

# Susan J Kimber

## List of Publications by Year in descending order

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77  
papers

3,504  
citations

159585

30  
h-index

149698

56  
g-index

87  
all docs

87  
docs citations

87  
times ranked

5258  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pluripotent stem cells for skeletal tissue engineering. <i>Critical Reviews in Biotechnology</i> , 2022, 42, 774-793.	9.0	6
2	Kidney organoids recapitulate human basement membrane assembly in health and disease. <i>ELife</i> , 2022, 11, .	6.0	23
3	Hydrostatic pressure promotes chondrogenic differentiation and microvesicle release from human embryonic and bone marrow stem cells. <i>Biotechnology Journal</i> , 2022, 17, e2100401.	3.5	12
4	Trophectoderm differentiation to invasive syncytiotrophoblast is promoted by endometrial epithelial cells during human embryo implantation. <i>Human Reproduction</i> , 2022, 37, 777-792.	0.9	28
5	Developmental principles informing human pluripotent stem cell differentiation to cartilage and bone. <i>Seminars in Cell and Developmental Biology</i> , 2022, 127, 17-36.	5.0	11
6	Characterization of the mechanism by which a nonsense variant in <i>RYR2</i> leads to disordered calcium handling. <i>Physiological Reports</i> , 2022, 10, e15265.	1.7	7
7	SIRT1 activity orchestrates ECM expression during hESC chondrogenic differentiation. <i>FASEB Journal</i> , 2022, 36, e22314.	0.5	7
8	In situ Hybridization of miRNAs in Human Embryonic Kidney and Human Pluripotent Stem Cell-derived Kidney Organoids. <i>Bio-protocol</i> , 2021, 11, e4150.	0.4	0
9	The miR-199a/214 Cluster Controls Nephrogenesis and Vascularization in a Human Embryonic Stem Cell Model. <i>Stem Cell Reports</i> , 2021, 16, 134-148.	4.8	7
10	Regulation of TGF $\beta$ 2 Signalling by TRPV4 in Chondrocytes. <i>Cells</i> , 2021, 10, 726.	4.1	12
11	The expression and activity of Toll-like receptors in the preimplantation human embryo suggest a new role for innate immunity. <i>Human Reproduction</i> , 2021, 36, 2661-2675.	0.9	3
12	Towards Modelling Genetic Kidney Diseases with Human Pluripotent Stem Cells. <i>Nephron</i> , 2021, 145, 285-296.	1.8	8
13	Generation of Human-Induced Pluripotent Stem Cells From Anterior Cruciate Ligament. <i>Journal of Orthopaedic Research</i> , 2020, 38, 92-104.	2.3	14
14	Optogenetic Control of the BMP Signaling Pathway. <i>ACS Synthetic Biology</i> , 2020, 9, 3067-3078.	3.8	22
15	Protein O-GlcNAcylation Promotes Trophoblast Differentiation at Implantation. <i>Cells</i> , 2020, 9, 2246.	4.1	9
16	Modelling the developmental spliceosomal craniofacial disorder Burn-McKeown syndrome using induced pluripotent stem cells. <i>PLoS ONE</i> , 2020, 15, e0233582.	2.5	17
17	Emulating Human Tissues and Organs: A Bioprinting Perspective Toward Personalized Medicine. <i>Chemical Reviews</i> , 2020, 120, 11093-11139.	47.7	61
18	Aberrant Differentiation of Human Pluripotent Stem Cell-Derived Kidney Precursor Cells inside Mouse Vascularized Bioreactors. <i>Nephron</i> , 2020, 144, 509-524.	1.8	5

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19	The Transcription Factor-microRNA Regulatory Network during hESC-chondrogenesis. Scientific Reports, 2020, 10, 4744.	3.3	11
20	The effects of hyaluronate-containing medium on human embryo attachment to endometrial epithelial cells in vitro. Human Reproduction Open, 2020, 2020, hoz033.	5.4	18
21	A Preliminary Evaluation of the Pro-Chondrogenic Potential of 3D-Bioprinted Poly(ester Urea) Scaffolds. Polymers, 2020, 12, 1478.	4.5	9
22	A restricted spectrum of missense KMT2D variants cause a multiple malformations disorder distinct fromKabuki syndrome. Genetics in Medicine, 2020, 22, 867-877.	2.4	41
23	Formation of Mature Nephrons by Implantation of Human Pluripotent Stem Cell-Derived Progenitors into Mice. Methods in Molecular Biology, 2020, 2067, 309-322.	0.9	8
24	Embryonic Stem Cells. , 2020, , 315-365.		0
25	Title is missing!. , 2020, 15, e0233582.		0
26	Title is missing!. , 2020, 15, e0233582.		0
27	Title is missing!. , 2020, 15, e0233582.		0
28	Title is missing!. , 2020, 15, e0233582.		0
29	Enhanced chondrogenesis from human embryonic stem cells. Stem Cell Research, 2019, 39, 101497.	0.7	47
30	Patient-Specific iPSC Model of a Genetic Vascular Dementia Syndrome Reveals Failure of Mural Cells to Stabilize Capillary Structures. Stem Cell Reports, 2019, 13, 817-831.	4.8	38
31	The role of Trp53 in the mouse embryonic response to DNA damage. Molecular Human Reproduction, 2019, 25, 397-407.	2.8	2
32	Establishment of porcine and human expanded potential stem cells. Nature Cell Biology, 2019, 21, 687-699.	10.3	261
33	Characterisation of Osteopontin in an In Vitro Model of Embryo Implantation. Cells, 2019, 8, 432.	4.1	21
34	Generation of Functioning Nephrons by Implanting Human Pluripotent Stem Cell-Derived Kidney Progenitors. Stem Cell Reports, 2018, 10, 766-779.	4.8	134
35	Recombinant Extracellular Matrix Protein Fragments Support Human Embryonic Stem Cell Chondrogenesis. Tissue Engineering - Part A, 2018, 24, 968-978.	3.1	20
36	From human pluripotent stem cells to functional kidney organoids and models of renal disease. Stem Cell Investigation, 2018, 5, 20-20.	3.0	4

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37	Embryonic Stem Cells. , 2018, , 1-51.		1
38	Osmotic stress induces JNK-dependent embryo invasion in a model of implantation. <i>Reproduction</i> , 2018, 156, 421-428.	2.6	5
39	LEF1-mediated MMP13 gene expression is repressed by SIRT1 in human chondrocytes. <i>FASEB Journal</i> , 2017, 31, 3116-3125.	0.5	43
40	PTHrP is essential for normal morphogenetic and functional development of the murine placenta. <i>Developmental Biology</i> , 2017, 430, 325-336.	2.0	7
41	Apposition to endometrial epithelial cells activates mouse blastocysts for implantation. <i>Molecular Human Reproduction</i> , 2017, 23, 617-627.	2.8	55
42	Integrin and FAK Regulation of Human Pluripotent Stem Cells. <i>Current Stem Cell Reports</i> , 2017, 3, 358-365.	1.6	50
43	High-quality clinical-grade human embryonic stem cell lines derived from fresh discarded embryos. <i>Stem Cell Research and Therapy</i> , 2017, 8, 128.	5.5	37
44	Integrin-Associated Focal Adhesion Kinase Protects Human Embryonic Stem Cells from Apoptosis, Detachment, and Differentiation. <i>Stem Cell Reports</i> , 2016, 7, 167-176.	4.8	52
45	Proteomic analysis of integrin-associated complexes from mesenchymal stem cells. <i>Proteomics - Clinical Applications</i> , 2016, 10, 51-57.	1.6	31
46	Graphene Oxide promotes embryonic stem cell differentiation to haematopoietic lineage. <i>Scientific Reports</i> , 2016, 6, 25917.	3.3	59
47	Polyurethane: Stable Cell Phenotype Requires Plasticity: Polymer Supported Directed Differentiation Reveals a Unique Gene Signature Predicting Stable Hepatocyte Performance ( <i>Adv. Healthcare Mater.</i> ) Tj ETQq1 1 0784314 rgBT /Ove	7.8	14
48	The Molecular Karyotype of 25 Clinical-Grade Human Embryonic Stem Cell Lines. <i>Scientific Reports</i> , 2015, 5, 17258.	3.3	54
49	Recombinant Laminins Drive the Differentiation and Self-Organization of hESC-Derived Hepatocytes. <i>Stem Cell Reports</i> , 2015, 5, 1250-1262.	4.8	123
50	Polymer Supported Directed Differentiation Reveals a Unique Gene Signature Predicting Stable Hepatocyte Performance. <i>Advanced Healthcare Materials</i> , 2015, 4, 1820-1825.	7.6	20
51	Maternal nutrition modifies trophoblast giant cell phenotype and fetal growth in mice. <i>Reproduction</i> , 2015, 149, 563-575.	2.6	32
52	miR-145 suppresses embryo-epithelial juxtacrine communication at implantation by modulating maternal IGF1R. <i>Journal of Cell Science</i> , 2015, 128, 804-14.	2.0	69
53	Generating Cartilage Repair from Pluripotent Stem Cells. <i>Tissue Engineering - Part B: Reviews</i> , 2014, 20, 257-266.	4.8	43
54	Cartilage Repair Using Human Embryonic Stem Cell-Derived Chondroprogenitors. <i>Stem Cells Translational Medicine</i> , 2014, 3, 1287-1294.	3.3	101

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55	How should we assess the safety of IVF technologies?. Reproductive BioMedicine Online, 2013, 27, 710-721.	2.4	49
56	Comparative Proteomic Analysis of Supportive and Unsupportive Extracellular Matrix Substrates for Human Embryonic Stem Cell Maintenance. Journal of Biological Chemistry, 2013, 288, 18716-18731.	3.4	50
57	Global Gene Expression Profiling of Individual Human Oocytes and Embryos Demonstrates Heterogeneity in Early Development. PLoS ONE, 2013, 8, e64192.	2.5	33
58	Screening ethnically diverse human embryonic stem cells identifies a chromosome 20 minimal amplicon conferring growth advantage. Nature Biotechnology, 2011, 29, 1132-1144.	17.5	509
59	Gene expression analysis of a new source of human oocytes and embryos for research and human embryonic stem cell derivation. Fertility and Sterility, 2011, 95, 1410-1415.	1.0	5
60	Human feeder cell line for derivation and culture of hESc/hiPSc. Stem Cell Research, 2011, 7, 154-162.	0.7	17
61	Gene expression profiling of the developing mouse kidney and embryo. In Vitro Cellular and Developmental Biology - Animal, 2010, 46, 155-165.	1.5	10
62	Derivation of Man-1 and Man-2 research grade human embryonic stem cell lines. In Vitro Cellular and Developmental Biology - Animal, 2010, 46, 386-394.	1.5	15
63	Directed differentiation of human embryonic stem cells toward chondrocytes. Nature Biotechnology, 2010, 28, 1187-1194.	17.5	271
64	Sox2 Is Essential for Formation of Trophectoderm in the Preimplantation Embryo. PLoS ONE, 2010, 5, e13952.	2.5	173
65	Genes and signals regulating murine trophoblast cell development. Mechanisms of Development, 2010, 127, 1-20.	1.7	52
66	Naturally Immortalised Mouse Embryonic Fibroblast Lines Support Human Embryonic Stem Cell Growth. Cloning and Stem Cells, 2009, 11, 453-462.	2.6	9
67	Clinically failed eggs as a source of normal human embryo stem cells. Stem Cell Research, 2009, 2, 188-197.	0.7	27
68	Analysis of the distinct functions of growth factors and tissue culture substrates necessary for the long-term self-renewal of human embryonic stem cell lines. Stem Cell Research, 2009, 3, 28-38.	0.7	60
69	Blastocyst implantation:the adhesion cascade. Reproductive Medicine and Assisted Reproductive Techniques Series, 2008, , 331-351.	0.1	7
70	PTHrP induces changes in cell cytoskeleton and E-cadherin and regulates Eph/Ephrin kinases and RhoGTPases in murine secondary trophoblast cells. Developmental Biology, 2006, 290, 13-31.	2.0	24
71	PTHrP promotes murine secondary trophoblast giant cell differentiation through induction of endocycle, upregulation of giant-cell-promoting transcription factors and suppression of other trophoblast cell types. Differentiation, 2005, 73, 154-174.	1.9	28
72	Leukocyte Subpopulations in the Uteri of Leukemia Inhibitory Factor Knockout Mice During Early Pregnancy1. Biology of Reproduction, 2005, 72, 872-878.	2.7	52

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73	Leukaemia inhibitory factor in implantation and uterine biology. <i>Reproduction</i> , 2005, 130, 131-145.	2.6	145
74	Apoptosis in the preimplantation mouse embryo: Effect of strain difference and in vitro culture. <i>Molecular Reproduction and Development</i> , 2002, 61, 67-77.	2.0	87
75	Molecular Interactions at the Maternal-Embryonic Interface During the Early Phase of Implantation. <i>Seminars in Reproductive Medicine</i> , 2000, 18, 237-254.	1.1	61
76	Desmosomes Are Reduced in the Mouse Uterine Luminal Epithelium During the Preimplantation Period of Pregnancy: A Mechanism for Facilitation of Implantation <sup>1</sup> . <i>Biology of Reproduction</i> , 2000, 63, 1764-1773.	2.7	53
77	Blastocyst implantation: the adhesion cascade. <i>Seminars in Cell and Developmental Biology</i> , 2000, 11, 77-92.	5.0	108