

# Thomas W. Kelsey

## List of Publications by Year in descending order

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Version: 2024-02-01

90  
papers

6,160  
citations

159585

30  
h-index

71685

76  
g-index

97  
all docs

97  
docs citations

97  
times ranked

5451  
citing authors

#	ARTICLE	IF	CITATIONS
1	The physiology and clinical utility of anti-Müllerian hormone in women. <i>Human Reproduction Update</i> , 2014, 20, 370-385.	10.8	722
2	Human Ovarian Reserve from Conception to the Menopause. <i>PLoS ONE</i> , 2010, 5, e8772.	2.5	590
3	The radiosensitivity of the human oocyte. <i>Human Reproduction</i> , 2003, 18, 117-121.	0.9	583
4	Predicting age of ovarian failure after radiation to a field that includes the ovaries. <i>International Journal of Radiation Oncology Biology Physics</i> , 2005, 62, 738-744.	0.8	560
5	A Validated Model of Serum Anti-Müllerian Hormone from Conception to Menopause. <i>PLoS ONE</i> , 2011, 6, e22024.	2.5	360
6	Which follicles make the most anti-Müllerian hormone in humans? Evidence for an abrupt decline in AMH production at the time of follicle selection. <i>Molecular Human Reproduction</i> , 2013, 19, 519-527.	2.8	283
7	Cancer treatment and gonadal function: experimental and established strategies for fertility preservation in children and young adults. <i>Lancet Diabetes and Endocrinology</i> , 2015, 3, 556-567.	11.4	242
8	Can Anti-Müllerian Hormone Predict the Diagnosis of Polycystic Ovary Syndrome? A Systematic Review and Meta-Analysis of Extracted Data. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013, 98, 3332-3340.	3.6	230
9	The predictive accuracy of anti-Müllerian hormone for live birth after assisted conception: a systematic review and meta-analysis of the literature. <i>Human Reproduction Update</i> , 2014, 20, 560-570.	10.8	204
10	Fertility preservation for girls and young women with cancer: population-based validation of criteria for ovarian tissue cryopreservation. <i>Lancet Oncology</i> , 2014, 15, 1129-1136.	10.7	196
11	The impact of cancer on subsequent chance of pregnancy: a population-based analysis. <i>Human Reproduction</i> , 2018, 33, 1281-1290.	0.9	165
12	Ovarian reserve and reproductive age may be determined from measurement of ovarian volume by transvaginal sonography. <i>Human Reproduction</i> , 2004, 19, 1612-1617.	0.9	135
13	Pretreatment anti-Müllerian hormone predicts for loss of ovarian function after chemotherapy for early breast cancer. <i>European Journal of Cancer</i> , 2013, 49, 3404-3411.	2.8	108
14	A Validated Age-Related Normative Model for Male Total Testosterone Shows Increasing Variance but No Decline after Age 40 Years. <i>PLoS ONE</i> , 2014, 9, e109346.	2.5	101
15	Fertility preservation in pre-pubertal girls with cancer: the role of ovarian tissue cryopreservation. <i>Fertility and Sterility</i> , 2016, 105, 6-12.	1.0	100
16	Data-driven assessment of the human ovarian reserve. <i>Molecular Human Reproduction</i> , 2012, 18, 79-87.	2.8	93
17	Concentration of perfluorinated compounds and cotinine in human foetal organs, placenta, and maternal plasma. <i>Science of the Total Environment</i> , 2017, 596-597, 97-105.	8.0	87
18	Anti-Müllerian hormone serum concentrations of women with germline BRCA1 or BRCA2 mutations. <i>Human Reproduction</i> , 2016, 31, 1126-1132.	0.9	84

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19	Accuracy of circulating adiponectin for predicting gestational diabetes: a systematic review and meta-analysis. <i>Diabetologia</i> , 2016, 59, 692-699.	6.3	82
20	Follicle Size on Day of Trigger Most Likely to Yield a Mature Oocyte. <i>Frontiers in Endocrinology</i> , 2018, 9, 193.	3.5	78
21	Ovarian Volume throughout Life: A Validated Normative Model. <i>PLoS ONE</i> , 2013, 8, e71465.	2.5	72
22	External validation of nomogram for the decline in serum anti-Müllerian hormone in women: a population study of 15,834 infertility patients. <i>Reproductive BioMedicine Online</i> , 2011, 23, 204-206.	2.4	64
23	The Relationship Between Variation in Size of the Primordial Follicle Pool and Age at Natural Menopause. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015, 100, E845-E851.	3.6	62
24	Characterization of follicles in girls and young women with Turner syndrome who underwent ovarian tissue cryopreservation. <i>Fertility and Sterility</i> , 2019, 111, 1217-1225.e3.	1.0	60
25	Interpreting human follicular recruitment and anti-Müllerian hormone concentrations throughout life. <i>Fertility and Sterility</i> , 2012, 98, 1097-1102.	1.0	57
26	Anti-Müllerian hormone (AMH) in the Diagnosis of Menstrual Disturbance Due to Polycystic Ovarian Syndrome. <i>Frontiers in Endocrinology</i> , 2019, 10, 656.	3.5	38
27	Groups and Constraints: Symmetry Breaking during Search. <i>Lecture Notes in Computer Science</i> , 2002, , 415-430.	1.3	38
28	Clinical parameters of ovarian hyperstimulation syndrome following different hormonal triggers of oocyte maturation in IVF treatment. <i>Clinical Endocrinology</i> , 2018, 88, 920-927.	2.4	36
29	Clinical and biochemical discriminants between functional hypothalamic amenorrhoea (FHA) and polycystic ovary syndrome (PCOS). <i>Clinical Endocrinology</i> , 2021, 95, 239-252.	2.4	36
30	Generic SBDD Using Computational Group Theory. <i>Lecture Notes in Computer Science</i> , 2003, , 333-347.	1.3	35
31	Perinatal complications in female survivors of cancer: a systematic review and meta-analysis. <i>European Journal of Cancer</i> , 2019, 111, 126-137.	2.8	35
32	Non-growing follicle density is increased following adriamycin, bleomycin, vinblastine and dacarbazine (ABVD) chemotherapy in the adult human ovary. <i>Human Reproduction</i> , 2017, 32, 165-174.	0.9	31
33	Effect of first line cancer treatment on the ovarian reserve and follicular density in girls under the age of 18 years. <i>Fertility and Sterility</i> , 2016, 106, 1757-1762.e1.	1.0	29
34	Micro-dose hCG as luteal phase support without exogenous progesterone administration: mathematical modelling of the hCG concentration in circulation and initial clinical experience. <i>Journal of Assisted Reproduction and Genetics</i> , 2016, 33, 1311-1318.	2.5	29
35	Cryopreservation of ovarian tissue may be considered in young girls with galactosemia. <i>Journal of Assisted Reproduction and Genetics</i> , 2018, 35, 1209-1217.	2.5	28
36	Follicle Stimulating Hormone is an accurate predictor of azoospermia in childhood cancer survivors. <i>PLoS ONE</i> , 2017, 12, e0181377.	2.5	27

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37	An externally validated age-related model of mean follicle density in the cortex of the human ovary. <i>Journal of Assisted Reproduction and Genetics</i> , 2015, 32, 1089-1095.	2.5	25
38	A Validated Normative Model for Human Uterine Volume from Birth to Age 40 Years. <i>PLoS ONE</i> , 2016, 11, e0157375.	2.5	25
39	Ovarian Volume Correlates Strongly with the Number of Nongrowing Follicles in the Human Ovary. <i>Obstetrics and Gynecology International</i> , 2012, 2012, 1-5.	1.3	24
40	A Normative Model of Serum Inhibin B in Young Males. <i>PLoS ONE</i> , 2016, 11, e0153843.	2.5	23
41	The monoids of orders eight, nine & ten. <i>Annals of Mathematics and Artificial Intelligence</i> , 2009, 56, 3-21.	1.3	21
42	Computer Algebra Meets Automated Theorem Proving: Integrating Maple and PVS. <i>Lecture Notes in Computer Science</i> , 2001, , 27-42.	1.3	20
43	The physiology and clinical utility of anti-Müllerian hormone in women. <i>Human Reproduction Update</i> , 2014, 20, 804-804.	10.8	19
44	Endocrine Requirements for Oocyte Maturation Following hCG, GnRH Agonist, and Kisspeptin During IVF Treatment. <i>Frontiers in Endocrinology</i> , 2020, 11, 537205.	3.5	18
45	Shortcomings of an unphysiological triggering of oocyte maturation using human chorionic gonadotropin. <i>Fertility and Sterility</i> , 2020, 114, 200-208.	1.0	18
46	Ovarian cryopreservation: experimental or established and a cure for the menopause?. <i>Reproductive BioMedicine Online</i> , 2012, 25, 93-95.	2.4	17
47	Performance of plasma kisspeptin as a biomarker for miscarriage improves with gestational age during the first trimester. <i>Fertility and Sterility</i> , 2021, 116, 809-819.	1.0	17
48	MapMySmoke: feasibility of a new quit cigarette smoking mobile phone application using integrated geo-positioning technology, and motivational messaging within a primary care setting. <i>Pilot and Feasibility Studies</i> , 2018, 4, 19.	1.2	16
49	FSH Requirements for Follicle Growth During Controlled Ovarian Stimulation. <i>Frontiers in Endocrinology</i> , 2019, 10, 579.	3.5	16
50	Individual ovarian volumes obtained from 2-dimensional and 3-dimensional ultrasound lack precision. <i>Reproductive BioMedicine Online</i> , 2009, 18, 348-351.	2.4	15
51	Lightweight formal methods for computer algebra systems. , 1998, , .		13
52	Survival after breast cancer in women with a subsequent live birth: Influence of age at diagnosis and interval to subsequent pregnancy. <i>European Journal of Cancer</i> , 2022, 173, 113-122.	2.8	13
53	Ovarian reserve and reproductive age may be determined from measurement of ovarian volume by transvaginal sonography. <i>Human Reproduction</i> , 2005, 20, 1114-1115.	0.9	12
54	Pharmacodynamic Response to Anti-thyroid Drugs in Graves' Hyperthyroidism. <i>Frontiers in Endocrinology</i> , 2020, 11, 286.	3.5	12

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55	Changes in Circulating Kisspeptin Levels During Each Trimester in Women With Antenatal Complications. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2022, 107, e71-e83.	3.6	11
56	Family size and duration of fertility in female cancer survivors: a population-based analysis. <i>Fertility and Sterility</i> , 2022, 117, 387-395.	1.0	11
57	Proliferating cell nuclear antigen (PCNA) allows the automatic identification of follicles in microscopic images of human ovarian tissue. <i>Pathology and Laboratory Medicine International</i> , 0, , 99.	0.2	9
58	New Developments in Symmetry Breaking in Search Using Computational Group Theory. <i>Lecture Notes in Computer Science</i> , 2004, , 199-210.	1.3	9
59	The Semigroups of Order 10. <i>Lecture Notes in Computer Science</i> , 2012, , 883-899.	1.3	9
60	A controlled pilot trial of a nurse-led intervention (Mini-AFTERc) to manage fear of cancer recurrence in patients affected by breast cancer. <i>Pilot and Feasibility Studies</i> , 2020, 6, 60.	1.2	8
61	The semigroups of order 9 and their automorphism groups. <i>Semigroup Forum</i> , 2014, 88, 93-112.	0.6	7
62	Design Verification for Control Engineering. <i>Lecture Notes in Computer Science</i> , 2004, , 21-35.	1.3	7
63	eHealth Governance, A Key Factor for Better Health Care. , 2011, , 72-92.		7
64	Hidden verification for computational mathematics. <i>Journal of Symbolic Computation</i> , 2005, 39, 539-567.	0.8	5
65	How mechanistic in silico modelling can improve our understanding of TB disease and treatment. <i>International Journal of Tuberculosis and Lung Disease</i> , 2020, 24, 1145-1150.	1.2	5
66	The Monoids of Order Eight and Nine. <i>Lecture Notes in Computer Science</i> , 2008, , 61-76.	1.3	5
67	Casimir forces for inhomogeneous planar media. <i>Journal of Physics: Conference Series</i> , 2013, 410, 012165.	0.4	4
68	Qualitative modelling via constraint programming. <i>Constraints</i> , 2014, 19, 163-173.	0.7	4
69	Representation learning for minority and subtle activities in a smart home environment. <i>Journal of Ambient Intelligence and Smart Environments</i> , 2019, 11, 495-513.	1.4	4
70	Editorial: Ovarian Ageing: Pathophysiology and Recent Development of Maintaining Ovarian Reserve. <i>Frontiers in Endocrinology</i> , 2020, 11, 591764.	3.5	4
71	Efficient identification of patients eligible for clinical studies using case-based reasoning on Scottish Health Research register (SHARE). <i>BMC Medical Informatics and Decision Making</i> , 2020, 20, 70.	3.0	4
72	Formal methods for extensions to CAS. <i>Lecture Notes in Computer Science</i> , 1999, , 1758-1777.	1.3	4

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73	Diagnostic and predictive accuracy of anti-mullerian hormone for ovarian function after chemotherapy in premenopausal women with early breast cancer. Breast Cancer Research and Treatment, 2022, 192, 273-282.	2.5	4
74	Proliferating Cell Nuclear Antigen (PCNA) allows the automatic identification of follicles in microscopic images of human ovarian tissue. Nature Precedings, 0, , .	0.1	3
75	Adult dental anxiety: recent assessment approaches and psychological management in a dental practice setting. Dental Update, 2016, 43, 388-394.	0.2	3
76	Development, acceptability and feasibility of a communication skills training package for therapeutic radiographers to reduce fear of recurrence development in breast cancer patients (FORECAST2). Pilot and Feasibility Studies, 2018, 4, 148.	1.2	3
77	Representation Learning for Minority and Subtle Activities in a Smart Home Environment. , 2019, , .		3
78	Anti-Müllerian Hormone Serum Concentrations of Women With Germline BRCA1 or BRCA2 Mutations. Obstetrical and Gynecological Survey, 2016, 71, 474-475.	0.4	2
79	Exact Closest String as a Constraint Satisfaction Problem. Procedia Computer Science, 2011, 4, 1062-1071.	2.0	1
80	Web-Scale Distributed eScience AI Search across Disconnected and Heterogeneous Infrastructures. , 2014, , .		1
81	Symmetry and Consistency. Lecture Notes in Computer Science, 2005, , 271-285.	1.3	1
82	eHealth Governance in Scotland: A Cross-Sectoral and Cross-National Comparison. , 2013, , 299-327.		1
83	Machine science in biomedicine: Practicalities, pitfalls and potential. , 2010, , .		0
84	A normative model of Inhibin B in young males. Maturitas, 2015, 81, 128.	2.4	0
85	Effect of First Line Cancer Treatment on the Ovarian Reserve and Follicular Density in Girls Under the Age of 18 Years. Obstetrical and Gynecological Survey, 2017, 72, 171-172.	0.4	0
86	OR20-06 Kisspeptin as a Biomarker for Pregnancy Complications. Journal of the Endocrine Society, 2020, 4, .	0.2	0
87	The Effect of Radiotherapy on the Human Reproductive System. , 2021, , 18-24.		0
88	Recombinant FSH dosing during controlled ovarian stimulation in IVF treatment. Endocrine Abstracts, 0, , .	0.0	0
89	Kisspeptin as a novel biomarker for pregnancy complications. Endocrine Abstracts, 0, , .	0.0	0
90	Kisspeptin as a biomarker for pregnancy complications. Endocrine Abstracts, 0, , .	0.0	0