

Kay T Elder

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

3,145
citations

230014

27
h-index

312153

41
g-index

59
all docs

59
docs citations

59
times ranked

4171
citing authors

#	ARTICLE	IF	CITATIONS
1	Modulating oxidative stress and epigenetic homeostasis in preimplantation IVF embryos. <i>Zygote</i> , 2022, 30, 149-158.	0.5	5
2	Folic Acid, Folinic Acid, 5 Methyl TetraHydroFolate Supplementation for Mutations That Affect Epigenesis through the Folate and One-Carbon Cycles. <i>Biomolecules</i> , 2022, 12, 197.	1.8	49
3	Mechanism of spindle pole organization and instability in human oocytes. <i>Science</i> , 2022, 375, eabj3944.	6.0	55
4	Are UMFA (unâ€metabolized folic acid) and endocrine disruptor chemicals (EDCs) coâ€responsible for sperm degradation? An epigenetic/methylation perspective. <i>Andrologia</i> , 2022, 54, e14400.	1.0	5
5	Parental genome unification is highly error-prone in mammalian embryos. <i>Cell</i> , 2021, 184, 2860-2877.e22.	13.5	89
6	A single cell characterisation of human embryogenesis identifies pluripotency transitions and putative anterior hypoblast centre. <i>Nature Communications</i> , 2021, 12, 3679.	5.8	63
7	Epigenetic remodeling of chromatin in human ART: addressing deficiencies in culture media. <i>Journal of Assisted Reproduction and Genetics</i> , 2020, 37, 1781-1788.	1.2	8
8	Initiation of a conserved trophectoderm program in human, cow and mouse embryos. <i>Nature</i> , 2020, 587, 443-447.	13.7	162
9	Methylation: An Ineluctable Biochemical and Physiological Process Essential to the Transmission of Life. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9311.	1.8	23
10	IGF1-mediated human embryonic stem cell self-renewal recapitulates the embryonic niche. <i>Nature Communications</i> , 2020, 11, 764.	5.8	41
11	Meiotic Kinetochores Fragment into Multiple Lobes upon Cohesin Loss in Aging Eggs. <i>Current Biology</i> , 2019, 29, 3749-3765.e7.	1.8	65
12	Chromosome errors in human eggs shape natural fertility over reproductive life span. <i>Science</i> , 2019, 365, 1466-1469.	6.0	239
13	First Stages of Development. , 2019, , 97-119.		0
14	Stem Cell Biology. , 2019, , 135-155.		0
15	The Clinical In-Vitro Fertilization Laboratory. , 2019, , 156-179.		0
16	Oocyte Retrieval and Embryo Culture. , 2019, , 213-253.		0
17	Epigenetics and Human Assisted Reproduction. , 2019, , 331-357.		0
18	Review of Cell and Molecular Biology. , 2019, , 1-39.		0

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19	The negative impact of the environment on methylation/epigenetic marking in gametes and embryos: A plea for action to protect the fertility of future generations. <i>Molecular Reproduction and Development</i> , 2019, 86, 1273-1282.	1.0	30
20	Time to re-evaluate ART protocols in the light of advances in knowledge about methylation and epigenetics: an opinion paper. <i>Human Fertility</i> , 2018, 21, 156-162.	0.7	11
21	Genome editing reveals a role for OCT4 in human embryogenesis. <i>Nature</i> , 2017, 550, 67-73.	13.7	315
22	Isolation and expression of the human gametocyte-specific factor 1 gene (GTSF1) in fetal ovary, oocytes, and preimplantation embryos. <i>Journal of Assisted Reproduction and Genetics</i> , 2017, 34, 23-31.	1.2	10
23	Oxidative stress and alterations in DNA methylation: two sides of the same coin in reproduction. <i>Reproductive BioMedicine Online</i> , 2016, 33, 668-683.	1.1	174
24	The Oldham Notebooks: an analysis of the development of IVF 1969-1978. II. The treatment cycles and their outcomes. <i>Reproductive Biomedicine and Society Online</i> , 2015, 1, 9-18.	0.9	38
25	The Oldham Notebooks: an analysis of the development of IVF 1969-1978. VI. Sources of support and patterns of expenditure. <i>Reproductive Biomedicine and Society Online</i> , 2015, 1, 58-70.	0.9	17
26	The Oldham Notebooks: an analysis of the development of IVF 1969-1978. V. The role of Jean Purdy reassessed. <i>Reproductive Biomedicine and Society Online</i> , 2015, 1, 46-57.	0.9	17
27	Error-prone chromosome-mediated spindle assembly favors chromosome segregation defects in human oocytes. <i>Science</i> , 2015, 348, 1143-1147.	6.0	242
28	The oviduct: a neglected organ due for re-assessment in IVF. <i>Reproductive BioMedicine Online</i> , 2015, 30, 233-240.	1.1	34
29	The Oldham Notebooks: an analysis of the development of IVF 1969-1978. I. Introduction, materials and methods. <i>Reproductive Biomedicine and Society Online</i> , 2015, 1, 3-8.	0.9	15
30	The Oldham Notebooks: an analysis of the development of IVF 1969-1978. III. Variations in procedures. <i>Reproductive Biomedicine and Society Online</i> , 2015, 1, 19-33.	0.9	20
31	Deoxyribonucleic acid methylation profiling of single human blastocysts by methylated CpG-island amplification coupled with CpG-island microarray. <i>Fertility and Sterility</i> , 2015, 103, 1566-1571.e4.	0.5	0
32	Link Between Increased Prevalence of Autism Spectrum Disorder Syndromes and Oxidative Stress, DNA Methylation, and Imprinting. <i>JAMA Pediatrics</i> , 2015, 169, 1066.	3.3	32
33	The Oldham Notebooks: an analysis of the development of IVF 1969-1978. IV. Ethical aspects. <i>Reproductive Biomedicine and Society Online</i> , 2015, 1, 34-45.	0.9	31
34	Defining the three cell lineages of the human blastocyst by single-cell RNA-seq. <i>Development (Cambridge)</i> , 2015, 142, 3151-65.	1.2	343
35	Sister kinetochore splitting and precocious disintegration of bivalents could explain the maternal age effect. <i>ELife</i> , 2015, 4, e11389.	2.8	102
36	New insights into human pre-implantation metabolism in vivo and in vitro. <i>Journal of Assisted Reproduction and Genetics</i> , 2013, 30, 293-303.	1.2	54

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37	Variable imprinting of the MEST gene in human preimplantation embryos. <i>European Journal of Human Genetics</i> , 2013, 21, 40-47.	1.4	39
38	Embryos under surveillance!. <i>Reproductive BioMedicine Online</i> , 2012, 25, 337-338.	1.1	0
39	Culture Systems: Embryo Co-Culture. , 2012, 912, 231-247.		7
40	Human hypoblast formation is not dependent on FGF signalling. <i>Developmental Biology</i> , 2012, 361, 358-363.	0.9	208
41	Quantitative analysis of DNA methylation of imprinted genes in single human blastocysts by pyrosequencing. <i>Fertility and Sterility</i> , 2011, 95, 2564-2567.e8.	0.5	12
42	Egg sharing for assisted conception: a window on oocyte quality. <i>Reproductive BioMedicine Online</i> , 2011, 22, 88-93.	1.1	14
43	Autism, imprinting and epigenetic disorders: a metabolic syndrome linked to anomalies in homocysteine recycling starting in early life??. <i>Journal of Assisted Reproduction and Genetics</i> , 2011, 28, 1143-1145.	1.2	23
44	Epigenetics and assisted reproduction. , 2010, , 252-267.		1
45	Association between amino acid turnover and chromosome aneuploidy during human preimplantation embryo development in vitro. <i>Molecular Human Reproduction</i> , 2010, 16, 557-569.	1.3	99
46	DNA methylation and gene expression in IVF. <i>Reproductive BioMedicine Online</i> , 2010, 20, 709-710.	1.1	31
47	Length of Androgen Receptor-CAG Repeats in Fertile and Infertile Egyptian Men. <i>Journal of Andrology</i> , 2009, 30, 416-425.	2.0	25
48	Soluble HLA-G release by the human embryo: an interesting artefact?. <i>Reproductive BioMedicine Online</i> , 2006, 13, 763-764.	1.1	45
49	Oocyte number per live birth in IVF: were Steptoe and Edwards less wasteful?. <i>Human Reproduction</i> , 2005, 20, 588-592.	0.4	80
50	Cytoplasmic transfer in oocytes: biochemical aspects. <i>Human Reproduction Update</i> , 2004, 10, 241-250.	5.2	38
51	Alpha Page. <i>Journal of Assisted Reproduction and Genetics</i> , 2004, 21, 63-64.	1.2	0
52	Oocyte retrieval and embryo culture. , 0, , 157-190.		1
53	The IVF culture system. , 0, , 28-43.		1
54	Preimplantation embryo development. , 0, , 117-136.		1

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55	First stages of development. , 0, , 64-81.		0