

Mahesh Choolani

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144
papers

5,651
citations

42
h-index

71
g-index

158
ext. papers

6,749
ext. citations

5.6
avg, IF

5.63
L-index

#	Paper	IF	Citations
144	Coronavirus disease 2019 (COVID-19) pandemic and pregnancy. <i>American Journal of Obstetrics and Gynecology</i> , 2020 , 222, 521-531	6.4	556
143	Unsupervised High-Dimensional Analysis Aligns Dendritic Cells across Tissues and Species. <i>Immunity</i> , 2016 , 45, 669-684	32.3	474
142	Superior osteogenic capacity for bone tissue engineering of fetal compared with perinatal and adult mesenchymal stem cells. <i>Stem Cells</i> , 2009 , 27, 126-37	5.8	232
141	Functional genomics identifies five distinct molecular subtypes with clinical relevance and pathways for growth control in epithelial ovarian cancer. <i>EMBO Molecular Medicine</i> , 2013 , 5, 1051-66	12	178
140	Human fetal dendritic cells promote prenatal T-cell immune suppression through arginase-2. <i>Nature</i> , 2017 , 546, 662-666	50.4	138
139	A study on Singaporean women's acceptance of using mobile phones to seek health information. <i>International Journal of Medical Informatics</i> , 2011 , 80, e189-202	5.3	135
138	Pre- and postnatal transplantation of fetal mesenchymal stem cells in osteogenesis imperfecta: a two-center experience. <i>Stem Cells Translational Medicine</i> , 2014 , 3, 255-64	6.9	131
137	The potential of human fetal mesenchymal stem cells for off-the-shelf bone tissue engineering application. <i>Biomaterials</i> , 2012 , 33, 2656-72	15.6	122
136	Neo-vascularization and bone formation mediated by fetal mesenchymal stem cell tissue-engineered bone grafts in critical-size femoral defects. <i>Biomaterials</i> , 2010 , 31, 608-20	15.6	111
135	Microcarrier culture for efficient expansion and osteogenic differentiation of human fetal mesenchymal stem cells. <i>BioResearch Open Access</i> , 2013 , 2, 84-97	2.4	108
134	A biaxial rotating bioreactor for the culture of fetal mesenchymal stem cells for bone tissue engineering. <i>Biomaterials</i> , 2009 , 30, 2694-704	15.6	106
133	Perturbation of fetal liver hematopoietic stem and progenitor cell development by trisomy 21. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 17579-84	11.5	106
132	An exploratory study of ageing women's perception on access to health informatics via a mobile phone-based intervention. <i>International Journal of Medical Informatics</i> , 2012 , 81, 637-48	5.3	91
131	Human umbilical cord Wharton's jelly stem cell (hWJSC) extracts inhibit cancer cell growth in vitro. <i>Journal of Cellular Biochemistry</i> , 2012 , 113, 2027-39	4.7	89
130	Lipidomic analysis of human placental syncytiotrophoblast microvesicles in adverse pregnancy outcomes. <i>Placenta</i> , 2013 , 34, 436-42	3.4	87
129	The GAS6-AXL signaling network is a mesenchymal (Mes) molecular subtype-specific therapeutic target for ovarian cancer. <i>Science Signaling</i> , 2016 , 9, ra97	8.8	76
128	Care of the pregnant woman with coronavirus disease 2019 in labor and delivery: anesthesia, emergency cesarean delivery, differential diagnosis in the acutely ill parturient, care of the newborn, and protection of the healthcare personnel. <i>American Journal of Obstetrics and Gynecology</i> , 2020 , 223, 667-74.e3	6.4	72

127	Application of micro-solid-phase extraction for the determination of persistent organic pollutants in tissue samples. <i>Journal of Chromatography A</i> , 2008 , 1186, 358-64	4.5	65
126	Proteomic analysis of human placental syncytiotrophoblast microvesicles in preeclampsia. <i>Clinical Proteomics</i> , 2014 , 11, 40	5	64
125	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, 1886-95	4.7	64
124	Microgel iron oxide nanoparticles for tracking human fetal mesenchymal stem cells through magnetic resonance imaging. <i>Stem Cells</i> , 2009 , 27, 1921-31	5.8	64
123	Contrasting effects of vasculogenic induction upon biaxial bioreactor stimulation of mesenchymal stem cells and endothelial progenitor cells cocultures in three-dimensional scaffolds under in vitro and in vivo paradigms for vascularized bone tissue engineering. <i>Tissue Engineering - Part A</i> , 2013 , 19, 893-904	3.9	63
122	Vasculogenic and osteogenesis-enhancing potential of human umbilical cord blood endothelial colony-forming cells. <i>Stem Cells</i> , 2012 , 30, 1911-24	5.8	63
121	Extra-embryonic human Wharton's jelly stem cells do not induce tumorigenesis, unlike human embryonic stem cells. <i>Reproductive BioMedicine Online</i> , 2012 , 24, 235-46	4	60
120	Circulating haptoglobin is an independent prognostic factor in the sera of patients with epithelial ovarian cancer. <i>Neoplasia</i> , 2007 , 9, 1-7	6.4	60
119	PEOlated Micelle/Silica as Dual-Layer Protection of Quantum Dots for Stable and Targeted Bioimaging. <i>Chemistry of Materials</i> , 2013 , 25, 2976-2985	9.6	59
118	Application of porous membrane protected micro-solid-phase-extraction combined with gas chromatography-mass spectrometry for the determination of estrogens in ovarian cyst fluid samples. <i>Analytica Chimica Acta</i> , 2011 , 687, 56-60	6.6	58
117	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	4.7	55
116	Stable human FIX expression after 0.9G intrauterine gene transfer of self-complementary adeno-associated viral vector 5 and 8 in macaques. <i>Molecular Therapy</i> , 2011 , 19, 1950-60	11.7	53
115	Differential recovery of membrane proteins after extraction by aqueous methanol and trifluoroethanol. <i>Proteomics</i> , 2007 , 7, 1654-63	4.8	53
114	RUNX3 functions as an oncogene in ovarian cancer. <i>Gynecologic Oncology</i> , 2011 , 122, 410-7	4.9	52
113	Biodegradable ECM-coated PCL microcarriers support scalable human early MSC expansion and in vivo bone formation. <i>Cytotherapy</i> , 2016 , 18, 1332-44	4.8	51
112	Silica-shell cross-linked micelles encapsulating fluorescent conjugated polymers for targeted cellular imaging. <i>Biomaterials</i> , 2012 , 33, 237-46	15.6	48
111	Microbial exposure during early human development primes fetal immune cells. <i>Cell</i> , 2021 , 184, 3394-3409.e20	4.8	48
110	CSIOVDB: a microarray gene expression database of epithelial ovarian cancer subtype. <i>Oncotarget</i> , 2015 , 6, 43843-52	3.3	46

109	microRNA-200b modulates microglia-mediated neuroinflammation via the cJun/MAPK pathway. <i>Journal of Neurochemistry</i> , 2014 , 130, 388-401	6	45
108	Simultaneous fetal cell identification and diagnosis by epsilon-globin chain immunophenotyping and chromosomal fluorescence in situ hybridization. <i>Blood</i> , 2001 , 98, 554-7	2.2	45
107	In vitro and in vivo correlates of physiological and neoplastic human Fallopian tube stem cells. <i>Journal of Pathology</i> , 2016 , 238, 519-530	9.4	45
106	The use of microgel iron oxide nanoparticles in studies of magnetic resonance relaxation and endothelial progenitor cell labelling. <i>Biomaterials</i> , 2010 , 31, 3296-306	15.6	44
105	Biodegradable poly-ε-caprolactone microcarriers for efficient production of human mesenchymal stromal cells and secreted cytokines in batch and fed-batch bioreactors. <i>Cytotherapy</i> , 2017 , 19, 419-432	4.8	43
104	Non-invasive prenatal diagnostic testing for ß-thalassaemia using cell-free fetal DNA and next generation sequencing. <i>Prenatal Diagnosis</i> , 2015 , 35, 258-65	3.2	43
103	Enhanced in vitro osteogenic differentiation of human fetal MSCs attached to 3D microcarriers versus harvested from 2D monolayers. <i>BMC Biotechnology</i> , 2015 , 15, 102	3.5	42
102	Characterization of first trimester fetal erythroblasts for non-invasive prenatal diagnosis. <i>Molecular Human Reproduction</i> , 2003 , 9, 227-35	4.4	40
101	Human fetal hepatic progenitor cells are distinct from, but closely related to, hematopoietic stem/progenitor cells. <i>Stem Cells</i> , 2013 , 31, 1160-9	5.8	39
100	Respiratory competent mitochondria in human ovarian and peritoneal cancer. <i>Mitochondrion</i> , 2011 , 11, 437-43	4.9	39
99	Preferences for prenatal tests for Down syndrome: an international comparison of the views of pregnant women and health professionals. <i>European Journal of Human Genetics</i> , 2016 , 24, 968-75	5.3	38
98	Separation of model mixtures of epsilon-globin positive fetal nucleated red blood cells and anucleate erythrocytes using a microfluidic device. <i>Journal of Chromatography A</i> , 2010 , 1217, 1862-6	4.5	38
97	Application of microwave-assisted micro-solid-phase extraction for determination of parabens in human ovarian cancer tissues. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015 , 1000, 192-8	3.2	37
96	Development of cell-selective films for layered co-culturing of vascular progenitor cells. <i>Biomaterials</i> , 2009 , 30, 2241-51	15.6	37
95	Fetal Treatment 2017: The Evolution of Fetal Therapy Centers - A Joint Opinion from the International Fetal Medicine and Surgical Society (IFMSS) and the North American Fetal Therapy Network (NAFTNet). <i>Fetal Diagnosis and Therapy</i> , 2017 , 42, 241-248	2.4	35
94	Mechanisms and evidence of vertical transmission of infections in pregnancy including SARS-CoV-2s. <i>Prenatal Diagnosis</i> , 2020 , 40, 1655-1670	3.2	34
93	Prospective evaluation of screening performance of first-trimester prediction models for preterm preeclampsia in an Asian population. <i>American Journal of Obstetrics and Gynecology</i> , 2019 , 221, 650.e1-650.e16	6.4	33
92	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, 573-86	6.4	33

91	Has noninvasive prenatal testing impacted termination of pregnancy and live birth rates of infants with Down syndrome?. <i>Prenatal Diagnosis</i> , 2017 , 37, 1281-1290	3.2	33
90	Human Wharton@ 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	4.4	33
89	A nanoscaffold impregnated with human wharton@jelly stem cells or its secretions improves healing of wounds. <i>Journal of Cellular Biochemistry</i> , 2014 , 115, 794-803	4.7	32
88	Proteomic technologies for prenatal diagnostics: advances and challenges ahead. <i>Expert Review of Proteomics</i> , 2009 , 6, 87-101	4.2	32
87	Pre-differentiation of human neural stem cells into GABAergic neurons prior to transplant results in greater repopulation of the damaged brain and accelerates functional recovery after transient ischemic stroke. <i>Stem Cell Research and Therapy</i> , 2015 , 6, 186	8.3	30
86	Sonographic diagnosis and successful medical management of an intramural ectopic pregnancy. <i>Journal of Clinical Ultrasound</i> , 2010 , 38, 320-4	1	29
85	Challenges in non-invasive prenatal screening for sub-chromosomal copy number variations using cell-free DNA. <i>Prenatal Diagnosis</i> , 2017 , 37, 1067-1075	3.2	25
84	Hepatic differentiation of human amniotic epithelial cells and in vivo therapeutic effect on animal model of cirrhosis. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2015 , 30, 1673-82	4	25
83	Human keloid cell characterization and inhibition of growth with human Wharton@jelly stem cell extracts. <i>Journal of Cellular Biochemistry</i> , 2014 , 115, 826-38	4.7	25
82	Lab-on-a-chip technology: impacting non-invasive prenatal diagnostics (NIPD) through miniaturisation. <i>Lab on A Chip</i> , 2014 , 14, 841-54	7.2	25
81	Human Wharton@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, 366-77	4.7	25
80	A prospective, randomized comparison of vaginal misoprostol versus intra-amniotic prostaglandins for midtrimester termination of pregnancy. <i>American Journal of Obstetrics and Gynecology</i> , 2005 , 193, 1410-4	6.4	24
79	In Utero Transfer of Adeno-Associated Viral Vectors Produces Long-Term Factor IX Levels in a Cynomolgus Macaque Model. <i>Molecular Therapy</i> , 2017 , 25, 1843-1853	11.7	22
78	The promise of fetal cells in maternal blood. <i>Best Practice and Research in Clinical Obstetrics and Gynaecology</i> , 2012 , 26, 655-67	4.6	22
77	Beyond cell capture: antibody conjugation improves hemocompatibility for vascular tissue engineering applications. <i>Tissue Engineering - Part A</i> , 2010 , 16, 2485-95	3.9	22
76	Noninvasive prenatal exclusion of haemoglobin Bart@ using foetal DNA from maternal plasma. <i>Prenatal Diagnosis</i> , 2010 , 30, 65-73	3.2	22
75	Identifying occult maternal malignancies from 1.93 million pregnant women undergoing noninvasive prenatal screening tests. <i>Genetics in Medicine</i> , 2019 , 21, 2293-2302	8.1	21
74	Stability of cell-free DNA from maternal plasma isolated following a single centrifugation step. <i>Prenatal Diagnosis</i> , 2014 , 34, 1283-8	3.2	21

73	Thalassaemia screening and confirmation of carriers in parents. <i>Best Practice and Research in Clinical Obstetrics and Gynaecology</i> , 2017 , 39, 27-40	4.6	21
72	SERS-based quantitative detection of ovarian cancer prognostic factor haptoglobin. <i>International Journal of Nanomedicine</i> , 2015 , 10, 1831-40	7.3	21
71	Noninvasive prenatal diagnosis of fetal aneuploidies and Mendelian disorders: new innovative strategies. <i>Expert Review of Molecular Diagnostics</i> , 2009 , 9, 613-21	3.8	21
70	Fetal Diagnosis and Therapy during the COVID-19 Pandemic: Guidance on Behalf of the International Fetal Medicine and Surgery Society. <i>Fetal Diagnosis and Therapy</i> , 2020 , 47, 689-698	2.4	19
69	Expansion in microcarrier-spinner cultures improves the chondrogenic potential of human early mesenchymal stromal cells. <i>Cytotherapy</i> , 2016 , 18, 740-53	4.8	19
68	Same-day prenatal diagnosis of common chromosomal aneuploidies using microfluidics-fluorescence in situ hybridization. <i>Prenatal Diagnosis</i> , 2012 , 32, 321-8	3.2	18
67	Microsatellite markers within --SEA breakpoints for prenatal diagnosis of HbBarts hydrops fetalis. <i>Clinical Chemistry</i> , 2007 , 53, 173-9	5.5	18
66	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, 2045-55	4.7	17
65	Long-term reproducible expression in human fetal liver hematopoietic stem cells with a UCOE-based lentiviral vector. <i>PLoS ONE</i> , 2014 , 9, e104805	3.7	17
64	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, 1475-85	4.7	17
63	FastFISH: technique for ultrarapid fluorescence in situ hybridization on uncultured amniocytes yielding results within 2 h of amniocentesis. <i>Molecular Human Reproduction</i> , 2007 , 13, 355-9	4.4	17
62	The perception and intention to adopt female-focused healthcare applications (FHA): a comparison between healthcare workers and non-healthcare workers. <i>International Journal of Medical Informatics</i> , 2009 , 78, 248-58	5.3	16
61	Decidual expression and localization of human surfactant protein SP-A and SP-D, and complement protein C1q. <i>Molecular Immunology</i> , 2015 , 66, 197-207	4.3	15
60	Long-Term Fate of Human Fetal Liver Progenitor Cells Transplanted in Injured Mouse Livers. <i>Stem Cells</i> , 2018 , 36, 103-113	5.8	15
59	CD26/DPPIV down-regulation in endometrial stromal cell migration in endometriosis. <i>Fertility and Sterility</i> , 2014 , 102, 167-177.e9	4.8	15
58	Fetal gene therapy: recent advances and current challenges. <i>Expert Opinion on Biological Therapy</i> , 2011 , 11, 1257-71	5.4	15
57	Expandability of haemopoietic progenitors in first trimester fetal and maternal blood: implications for non-invasive prenatal diagnosis. <i>Prenatal Diagnosis</i> , 2002 , 22, 463-9	3.2	15
56	Measurement of fetal fraction in cell-free DNA from maternal plasma using a panel of insertion/deletion polymorphisms. <i>PLoS ONE</i> , 2017 , 12, e0186771	3.7	15

55	Effects of tricalcium phosphate in polycaprolactone scaffold for mesenchymal stem cell-based bone tissue engineering. <i>Materials Technology</i> , 2019 , 34, 361-367	2.1	14
54	Detection of aneuploidy from single fetal nucleated red blood cells using whole genome sequencing. <i>Prenatal Diagnosis</i> , 2015 , 35, 637-44	3.2	14
53	Combined panel of serum human tissue kallikreins and CA-125 for the detection of epithelial ovarian cancer. <i>Journal of Gynecologic Oncology</i> , 2012 , 23, 175-81	4	14
52	Aurora-A expression, hormone receptor status and clinical outcome in hormone related cancers. <i>Pathology</i> , 2010 , 42, 540-6	1.6	14
51	Therapeutic expression of human clotting factors IX and X following adeno-associated viral vector-mediated intrauterine gene transfer in early-gestation fetal macaques. <i>FASEB Journal</i> , 2019 , 33, 3954-3967	0.9	14
50	The case for intrauterine gene therapy. <i>Best Practice and Research in Clinical Obstetrics and Gynaecology</i> , 2012 , 26, 697-709	4.6	13
49	Maternal serum protein profile and immune response protein subunits as markers for non-invasive prenatal diagnosis of trisomy 21, 18, and 13. <i>Prenatal Diagnosis</i> , 2013 , 33, 223-31	3.2	12
48	The case for intrauterine stem cell transplantation. <i>Best Practice and Research in Clinical Obstetrics and Gynaecology</i> , 2012 , 26, 683-95	4.6	12
47	Noninvasive fetal RHD genotyping to guide targeted anti-D prophylaxis-an external quality assessment workshop. <i>Vox Sanguinis</i> , 2019 , 114, 386-393	3.1	11
46	Critical attributes of human early mesenchymal stromal cell-laden microcarrier constructs for improved chondrogenic differentiation. <i>Stem Cell Research and Therapy</i> , 2017 , 8, 93	8.3	11
45	Establishing Prenatal Surgery for Myelomeningocele in Asia: The Singapore Consensus. <i>Fetal Diagnosis and Therapy</i> , 2017 , 41, 161-178	2.4	10
44	Membrane proteins of human fetal primitive nucleated red blood cells. <i>Journal of Proteomics</i> , 2012 , 75, 5762-73	3.9	10
43	Induction of Immunogenic Cell Death in Lymphoma Cells by Wharton® Jelly Mesenchymal Stem Cell Conditioned Medium. <i>Stem Cell Reviews and Reports</i> , 2017 , 13, 801-816	6.4	9
42	Evaluation of preferences of women and healthcare professionals in Singapore for implementation of noninvasive prenatal testing for Down syndrome. <i>Singapore Medical Journal</i> , 2017 , 58, 298-310	1.9	8
41	Ovarian cancer proteomics: Many technologies one goal. <i>Proteomics - Clinical Applications</i> , 2008 , 2, 195-218	3.18	8
40	Fetal and Maternal Safety Considerations for In Utero Therapy Clinical Trials: iFeTiS Consensus Statement. <i>Molecular Therapy</i> , 2020 , 28, 2316-2319	11.7	7
39	Transcriptional Factor PU.1 Regulates Decidual C1q Expression in Early Pregnancy in Human. <i>Frontiers in Immunology</i> , 2015 , 6, 53	8.4	7
38	Fetal therapy: 2020 and beyond. <i>Prenatal Diagnosis</i> , 2010 , 30, 699-701	3.2	7

37	The assessment of combined first trimester screening in women of advanced maternal age in an Asian cohort. <i>Singapore Medical Journal</i> , 2015 , 56, 47-52	1.9	7
36	Investigation of uterotonic properties of Ananas comosus extracts. <i>Journal of Ethnopharmacology</i> , 2016 , 193, 21-29	5	7
35	SERS-based detection of haptoglobin in ovarian cyst fluid as a point-of-care diagnostic assay for epithelial ovarian cancer. <i>Cancer Management and Research</i> , 2019 , 11, 1115-1124	3.6	7
34	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	8.3	6
33	A comparison of intrauterine hemopoietic cell transplantation and lentiviral gene transfer for the correction of severe β -thalassemia in a HbbTh3/+ murine model. <i>Experimental Hematology</i> , 2018 , 62, 45-55	3.1	6
32	Spotlight on the Granules (Grainyhead-Like Proteins) - From an Evolutionary Conserved Controller of Epithelial Trait to Pioneering the Chromatin Landscape. <i>Frontiers in Molecular Biosciences</i> , 2020 , 7, 213	5.6	6
31	Addressing anti-syncytin antibody levels, and fertility and breastfeeding concerns, following BNT162B2 COVID-19 mRNA vaccination		6
30	Model Surgical Training: Skills Acquisition in Fetoscopic Laser Photocoagulation of Monochorionic Diamniotic Twin Placenta Using Realistic Simulators. <i>Journal of Visualized Experiments</i> , 2018 ,	1.6	5
29	Diagnostic accuracy of haptoglobin within ovarian cyst fluid as a potential point-of-care test for epithelial ovarian cancer: an observational study. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2018 , 125, 421-431	3.7	5
28	Biology of human primitive erythroblasts for application in noninvasive prenatal diagnosis. <i>Prenatal Diagnosis</i> , 2018 , 38, 673-684	3.2	5
27	A murine model demonstrating reversal of structural and functional correlates of cirrhosis with progenitor cell transplantation. <i>Scientific Reports</i> , 2019 , 9, 15446	4.9	5
26	Factors associated with mobile health information seeking among Singaporean women. <i>Journal of Women and Aging</i> , 2017 , 29, 75-86	1.4	5
25	Development of highly reliable SERS-active photonic crystal fiber probe and its application in the detection of ovarian cancer biomarker in cyst fluid. <i>Journal of Biophotonics</i> , 2020 , 13, e201960120	3.1	5
24	Dealing with uncertain results from chromosomal microarray and exome sequencing in the prenatal setting: An international cross-sectional study with healthcare professionals. <i>Prenatal Diagnosis</i> , 2021 , 41, 720-732	3.2	5
23	Regionally-specified second trimester fetal neural stem cells reveals differential neurogenic programming. <i>PLoS ONE</i> , 2014 , 9, e105985	3.7	4
22	Human early mesenchymal stromal cells delivered on porous lightweight biodegradable polycaprolactone-based microcarriers result in improved cartilage formation. <i>Materialia</i> , 2020 , 13, 100851 ²	3.2	3
21	Enhanced hepatic differentiation of human amniotic epithelial cells on polyethylene glycol-linked multiwalled carbon nanotube-coated hydrogels. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018 , 12, 1556-1566	4.4	3
20	The design evolution of medical devices: moving from object to user. <i>Journal of Design Research</i> , 2008 , 7, 411	0.5	3

19	Prenatal detection of fetal Down syndrome. <i>Lancet, The</i> , 2001 , 357, 958-9	4.0	3
18	A reasoned approach towards administering COVID-19 vaccines to pregnant women. <i>Prenatal Diagnosis</i> , 2021 , 41, 1018-1035	3.2	3
17	The Role of Long Non-Coding RNAs in Trophoblast Regulation in Preeclampsia and Intrauterine Growth Restriction. <i>Genes</i> , 2021 , 12,	4.2	3
16	Impact of long-term storage of plasma and cell-free DNA on measured DNA quantity and fetal fraction. <i>Vox Sanguinis</i> , 2020 , 115, 586-594	3.1	2
15	Prenatal detection of isochromosome 21 by QF-PCR. A comparison between FISH and traditional karyotyping. <i>Fetal Diagnosis and Therapy</i> , 2008 , 24, 47-50	2.4	2
14	Patients' perception of risk: informed choice in prenatal testing for foetal aneuploidy. <i>Singapore Medical Journal</i> , 2012 , 53, 633-6; quiz 637	1.9	2
13	Preimplantation genetic diagnosis of chromosome translocations by analysis of polymorphic short tandem repeats. <i>Singapore Medical Journal</i> , 2012 , 53, 648-54	1.9	2
12	Fetoscopic versus Ultrasound-Guided Intravascular Delivery of Maternal Bone Marrow Cells in Fetal Macaques: A Technical Model for Intrauterine Haemopoietic Cell Transplantation. <i>Fetal Diagnosis and Therapy</i> , 2019 , 46, 175-186	2.4	1
11	Potent tocolytic activity of ethyl acetate fraction of <i>Ananas comosus</i> on rat and human uteri. <i>Biomedicine and Pharmacotherapy</i> , 2018 , 105, 824-834	7.5	1
10	Prospective Evaluation of International Prediction of Pregnancy Complications Collaborative Network Models for Prediction of Preeclampsia: Role of Serum sFlt-1 at 11-13 Weeks Gestation. <i>Hypertension</i> , 2021 , HYPERTENSIONAHA12118021	8.5	1
9	Author's response to the letter by Li. <i>Prenatal Diagnosis</i> , 2010 , 30, 391-391	3.2	0
8	The authors of the article cited above respond:. <i>Clinical Chemistry</i> , 2007 , 53, 992-992	5.5	0
7	Trisomy 21 in both fetuses in a DCDA twin pregnancy. <i>BMJ Case Reports</i> , 2019 , 12,	0.9	
6	Non-invasive prenatal testing: Women's post-test opinions and raising awareness amongst radiologists. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2016 , 60, 518-9	1.7	
5	Fetal Mesenchymal Stem Cells 2010 , 339-367		
4	Authors' Reply: The assessment of combined first trimester screening in women of advanced maternal age in an Asian cohort. <i>Singapore Medical Journal</i> , 2015 , 56, 360	1.9	
3	TNF α Antagonizes PDGF-AB Chemotactic Effects on Mesenchymal Stem Cells (MSC) Migration. <i>FASEB Journal</i> , 2009 , 23, LB354	0.9	
2	Maternal microchimerism and cell-mediated immune-modulation enhance engraftment following semi-allogenic intrauterine transplantation. <i>FASEB Journal</i> , 2021 , 35, e21413	0.9	

- 1 BNT162B2 COVID-19 mRNA vaccination did not promote substantial anti-syncytin-1 antibody production nor mRNA transfer to breast milk in an exploratory pilot study. *Annals of the Academy of Medicine, Singapore*, **2022**, 51, 309-312 2.8