

# Karen Sermon

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3502365/publications.pdf>

Version: 2024-02-01

30  
papers

1,168  
citations

567281

15  
h-index

454955

30  
g-index

32  
all docs

32  
docs citations

32  
times ranked

1408  
citing authors

#	ARTICLE	IF	CITATIONS
1	Myotonic dystrophy type 1 embryonic stem cells show decreased myogenic potential, increased CpG methylation at the <i>DMPK</i> locus and RNA mis-splicing. <i>Biology Open</i> , 2022, 11, .	1.2	8
2	Impaired catabolism of free oligosaccharides due to <i>MAN2C1</i> variants causes a neurodevelopmental disorder. <i>American Journal of Human Genetics</i> , 2022, 109, 345-360.	6.2	4
3	Mitochondrial DNA variants segregate during human preimplantation development into genetically different cell lineages that are maintained postnatally. <i>Human Molecular Genetics</i> , 2022, 31, 3629-3642.	2.9	2
4	On the origins and fate of chromosomal abnormalities in human preimplantation embryos: an unsolved riddle. <i>Molecular Human Reproduction</i> , 2022, 28, .	2.8	12
5	<i>MSH2</i> knock-down shows CTG repeat stability and concomitant upstream demethylation at the <i>DMPK</i> locus in myotonic dystrophy type 1 human embryonic stem cells. <i>Human Molecular Genetics</i> , 2021, 29, 3566-3577.	2.9	4
6	Endogenous suppression of WNT signalling in human embryonic stem cells leads to low differentiation propensity towards definitive endoderm. <i>Scientific Reports</i> , 2021, 11, 6137.	3.3	6
7	Uncovering low-level mosaicism in human embryonic stem cells using high throughput single cell shallow sequencing. <i>Scientific Reports</i> , 2019, 9, 14844.	3.3	12
8	Iodine Dose of Administered Contrast Media Affects the Level of Radiation-Induced DNA Damage During Cardiac CT Scans. <i>American Journal of Roentgenology</i> , 2019, 213, 404-409.	2.2	7
9	Detection of Heteroplasmic Variants in the Mitochondrial Genome through Massive Parallel Sequencing. <i>Bio-protocol</i> , 2019, 9, e3283.	0.4	6
10	Genetic and epigenetic factors which modulate differentiation propensity in human pluripotent stem cells. <i>Human Reproduction Update</i> , 2018, 24, 162-175.	10.8	39
11	In silico discovery of a <i>FOXM1</i> driven embryonal signaling pathway in therapy resistant neuroblastoma tumors. <i>Scientific Reports</i> , 2018, 8, 17468.	3.3	11
12	Preimplantation genetic testing for aneuploidy by microarray analysis of polar bodies in advanced maternal age: a randomized clinical trial. <i>Human Reproduction</i> , 2018, 33, 1767-1776.	0.9	113
13	Random Mutagenesis, Clonal Events, and Embryonic or Somatic Origin Determine the mtDNA Variant Type and Load in Human Pluripotent Stem Cells. <i>Stem Cell Reports</i> , 2018, 11, 102-114.	4.8	23
14	CpG Methylation, a Parent-of-Origin Effect for Maternal-Biased Transmission of Congenital Myotonic Dystrophy. <i>American Journal of Human Genetics</i> , 2017, 100, 488-505.	6.2	74
15	Adjuncts in the IVF laboratory: where is the evidence for add-on™ interventions?. <i>Human Reproduction</i> , 2017, 32, 485-491.	0.9	123
16	Accurate and comprehensive analysis of single nucleotide variants and large deletions of the human mitochondrial genome in DNA and single cells. <i>European Journal of Human Genetics</i> , 2017, 25, 1229-1236.	2.8	16
17	Novel technologies emerging for preimplantation genetic diagnosis and preimplantation genetic testing for aneuploidy. <i>Expert Review of Molecular Diagnostics</i> , 2017, 17, 71-82.	3.1	35
18	A High Proliferation Rate is Critical for Reproducible and Standardized Embryoid Body Formation from Laminin-521-Based Human Pluripotent Stem Cell Cultures. <i>Stem Cell Reviews and Reports</i> , 2016, 12, 721-730.	5.6	8

#	ARTICLE	IF	CITATIONS
19	The why, the how and the when of PGS 2.0: current practices and expert opinions of fertility specialists, molecular biologists, and embryologists. <i>Molecular Human Reproduction</i> , 2016, 22, 845-857.	2.8	116
20	Preimplantation genetic screening 2.0: the theory. <i>Molecular Human Reproduction</i> , 2016, 22, 839-844.	2.8	85
21	Higher-Density Culture in Human Embryonic Stem Cells Results in DNA Damage and Genome Instability. <i>Stem Cell Reports</i> , 2016, 6, 330-341.	4.8	72
22	Concurrent Whole-Genome Haplotyping and Copy-Number Profiling of Single Cells. <i>American Journal of Human Genetics</i> , 2015, 96, 894-912.	6.2	110
23	The Role of D4Z4-Encoded Proteins in the Osteogenic Differentiation of Mesenchymal Stromal Cells Isolated from Bone Marrow. <i>Stem Cells and Development</i> , 2015, 24, 2674-2686.	2.1	10
24	Current issues in medically assisted reproduction and genetics in Europe: research, clinical practice, ethics, legal issues and policy. <i>Human Reproduction</i> , 2014, 29, 1603-1609.	0.9	57
25	Human embryonic stem cells show low-grade microsatellite instability. <i>Molecular Human Reproduction</i> , 2014, 20, 981-989.	2.8	10
26	FGF signaling via MAPK is required early and improves Activin A-induced definitive endoderm formation from human embryonic stem cells. <i>Biochemical and Biophysical Research Communications</i> , 2012, 426, 380-385.	2.1	30
27	Preimplantation genetic diagnosis (PGD), a collaborative activity of clinical genetic departments and IVF centres. <i>Prenatal Diagnosis</i> , 2001, 21, 1086-1092.	2.3	31
28	Embryo implantation after biopsy of one or two cells from cleavage-stage embryos with a view to preimplantation genetic diagnosis. <i>Prenatal Diagnosis</i> , 2000, 20, 1030-1037.	2.3	120
29	Two pregnancies after preimplantation genetic diagnosis for osteogenesis imperfecta type I and type IV. <i>Human Genetics</i> , 2000, 106, 605-613.	3.8	8
30	Two pregnancies after preimplantation genetic diagnosis for osteogenesis imperfecta type I and type IV. <i>Human Genetics</i> , 2000, 106, 605-613.	3.8	16