

# Benjamin E Reubinoff

## List of Publications by Year in descending order

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85  
papers

12,430  
citations

76196

40  
h-index

62479

80  
g-index

89  
all docs

89  
docs citations

89  
times ranked

12859  
citing authors

#	ARTICLE	IF	CITATIONS
1	Embryonic stem cell lines from human blastocysts: somatic differentiation in vitro. <i>Nature Biotechnology</i> , 2000, 18, 399-404.	9.4	2,554
2	Neural progenitors from human embryonic stem cells. <i>Nature Biotechnology</i> , 2001, 19, 1134-1140.	9.4	1,068
3	Polycomb-mediated methylation on Lys27 of histone H3 pre-marks genes for de novo methylation in cancer. <i>Nature Genetics</i> , 2007, 39, 232-236.	9.4	1,062
4	Characterization of human embryonic stem cell lines by the International Stem Cell Initiative. <i>Nature Biotechnology</i> , 2007, 25, 803-816.	9.4	983
5	Characterization of the expression of MHC proteins in human embryonic stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 9864-9869.	3.3	628
6	Screening ethnically diverse human embryonic stem cells identifies a chromosome 20 minimal amplicon conferring growth advantage. <i>Nature Biotechnology</i> , 2011, 29, 1132-1144.	9.4	509
7	Regulation of human embryonic stem cell differentiation by BMP-2 and its antagonist noggin. <i>Journal of Cell Science</i> , 2004, 117, 1269-1280.	1.2	446
8	Directed Differentiation of Human Embryonic Stem Cells into Functional Retinal Pigment Epithelium Cells. <i>Cell Stem Cell</i> , 2009, 5, 396-408.	5.2	437
9	Transplantation of Human Embryonic Stem Cell-Derived Neural Progenitors Improves Behavioral Deficit in Parkinsonian Rats. <i>Stem Cells</i> , 2004, 22, 1246-1255.	1.4	351
10	Stable genetic modification of human embryonic stem cells by lentiviral vectors. <i>Molecular Therapy</i> , 2003, 7, 281-287.	3.7	233
11	Asynchronous replication and allelic exclusion in the immune system. <i>Nature</i> , 2001, 414, 221-225.	13.7	222
12	Derivation, propagation and controlled differentiation of human embryonic stem cells in suspension. <i>Nature Biotechnology</i> , 2010, 28, 361-364.	9.4	219
13	Derivation of neural precursors from human embryonic stem cells in the presence of noggin. <i>Molecular and Cellular Neurosciences</i> , 2005, 30, 24-36.	1.0	201
14	Retinal Incorporation and Differentiation of Neural Precursors Derived from Human Embryonic Stem Cells. <i>Stem Cells</i> , 2006, 24, 246-257.	1.4	200
15	Neuroprotective Effect of Transplanted Human Embryonic Stem Cell-Derived Neural Precursors in an Animal Model of Multiple Sclerosis. <i>PLoS ONE</i> , 2008, 3, e3145.	1.1	188
16	Generation of Peripheral Sensory and Sympathetic Neurons and Neural Crest Cells from Human Embryonic Stem Cells. <i>Stem Cells</i> , 2005, 23, 923-930.	1.4	181
17	Asynchronous replication of imprinted genes is established in the gametes and maintained during development. <i>Nature</i> , 1999, 401, 929-932.	13.7	163
18	CD30 is a survival factor and a biomarker for transformed human pluripotent stem cells. <i>Nature Biotechnology</i> , 2006, 24, 351-357.	9.4	147

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19	Effects of hormone replacement therapy on weight, body composition, fat distribution, and food intake in early postmenopausal women: a prospective study. <i>Fertility and Sterility</i> , 1995, 64, 963-968.	0.5	137
20	Is the obstetric outcome of in vitro fertilized singleton gestations different from natural ones? A controlled study. <i>Fertility and Sterility</i> , 1997, 67, 1077-1083.	0.5	119
21	Gliomas display a microRNA expression profile reminiscent of neural precursor cells. <i>Neuro-Oncology</i> , 2010, 12, 422-433.	0.6	119
22	Human iPSC-derived astrocytes from ALS patients with mutated C9ORF72 show increased oxidative stress and neurotoxicity. <i>EBioMedicine</i> , 2019, 50, 274-289.	2.7	110
23	Comprehensive Gene and microRNA Expression Profiling Reveals a Role for microRNAs in Human Liver Development. <i>PLoS ONE</i> , 2009, 4, e7511.	1.1	104
24	MicroRNA Expression Patterns and Function in Endodermal Differentiation of Human Embryonic Stem Cells. <i>PLoS ONE</i> , 2008, 3, e3726.	1.1	103
25	Integration and differentiation of human embryonic stem cells transplanted to the chick embryo. <i>Developmental Dynamics</i> , 2002, 225, 80-86.	0.8	100
26	Testicular fine needle aspiration: the alternative method for sperm retrieval in non-obstructive azoospermia. <i>Human Reproduction</i> , 1999, 14, 1785-1790.	0.4	97
27	Derivation of Xeno-Free and GMP-Grade Human Embryonic Stem Cells – Platforms for Future Clinical Applications. <i>PLoS ONE</i> , 2012, 7, e35325.	1.1	97
28	Standardization of the Teratoma Assay for Analysis of Pluripotency of Human ES Cells and Biosafety of Their Differentiated Progeny. <i>PLoS ONE</i> , 2012, 7, e45532.	1.1	96
29	Neural differentiation of patient specific iPS cells as a novel approach to study the pathophysiology of multiple sclerosis. <i>Stem Cell Research</i> , 2012, 8, 259-273.	0.3	95
30	Serial in vivo MR tracking of magnetically labeled neural spheres transplanted in chronic EAE mice. <i>Magnetic Resonance in Medicine</i> , 2007, 57, 164-171.	1.9	89
31	PAX6 Regulates Melanogenesis in the Retinal Pigmented Epithelium through Feed-Forward Regulatory Interactions with MITF. <i>PLoS Genetics</i> , 2014, 10, e1004360.	1.5	75
32	Whole Genome Analysis of Human Neural Stem Cells Derived from Embryonic Stem Cells and Stem and Progenitor Cells Isolated from Fetal Tissue. <i>Stem Cells</i> , 2007, 25, 1298-1306.	1.4	69
33	Effects of low-dose estrogen oral contraceptives on weight, body composition, and fat distribution in young women. <i>Fertility and Sterility</i> , 1995, 63, 516-521.	0.5	61
34	Peripheral sensory neurons differentiate from neural precursors derived from human embryonic stem cells. <i>Differentiation</i> , 2008, 76, 145-155.	1.0	57
35	Lentiviral Vectors Harboring a Dual-Gene System Allow High and Homogeneous Transgene Expression in Selected Polyclonal Human Embryonic Stem Cells. <i>Molecular Therapy</i> , 2006, 14, 255-267.	3.7	56
36	Human Embryonic Stem Cells Suppress T Cell Responses via Arginase I-Dependent Mechanism. <i>Journal of Immunology</i> , 2010, 184, 1300-1308.	0.4	54

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37	New advances in sex preselection. <i>Fertility and Sterility</i> , 1996, 66, 343-350.	0.5	50
38	Coenzyme Q-dependent mitochondrial respiratory chain activity in granulosa cells is reduced with aging. <i>Fertility and Sterility</i> , 2015, 104, 724-727.	0.5	45
39	Notch Signaling Regulates Motor Neuron Differentiation of Human Embryonic Stem Cells. <i>Stem Cells</i> , 2015, 33, 403-415.	1.4	45
40	Long-Term Efficacy of GMP Grade Xeno-Free hESC-Derived RPE Cells Following Transplantation. <i>Translational Vision Science and Technology</i> , 2017, 6, 17.	1.1	44
41	The BNT162b2 mRNA Covid-19 vaccine does not impair sperm parameters. <i>Reproductive BioMedicine Online</i> , 2022, 44, 685-688.	1.1	43
42	Therapeutic applications of embryonic stem cells. <i>Best Practice and Research in Clinical Obstetrics and Gynaecology</i> , 2004, 18, 909-927.	1.4	42
43	The role of FGF-signaling in early neural specification of human embryonic stem cells. <i>Developmental Biology</i> , 2010, 340, 450-458.	0.9	37
44	Increased levels of redox-active iron in follicular fluid: A possible cause of free radical - mediated infertility in $\beta$ -thalassemia major. <i>American Journal of Obstetrics and Gynecology</i> , 1996, 174, 914-918.	0.7	36
45	ATM-mediated response to DNA double strand breaks in human neurons derived from stem cells. <i>DNA Repair</i> , 2007, 6, 128-134.	1.3	35
46	Biochemical properties of a keratan sulphate/chondroitin sulphate proteoglycan expressed in primate pluripotent stem cells*. <i>Journal of Anatomy</i> , 2002, 200, 259-265.	0.9	34
47	Embryo growth rate in vitro as an indicator of embryo quality in IVF cycles. <i>Journal of Assisted Reproduction and Genetics</i> , 1994, 11, 500-503.	1.2	33
48	Immunological Properties of Human Embryonic Stem Cell-Derived Retinal Pigment Epithelial Cells. <i>Stem Cell Reports</i> , 2018, 11, 681-695.	2.3	33
49	Neural Differentiation of Human ES Cells. <i>Current Protocols in Cell Biology</i> , 2007, 36, Unit 23.7.	2.3	31
50	Lentiviral Vector-Mediated Gene Delivery into Human Embryonic Stem Cells. <i>Methods in Enzymology</i> , 2006, 420, 64-81.	0.4	29
51	Enriched Population of PNS Neurons Derived from Human Embryonic Stem Cells as a Platform for Studying Peripheral Neuropathies. <i>PLoS ONE</i> , 2010, 5, e9290.	1.1	27
52	Diagnosing and preventing inherited diseases. <i>Molecular Human Reproduction</i> , 1996, 2, 60-62.	1.3	23
53	ALS-related human cortical and motor neurons survival is differentially affected by Sema3A. <i>Cell Death and Disease</i> , 2018, 9, 256.	2.7	23
54	The knockdown of H19lncRNA reveals its regulatory role in pluripotency and tumorigenesis of human embryonic carcinoma cells. <i>Oncotarget</i> , 2015, 6, 34691-34703.	0.8	22

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55	Carcinoma of the Colon During Pregnancy. <i>Obstetrical and Gynecological Survey</i> , 1992, 47, 222-225.	0.2	21
56	Reprogramming of DNA Replication Timing. <i>Stem Cells</i> , 2010, 28, 443-449.	1.4	20
57	Sibling oocyte submission to IVF and ICSI in unexplained infertility patients: a potential assay for gamete quality. <i>Reproductive BioMedicine Online</i> , 2006, 12, 371-374.	1.1	19
58	Transition toward Human Cytomegalovirus Susceptibility in Early Human Embryonic Stem Cell-Derived Neural Precursors. <i>Journal of Virology</i> , 2015, 89, 11159-11164.	1.5	18
59	Dual-Targeted Autoimmune Sword in Fatal Epilepsy: Patient's glutamate receptor AMPA GluR3B peptide autoimmune antibodies bind, induce Reactive Oxygen Species (ROS) in, and kill both human neural cells and T cells. <i>Journal of Autoimmunity</i> , 2020, 112, 102462.	3.0	17
60	Vaginal delivery in SARS-CoV-2-infected pregnant women in Israel: a multicenter prospective analysis. <i>Archives of Gynecology and Obstetrics</i> , 2021, 303, 1401-1405.	0.8	17
61	Rapid antigen detection testing for universal screening for severe acute respiratory syndrome coronavirus 2 in women admitted for delivery. <i>American Journal of Obstetrics and Gynecology</i> , 2021, 224, 539-540.	0.7	16
62	Pax6 regulation of <i>Sox9</i> in the retinal pigmented epithelium controls its timely differentiation and choroid vasculature development. <i>Development (Cambridge)</i> , 2018, 145, .	1.2	15
63	Systemically transplanted mesenchymal stem cells induce vascular-like structure formation in a rat model of vaginal injury. <i>PLoS ONE</i> , 2019, 14, e0218081.	1.1	15
64	Stem cells in a new light. <i>Nature Biotechnology</i> , 2008, 26, 187-188.	9.4	14
65	RhD genotype determination by single sperm cell analysis. <i>American Journal of Obstetrics and Gynecology</i> , 1996, 174, 1300-1305.	0.7	12
66	Age-associated differences in macrophage response in a vaginal wound healing rat model. <i>International Urogynecology Journal</i> , 2020, 31, 1803-1809.	0.7	10
67	Lentiviralâ€“RNAâ€“Interference System Mediating Homogenous and Monitored Level of Gene Silencing in Human Embryonic Stem Cells. <i>Cloning and Stem Cells</i> , 2007, 9, 339-345.	2.6	9
68	Endometrial thickness following early miscarriage in IVF patients â€“ is there a preferred management approach?. <i>Reproductive Biology and Endocrinology</i> , 2021, 19, 93.	1.4	9
69	Cell Cycle Synchronization for the Purpose of Somatic Cell Nuclear Transfer (SCNT). <i>Methods in Molecular Biology</i> , 2011, 761, 239-247.	0.4	7
70	Continuous Immune-Modulatory Effects of Human Olig2+ Precursor Cells Attenuating a Chronic-Active Model of Multiple Sclerosis. <i>Molecular Neurobiology</i> , 2020, 57, 1021-1034.	1.9	7
71	Advances in <i>hPSC</i> expansion towards therapeutic entities: A review. <i>Cell Proliferation</i> , 0, , .	2.4	6
72	The use of vaginal tablets as a vehicle for steroid replacement in a donor oocyte program. <i>Fertility and Sterility</i> , 1994, 62, 412-414.	0.5	5

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73	Hadassah, provider of "Regulatory-Ready" pluripotent clinical-grade stem cell banks. Stem Cell Research, 2020, 42, 101670.	0.3	5
74	Current status of human embryonic stem cell research. Reproductive BioMedicine Online, 2007, 14, 121-124.	1.1	3
75	A new impedance based approach to test the activity of recombinant protein " Semaphorins as a test case. European Journal of Cell Biology, 2015, 94, 453-457.	1.6	3
76	Human embryonic stem cells"potential applications for regenerative medicine. International Congress Series, 2004, 1266, 45-53.	0.2	2
77	Nuclear Treatment and Cell Cycle Synchronization for the Purpose of Mammalian and Primate Somatic Cell Nuclear Transfer (SCNT). Methods in Molecular Biology, 2017, 1524, 289-298.	0.4	2
78	Characterization of C9orf72 haplotypes to evaluate the effects of normal and pathological variations on its expression and splicing. PLoS Genetics, 2021, 17, e1009445.	1.5	2
79	Dydrogesterone supplementation in addition to routine micronized progesterone administration for luteal support in cycles triggered with lone GnRH agonist results in an acceptable pregnancy rate and avoids the need to freeze embryos. Minerva Obstetrics and Gynecology, 2023, 75, .	0.5	2
80	Differentiation of Human Pluripotent Stem Cells into Retinal Cells. , 2012, , 87-99.		1
81	Antenatal Bleeding and Fetal Heart Rate. Gynecologic and Obstetric Investigation, 1995, 39, 19-23.	0.7	0
82	Transduction of Human ES Cells by Lentiviral Vectors. , 2004, , 557-563.		0
83	Identification and Maintenance of Neural Precursors from Human Embryonic Stem Cells. , 2004, , 511-520.		0
84	Human embryonic stem cells. , 2008, , 827-841.		0
85	Human embryonic stem cells. , 2012, , 380-395.		0