

Ariff Bongso

List of Publications by Year in descending order

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71
papers

7,574
citations

136950

32
h-index

106344

65
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73
all docs

73
docs citations

73
times ranked

7550
citing authors

#	ARTICLE	IF	CITATIONS
1	Allogeneic human umbilical cord Wharton's jelly stem cells increase several-fold the expansion of human cord blood CD34+ cells both in vitro and in vivo. <i>Stem Cell Research and Therapy</i> , 2020, 11, 527.	5.5	9
2	Tissues derived from reprogrammed Wharton's jelly stem cells of the umbilical cord as a platform to study gestational diabetes mellitus. <i>Stem Cell Research</i> , 2020, 47, 101880.	0.7	2
3	Inhibition of growth of Asian keloid cells with human umbilical cord Wharton's jelly stem cell-conditioned medium. <i>Stem Cell Research and Therapy</i> , 2020, 11, 78.	5.5	14
4	Hypoxic Wharton's Jelly Stem Cell Conditioned Medium Induces Immunogenic Cell Death in Lymphoma Cells. <i>Stem Cells International</i> , 2020, 2020, 1-14.	2.5	9
5	Histological, immunohistochemical, and genomic evaluation of excisional and diabetic wounds treated with human Wharton's jelly stem cells with and without a nanocarrier. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 11222-11240.	2.6	7
6	Manufacturing of human Wharton's jelly stem cells for clinical use: selection of serum is important. <i>Cytotherapy</i> , 2019, 21, 483-495.	0.7	16
7	Changes in Stemness Properties, Differentiation Potential, Oxidative Stress, Senescence and Mitochondrial Function in Wharton's Jelly Stem Cells of Umbilical Cords of Mothers with Gestational Diabetes Mellitus. <i>Stem Cell Reviews and Reports</i> , 2019, 15, 415-426.	5.6	26
8	Human Wharton's Jelly Mesenchymal Stem Cells Show Unique Gene Expression Compared with Bone Marrow Mesenchymal Stem Cells Using Single-Cell RNA-Sequencing. <i>Stem Cells and Development</i> , 2019, 28, 196-211.	2.1	52
9	Hyaluronan Receptor LYVE-1-Expressing Macrophages Maintain Arterial Tone through Hyaluronan-Mediated Regulation of Smooth Muscle Cell Collagen. <i>Immunity</i> , 2018, 49, 326-341.e7.	14.3	235
10	Biology of human primitive erythroblasts for application in noninvasive prenatal diagnosis. <i>Prenatal Diagnosis</i> , 2018, 38, 673-684.	2.3	7
11	Induction of Immunogenic Cell Death in Lymphoma Cells by Wharton's Jelly Mesenchymal Stem Cell Conditioned Medium. <i>Stem Cell Reviews and Reports</i> , 2017, 13, 801-816.	5.6	12
12	Tissues Derived From Reprogrammed Wharton's Jelly Stem Cells of the Umbilical Cord Provide an Ideal Platform to Study the Effects of Glucose, Zika Virus, and Other Agents on the Fetus. <i>Journal of Cellular Biochemistry</i> , 2017, 118, 437-441.	2.6	5
13	Freezing of Fresh Wharton's Jelly From Human Umbilical Cords Yields High Post-Thaw Mesenchymal Stem Cell Numbers for Cell-Based Therapies. <i>Journal of Cellular Biochemistry</i> , 2016, 117, 815-827.	2.6	29
14	Human Umbilical Cord Wharton's Jelly Stem Cell Conditioned Medium Induces Tumoricidal Effects on Lymphoma Cells Through Hydrogen Peroxide Mediation. <i>Journal of Cellular Biochemistry</i> , 2016, 117, 2045-2055.	2.6	25
15	Comparative Characterization of Cells from the Various Compartments of the Human Umbilical Cord Shows that the Wharton's Jelly Compartment Provides the Best Source of Clinically Utilizable Mesenchymal Stem Cells. <i>PLoS ONE</i> , 2015, 10, e0127992.	2.5	108
16	Human Wharton's Jelly Stem Cells and Its Conditioned Medium Enhance Healing of Excisional and Diabetic Wounds. <i>Journal of Cellular Biochemistry</i> , 2014, 115, 290-302.	2.6	70
17	Human Wharton's Jelly Stem Cells, its Conditioned Medium and Cell-Free Lysate Inhibit the Growth of Human Lymphoma Cells. <i>Stem Cell Reviews and Reports</i> , 2014, 10, 573-586.	5.6	43
18	Human Keloid Cell Characterization and Inhibition of Growth with Human Wharton's Jelly Stem Cell Extracts. <i>Journal of Cellular Biochemistry</i> , 2014, 115, 826-838.	2.6	31

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19	A Nanoscaffold Impregnated With Human Wharton's Jelly Stem Cells or Its Secretions Improves Healing of Wounds. <i>Journal of Cellular Biochemistry</i> , 2014, 115, 794-803.	2.6	42
20	Human Wharton's Jelly Stem Cell Conditioned Medium Enhances Freeze-Thaw Survival and Expansion of Cryopreserved CD34+ Cells. <i>Stem Cell Reviews and Reports</i> , 2013, 9, 172-183.	5.6	14
21	Human Wharton's Jelly stem cell conditioned medium and cell-free lysate inhibit human osteosarcoma and mammary carcinoma cell growth in vitro and in xenograft mice. <i>Journal of Cellular Biochemistry</i> , 2013, 114, 366-377.	2.6	33
22	The Therapeutic Potential, Challenges and Future Clinical Directions of Stem Cells from the Wharton's Jelly of the Human Umbilical Cord. <i>Stem Cell Reviews and Reports</i> , 2013, 9, 226-240.	5.6	183
23	Propagation and Differentiation of Human Wharton's Jelly Stem Cells on Three-Dimensional Nanofibrous Scaffolds. <i>Methods in Molecular Biology</i> , 2013, 1058, 1-23.	0.9	10
24	Extra-embryonic human Wharton's jelly stem cells do not induce tumorigenesis, unlike human embryonic stem cells. <i>Reproductive BioMedicine Online</i> , 2012, 24, 235-246.	2.4	74
25	Human umbilical cord wharton's jelly mesenchymal stem cells do not transform to tumor-associated fibroblasts in the presence of breast and ovarian cancer cells unlike bone marrow mesenchymal stem cells. <i>Journal of Cellular Biochemistry</i> , 2012, 113, 1886-1895.	2.6	84
26	Human umbilical cord wharton's jelly stem cell (hWJSC) extracts inhibit cancer cell growth in vitro. <i>Journal of Cellular Biochemistry</i> , 2012, 113, 2027-2039.	2.6	127
27	Human Umbilical Cord Wharton's Jelly Stem Cells Undergo Enhanced Chondrogenic Differentiation when Grown on Nanofibrous Scaffolds and in a Sequential Two-stage Culture Medium Environment. <i>Stem Cell Reviews and Reports</i> , 2012, 8, 195-209.	5.6	106
28	Osteogenic Differentiation of Human Wharton's Jelly Stem Cells on Nanofibrous Substrates <i>In Vitro</i> . <i>Tissue Engineering - Part A</i> , 2011, 17, 71-81.	3.1	32
29	Human Wharton's Jelly Stem Cells Have Unique Transcriptome Profiles Compared to Human Embryonic Stem Cells and Other Mesenchymal Stem Cells. <i>Stem Cell Reviews and Reports</i> , 2011, 7, 1-16.	5.6	296
30	Novel approaches to manipulating foetal cells in the maternal circulation for non-invasive prenatal diagnosis of the unborn child. <i>Journal of Cellular Biochemistry</i> , 2011, 112, 1475-1485.	2.6	18
31	Effect of ROCK Inhibitor Y-27632 on Normal and Variant Human Embryonic Stem Cells (hESCs) <i>In Vitro</i> : Its Benefits in hESC Expansion. <i>Stem Cell Reviews and Reports</i> , 2010, 6, 86-95.	5.6	74
32	ROCK Inhibitor Y-27632 Increases Thaw-Survival Rates and Preserves Stemness and Differentiation Potential of Human Wharton's Jelly Stem Cells After Cryopreservation. <i>Stem Cell Reviews and Reports</i> , 2010, 6, 665-676.	5.6	29
33	Teratomas from pluripotent stem cells: A clinical hurdle. <i>Journal of Cellular Biochemistry</i> , 2010, 111, 769-781.	2.6	197
34	Derivation efficiency, cell proliferation, freeze-thaw survival, stem-cell properties and differentiation of human Wharton's jelly stem cells. <i>Reproductive BioMedicine Online</i> , 2010, 21, 391-401.	2.4	111
35	Human Embryonic Stem Cell-derived Tissue Transplantation Therapy: Clinical Hurdles. , 2010, , 155-183.		0
36	Human Umbilical Cord Wharton's Jelly Stem Cells: Their Nature, Properties and Benefits. , 2010, , 303-322.		0

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37	Nanofibrous substrates support colony formation and maintain stemness of human embryonic stem cells. <i>Journal of Cellular and Molecular Medicine</i> , 2009, 13, 3475-3484.	3.6	53
38	Statins, stem cells, and cancer. <i>Journal of Cellular Biochemistry</i> , 2009, 106, 975-983.	2.6	89
39	Separation of SSEA-4 and TRA-1 ^{â€} 60 Labelled Undifferentiated Human Embryonic Stem Cells from A Heterogeneous Cell Population Using Magnetic-Activated Cell Sorting (MACS) and Fluorescence-Activated Cell Sorting (FACS). <i>Stem Cell Reviews and Reports</i> , 2009, 5, 72-80.	5.6	146
40	The Use of Discontinuous Density Gradients in Stem Cell Research and Application. <i>Stem Cell Reviews and Reports</i> , 2009, 5, 428-434.	5.6	6
41	A Three Dimensional Anchorage Independent In Vitro System for the Prolonged Growth of Embryoid Bodies to Study Cancer Cell Behaviour and Anticancer Agents. <i>Stem Cell Reviews and Reports</i> , 2009, 5, 410-419.	5.6	13
42	Human Embryonic Stem Cells: Their Nature, Properties, and Uses. , 2009, , 1-17.		5
43	Reproductive Stem Cells of Embryonic Origin: Comparative Properties and Potential Benefits of Human Embryonic Stem Cells and Wharton's Jelly Stem Cells. <i>Reproductive Medicine and Assisted Reproductive Techniques Series</i> , 2009, , 136-149.	0.1	2
44	Reproductive Stem Cells of Embryonic Origin: Comparative Properties and Potential Benefits of Human Embryonic Stem Cells and Wharton's Jelly Stem Cells. <i>Reproductive Medicine and Assisted Reproductive Techniques Series</i> , 2009, , 136-149.	0.1	1
45	Taking stem cells to the clinic: Major challenges. <i>Journal of Cellular Biochemistry</i> , 2008, 105, 1352-1360.	2.6	162
46	Comparative evaluation of the effects of statins on human stem and cancer cells in vitro. <i>Reproductive BioMedicine Online</i> , 2007, 15, 566-581.	2.4	30
47	Unsuccessful derivation of human embryonic stem cell lines from pairs of human blastomeres. <i>Reproductive BioMedicine Online</i> , 2006, 13, 295-300.	2.4	23
48	Reverse Serial Analysis of Gene Expression (SAGE) Characterization of Orphan SAGE Tags from Human Embryonic Stem Cells Identifies the Presence of Novel Transcripts and Antisense Transcription of Key Pluripotency Genes. <i>Stem Cells</i> , 2006, 24, 1162-1173.	3.2	29
49	Blastocyst Culture for Deriving Human Embryonic Stem Cells. , 2006, 331, 13-22.		9
50	Human Blastocyst Culture and Derivation of Embryonic Stem Cell Lines. <i>Stem Cell Reviews and Reports</i> , 2005, 1, 087-098.	5.6	17
51	History and perspective of stem cell research. <i>Best Practice and Research in Clinical Obstetrics and Gynaecology</i> , 2004, 18, 827-842.	2.8	95
52	An Efficient and Safe Xeno-Free Cryopreservation Method for the Storage of Human Embryonic Stem Cells. <i>Stem Cells</i> , 2004, 22, 779-789.	3.2	127
53	The Transcriptome Profile of Human Embryonic Stem Cells as Defined by SAGE. <i>Stem Cells</i> , 2004, 22, 51-64.	3.2	387
54	Comparative Evaluation of Various Human Feeders for Prolonged Undifferentiated Growth of Human Embryonic Stem Cells. <i>Stem Cells</i> , 2003, 21, 546-556.	3.2	274

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55	Human feeders support prolonged undifferentiated growth of human inner cell masses and embryonic stem cells. <i>Nature Biotechnology</i> , 2002, 20, 933-936.	17.5	716
56	Transformation of the Adult Human Mesenchymal Stem Cells into Cardiomyocyte-Like Cells in Vivo. <i>Cardiovascular Engineering (Dordrecht, Netherlands)</i> , 2002, 2, 7-14.	1.0	11
57	Embryonic stem cell lines from human blastocysts: somatic differentiation in vitro. <i>Nature Biotechnology</i> , 2000, 18, 399-404.	17.5	2,554
58	Comparative evaluation of two density gradient preparations for sperm separation for medically assisted conception. <i>Human Reproduction</i> , 1999, 14, 759-764.	0.9	71
59	The First 2 Case Reports of Frozen Embryo Donation Twin Pregnancies in Singapore: Hormonal Profiles and Obstetrical Outcome. <i>Journal of Obstetrics and Gynaecology Research</i> , 1998, 24, 203-209.	1.3	0
60	Behaviour of Human Embryos in Vitro in the First 14 Days: Blastocyst Transfer and Embryonic Stem Cell Production. <i>Clinical Science</i> , 1996, 91, 248-249.	4.3	4
61	Oviductal cells and early conception. <i>Reproductive Medicine Review</i> , 1995, 4, 31-41.	0.3	2
62	Human embryonic behavior in a sequential human oviduct-endometrial coculture system. <i>Fertility and Sterility</i> , 1994, 61, 976-978.	1.0	44
63	Fertilization and early embryology: Isolation and culture of inner cell mass cells from human blastocysts. <i>Human Reproduction</i> , 1994, 9, 2110-2117.	0.9	258
64	An Interesting Case of Intersex: Case Report. <i>Asia-Oceania Journal of Obstetrics and Gynaecology</i> , 1994, 20, 121-124.	0.0	0
65	Mitogenic and cytogenetic evaluation of transforming growth factor- β on murine preimplantation embryonic development in vitro. <i>Molecular Reproduction and Development</i> , 1993, 36, 482-487.	2.0	14
66	Fetal Blood Sampling and Its Complications Related to the Indications for Fetal Blood Sampling. <i>Australian and New Zealand Journal of Obstetrics and Gynaecology</i> , 1993, 33, 259-261.	1.0	7
67	Improved pregnancy rate after transfer of embryos grown in human fallopian tubal cell coculture. <i>Fertility and Sterility</i> , 1992, 58, 569-574.	1.0	109
68	In vitro decondensation of mammalian sperm and subsequent formation of pronuclei-like structures for micromanipulation. <i>Molecular Reproduction and Development</i> , 1992, 33, 338-346.	2.0	27
69	Outcome of 143 Pregnancies Conceived by Assisted Reproductive Techniques. <i>Asia-Oceania Journal of Obstetrics and Gynaecology</i> , 1992, 18, 299-307.	0.0	5
70	Co-cultures: their relevance to assisted reproduction. <i>Human Reproduction</i> , 1990, 5, 893-900.	0.9	76
71	Establishment of human ampullary cell cultures. <i>Human Reproduction</i> , 1989, 4, 486-494.	0.9	53