.0	53
33	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.	0.9	53
34	The best source of isolated stromal cells for the artificial ovary: medulla or cortex, cryopreserved or fresh?. <i>Human Reproduction</i> , 2015, 30, 1589-1598.	0.9	52
35	Spatiotemporal changes in mechanical matrix components of the human ovary from prepuberty to menopause. <i>Human Reproduction</i> , 2020, 35, 1391-1410.	0.9	50
36	Photodynamic cancer therapy using liposomes as an advanced vesicular photosensitizer delivery system. <i>Journal of Controlled Release</i> , 2021, 339, 75-90.	9.9	50

#	ARTICLE	IF	CITATIONS
37	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, 672-680.e2.	1.0	49
38	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, 1251-1262.	2.1	48
39	Alginate beads as a tool to handle, cryopreserve and culture isolated human primordial/primary follicles. <i>Cryobiology</i> , 2013, 67, 64-69.	0.7	48
40	FERTILITY PRESERVATION: Construction and use of artificial ovaries. <i>Reproduction</i> , 2019, 158, F15-F25.	2.6	46
41	Preservation of fertility in young cancer patients: contribution of transmission electron microscopy. <i>Reproductive BioMedicine Online</i> , 2008, 17, 136-150.	2.4	45
42	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, 1289-1299.	2.5	45
43	Should we isolate human preantral follicles before or after cryopreservation of ovarian tissue?. <i>Fertility and Sterility</i> , 2013, 99, 1363-1368.e2.	1.0	44
44	InÂvivo characterization of metabolic activity and oxidative stress in grafted human ovarian tissue using microdialysis. <i>Fertility and Sterility</i> , 2018, 110, 534-544.e3.	1.0	44
45	Fresh and cryopreserved ovarian tissue transplantation for preserving reproductive and endocrine function: a systematic review and individual patient data meta-analysis. <i>Human Reproduction Update</i> , 2022, 28, 400-416.	10.8	43
46	Cryopreservation of caprine ovarian tissue using glycerol and ethylene glycol. <i>Theriogenology</i> , 2004, 61, 1009-1024.	2.1	40
47	Influence of follicle stage on artificial ovary outcome using fibrin as a matrix. <i>Human Reproduction</i> , 2016, 31, dev299.	0.9	38
48	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.	2.5	38
49	A modified and tailored human follicle isolation procedure improves follicle recovery and survival. <i>Journal of Ovarian Research</i> , 2017, 10, 71.	3.0	37
50	Immunohistochemical localization of growth factors after cryopreservation and 3 weeks' xenotransplantation of human ovarian tissue. <i>Fertility and Sterility</i> , 2011, 95, 1241-1246.	1.0	35
51	A Draft Map of the Human Ovarian Proteome for Tissue Engineering and Clinical Applications. <i>Molecular and Cellular Proteomics</i> , 2019, 18, S159-S173.	3.8	35
52	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.	2.5	33
53	Utilizing Fibrin-Alginate and Matrigel-Alginate for Mouse Follicle Development in Three-Dimensional Culture Systems. <i>Biopreservation and Biobanking</i> , 2018, 16, 120-127.	1.0	33
54	A review on biomaterials for ovarian tissue engineering. <i>Acta Biomaterialia</i> , 2021, 135, 48-63.	8.3	33

#	ARTICLE	IF	CITATIONS
55	Safety of ovarian tissue transplantation in patients with borderline ovarian tumors. <i>Human Reproduction</i> , 2018, 33, 212-219.	0.9	32
56	Stepped vitrification technique for human ovarian tissue cryopreservation. <i>Scientific Reports</i> , 2019, 9, 20008.	3.3	32
57	Evaluation of minimal disseminated disease in cryopreserved ovarian tissue from bone and soft tissue sarcoma patients. <i>Human Reproduction</i> , 2016, 31, 2292-2302.	0.9	31
58	Isolated ovine primordial follicles cryopreserved in different concentrations of ethylene glycol. <i>Theriogenology</i> , 2003, 60, 735-742.	2.1	27
59	Cryopreservation of isolated ovine primordial follicles with propylene glycol and glycerol. <i>Fertility and Sterility</i> , 2004, 81, 735-740.	1.0	25
60	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.	2.8	24
61	A blueprint of the topology and mechanics of the human ovary for next-generation bioengineering and diagnosis. <i>Nature Communications</i> , 2021, 12, 5603.	12.8	24
62	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.	2.8	23
63	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.	4.7	22
64	Ovarian Cell Encapsulation in an Enzymatically Crosslinked Silk-Based Hydrogel with Tunable Mechanical Properties. <i>Gels</i> , 2021, 7, 138.	4.5	22
65	Morphometry, Estimation and Ultrastructure of Ovarian Preantral Follicle Population in Queens. <i>Cells Tissues Organs</i> , 2010, 191, 152-160.	2.3	21
66	Special Issue Devoted to a New Field of Regenerative Medicine: Reproductive Tissue Engineering. <i>Annals of Biomedical Engineering</i> , 2017, 45, 1589-1591.	2.5	21
67	In vitro Activation Prior to Transplantation of Human Ovarian Tissue: Is It Truly Effective?. <i>Frontiers in Endocrinology</i> , 2019, 10, 520.	3.5	21
68	Cryopreservation of ovine primordial follicles using dimethyl sulfoxide*1. <i>Fertility and Sterility</i> , 2003, 79, 682-686.	1.0	20
69	Permeability of ovine primordial follicles to different cryoprotectants. <i>Fertility and Sterility</i> , 2006, 85, 1077-1081.	1.0	20
70	Ovarian extracellular matrix-based hydrogel for human ovarian follicle survival in vivo: A pilot work. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2022, 110, 1012-1022.	3.4	20
71	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, 1251-1262.	2.5	19
72	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.	1.2	18

#	ARTICLE	IF	CITATIONS
73	Ovarian tissue cryopreservation by stepped vitrification and monitored by X-ray computed tomography. <i>Cryobiology</i> , 2018, 81, 17-26.	0.7	18
74	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.	2.4	18
75	Cryopreservation and short-term culture of isolated caprine primordial follicles. <i>Small Ruminant Research</i> , 2005, 56, 103-111.	1.2	16
76	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.	2.8	16
77	Effect of sectioning on the number of isolated ovine preantral follicles. <i>Small Ruminant Research</i> , 2000, 37, 269-277.	1.2	15
78	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.	2.5	15
79	Culture of domestic cat ovarian tissue in vitro and in the chick embryo chorioallantoic membrane. <i>Theriogenology</i> , 2016, 86, 1774-1781.	2.1	15
80	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, 2980.	2.4	14
81	Cryopreservation of Sheep Primordial Follicles. <i>Reproduction in Domestic Animals</i> , 2007, 42, 53-57.	1.4	13
82	Trolox enhances follicular survival after ovarian tissue autograft in squirrel monkey (<i>Saimiri</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf, 50 382 T	0.4	13
83	Impact of perinatal bisphenol A and 17 β estradiol exposure: Comparing hormone receptor response. <i>Ecotoxicology and Environmental Safety</i> , 2020, 188, 109918.	6.0	13
84	<i>In vitro</i> differentiation of theca cells from ovarian cells isolated from postmenopausal women. <i>Human Reproduction</i> , 2020, 35, 2793-2807.	0.9	13
85	Short term maintenance of sheep preantral follicles in situ in 0.9% saline and Braun's Collins solution. <i>Small Ruminant Research</i> , 2001, 41, 141-149.	1.2	11
86	In Vitro Culture of Cryopreserved Caprine Ovarian Tissue Pieces And Isolated Follicles. <i>Cell Preservation Technology</i> , 2006, 4, 290-298.	0.6	11
87	Effects of Storing Pig Ovaries at 4 or 20 $^{\circ}$ 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.	1.4	11
88	Gene expression in human ovarian tissue after xenografting. <i>Molecular Human Reproduction</i> , 2014, 20, 514-525.	2.8	11
89	Ovarian tissue transportation: a systematic review. <i>Reproductive BioMedicine Online</i> , 2021, 42, 351-365.	2.4	11
90	Formation and activation induction of primordial follicles using granulosa and cumulus cells conditioned media. <i>Journal of Cellular Physiology</i> , 2019, 234, 10148-10156.	4.1	10

#	ARTICLE	IF	CITATIONS
91	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.	2.5	9
92	From isolation of human ovarian follicles to the artificial ovary: tips and tricks. <i>Minerva Obstetrics and Gynecology</i> , 2018, 70, 444-455.	1.0	9
93	Evaluation of PEGylated fibrin as a three-dimensional biodegradable scaffold for ovarian tissue engineering. <i>Materials Today Chemistry</i> , 2021, 22, 100626.	3.5	9
94	Safety of Lavender Oil-Loaded Niosomes for In Vitro Culture and Biomedical Applications. <i>Nanomaterials</i> , 2022, 12, 1999.	4.1	9
95	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.	2.1	8
96	Perinatal exposure to bisphenol A impacts in the mammary gland morphology of adult Mongolian gerbils. <i>Experimental and Molecular Pathology</i> , 2020, 113, 104374.	2.1	8
97	Assessing and validating housekeeping genes in normal, cancerous, and polycystic human ovaries. <i>Journal of Assisted Reproduction and Genetics</i> , 2020, 37, 2545-2553.	2.5	8
98	NLRP3 inflammasome: A joint, potential therapeutic target in management of COVID-19 and fertility problems. <i>Journal of Reproductive Immunology</i> , 2021, 148, 103427.	1.9	8
99	Isolamento mecânico de folículos ovarianos prÃ©-antrais em cabras. <i>Ciencia Rural</i> , 1998, 28, 477-482.	0.5	7
100	Preliminary study of short-term preservation of ovine ovarian tissue containing preantral follicles in saline solution or TCM199. <i>Veterinary Record</i> , 2002, 151, 452-453.	0.3	7
101	Preservation of goat preantral follicles enclosed in ovarian tissue in saline or TCM 199 solutions. <i>Small Ruminant Research</i> , 2005, 58, 189-193.	1.2	7
102	Function of Cryopreserved Cat Ovarian Tissue after Autotransplantation. <i>Animals</i> , 2019, 9, 1065.	2.3	7
103	Long-term follow-up of vitrified and autografted baboon (<i>Papio anubis</i>) ovarian tissue. <i>Human Reproduction</i> , 2019, 34, 323-334.	0.9	7
104	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.	1.0	7
105	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.	2.6	7
106	Proteome-wide and matrisome-specific atlas of the human ovary computes fertility biomarker candidates and open the way for precision oncofertility. <i>Matrix Biology</i> , 2022, 109, 91-120.	3.6	7
107	Vaginal Administration of Contraceptives. <i>Scientia Pharmaceutica</i> , 2021, 89, 3.	2.0	6
108	Isolation and characterization of the human ovarian cell population for transplantation into an artificial ovary. <i>Animal Reproduction</i> , 2019, 16, 39-44.	1.0	6

#	ARTICLE	IF	CITATIONS
109	The Human Ovary and Future of Fertility Assessment in the Post-Genome Era. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4209.	4.1	5
110	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, 9141.	4.1	5
111	Artificial ovary. , 0, , 448-458.		4
112	Mitochondrial content, activity, and morphology in prepubertal and adult human ovaries. <i>Journal of Assisted Reproduction and Genetics</i> , 2021, 38, 2581-2590.	2.5	4
113	Folículos primários caprinos isolados mecanicamente em diferentes estágios reprodutivos e parâmetros morfológicos ovarianos. <i>Ciencia Rural</i> , 1998, 28, 471-476.	0.5	3
114	Preantral follicular development in Massese lambs born during two seasons of the year. <i>Small Ruminant Research</i> , 2005, 57, 277-280.	1.2	3
115	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.	2.5	3
116	Cryopreservation of Preantral Follicles. , 0, , .		3
117	Immunodetection and quantification of enzymatic markers in theca cells: the early process of ovarian steroidogenesis. <i>Biology of Reproduction</i> , 2019, 102, 145-155.	2.7	3
118	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.	2.5	3
119	Isolation and characterization of the human ovarian cell population for transplantation into an artificial ovary. <i>Animal Reproduction</i> , 2020, 16, 39-44.	1.0	3
120	Permeability Characteristics of Ovine Primordial Follicles Calculated with Two Parameter Kedem-Katchalsky Formulation. <i>Cell Preservation Technology</i> , 2006, 4, 188-198.	0.6	2
121	Artificial Ovary. , 2016, , 175-192.		2
122	Modulating hypoxia and oxidative stress in human xenografts using adipose tissue-derived stem cells. <i>F&S Science</i> , 2021, 2, 141-152.	0.9	2
123	#ESHREjc report: Is OTO-IVM the future fertility preservation alternative for urgent cancer patients?. <i>Human Reproduction</i> , 2021, 36, 2631-2633.	0.9	2
124	What are my options? Fertility preservation methods for young girls and women. <i>Fertility and Sterility</i> , 2022, , .	1.0	2
125	A Review on Biomaterials for Ovarian Tissue Engineering. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
126	How do adipose tissue-derived stem cells boost vascularization and increase follicle survival in xenografted human ovarian tissue?. <i>Fertility and Sterility</i> , 2018, 110, e74.	1.0	0

#	ARTICLE	IF	CITATIONS
127	InÂvitro culture of ovarian preantral follicles: a promising alternative for preserving fertility in cancer patients. <i>Fertility and Sterility</i> , 2018, 110, 1041-1042.	1.0	0
128	Safety of Ovarian Tissue Transplantation in Patients With Borderline Ovarian Tumors. <i>Obstetrical and Gynecological Survey</i> , 2018, 73, 282-283.	0.4	0
129	The Artificial Ovary. , 2021, , 381-393.		0
130	Survival of Primordial Follicles. , 2021, , 364-380.		0
131	O-192 Modulating hypoxia and oxidative stress in human ovarian tissue xenografts using adipose tissue-derived stem cells. <i>Human Reproduction</i> , 2021, 36, .	0.9	0