# Ashley Moffett

List of Publications by Year
in descending order



| 98 | 11,925 | 50276 | 64796 |
|---|---|---|---|
| papers | citations | 46 h-index | 79 g-index |

| 107 | 107 | 107 | 11479 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Single-cell reconstruction of the early maternalâ€“fetal interface in humans. Nature, 2018, 563, 347-353. | 27.8 | 1,547 |
| 2 | Combinations of Maternal KIR and Fetal HLA-C Genes Influence the Risk of Preeclampsia and Reproductive Success. Journal of Experimental Medicine, 2004, 200, 957-965. | 8.5 | 980 |
| 3 | Immunology of placentation in eutherian mammals. Nature Reviews Immunology, 2006, 6, 584-594. | 22.7 | 724 |
| 4 | Pre-eclampsia: pathophysiology and clinical implications. BMJ: British Medical Journal, 2019, 366, l2381. | 2.3 | 613 |
| 5 | Long-term, hormone-responsive organoid cultures of human endometrium in a chemically defined medium. Nature Cell Biology, 2017, 19, 568-577. | 10.3 | 442 |
| 6 | Trophoblast organoids as a model for maternalâ€“fetal interactions during human placentation. Nature, 2018, 564, 263-267. | 27.8 | 436 |
| 7 | Variable NK cell receptors and their MHC class I ligands in immunity, reproduction and human evolution. Nature Reviews Immunology, 2013, 13, 133-144. | 22.7 | 431 |
| 8 | Maternal activating KIRs protect against human reproductive failure mediated by fetal HLA-C2. Journal of Clinical Investigation, 2010, 120, 4102-4110. | 8.2 | 425 |
| 9 | Development of the human placenta. Development (Cambridge), 2019, 146, . | 2.5 | 378 |
| 10 | BRACHYURY and CDX2 Mediate BMP-Induced Differentiation of Human and Mouse Pluripotent Stem Cells into Embryonic and Extraembryonic Lineages. Cell Stem Cell, 2011, 9, 144-155. | 11.1 | 340 |
| 11 | Uterine NK cells: active regulators at the maternal-fetal interface. Journal of Clinical Investigation, 2014, 124, 1872-1879. | 8.2 | 309 |
| 12 | Human leucocyte antigen (HLA) expression of primary trophoblast cells and placental cell lines, determined using single antigen beads to characterize allotype specificities of antiâ€HLA antibodies. Immunology, 2009, 127, 26-39. | 4.4 | 291 |
| 13 | Mapping the temporal and spatial dynamics of the human endometrium in vivo and in vitro. Nature Genetics, 2021, 53, 1698-1711. | 21.4 | 238 |
| 14 | Maternal uterine NK cellâ€“activating receptor KIR2DS1 enhances placentation. Journal of Clinical Investigation, 2013, 123, 4264-4272. | 8.2 | 231 |
| 15 | What Is Trophoblast? A Combination of Criteria Define Human First-Trimester Trophoblast. Stem Cell Reports, 2016, 6, 257-272. | 4.8 | 213 |
| 16 | Variants in the fetal genome near FLT1 are associated with risk of preeclampsia. Nature Genetics, 2017, 49, 1255-1260. | 21.4 | 205 |
| 17 | A homodimeric complex of HLA-G on normal trophoblast cells modulates antigen-presenting cells via LILRB1. European Journal of Immunology, 2007, 37, 1924-1937. | 2.9 | 189 |
| 18 | Human HLA-G+ extravillous trophoblasts: Immune-activating cells that interact with decidual leukocytes. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 7219-7224. | 7.1 | 185 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | First do no harm: uterine natural killer (NK) cells in assisted reproduction. Human Reproduction, 2015, 30, 1519-1525. | 0.9 | 156 |
| 20 | Investigation of human trophoblast invasion in vitro. Human Reproduction Update, 2020, 26, 501-513. | 10.8 | 155 |
| 21 | Coâ€evolution of <scp>NK</scp> receptors and <scp>HLA</scp> ligands in humans is driven by reproduction. Immunological Reviews, 2015, 267, 283-297. | 6.0 | 154 |
| 22 | Immature NK Cells, Capable of Producing IL-22, Are Present in Human Uterine Mucosa. Journal of Immunology, 2010, 185, 3913-3918. | 0.8 | 153 |
| 23 | Killer Ig-Like Receptor Expression in Uterine NK Cells Is Biased toward Recognition of HLA-C and Alters with Gestational Age. Journal of Immunology, 2008, 181, 39-46. | 0.8 | 149 |
| 24 | Maternal KIR in Combination with Paternal HLA-C2 Regulate Human Birth Weight. Journal of Immunology, 2014, 192, 5069-5073. | 0.8 | 136 |
| 25 | Natural killer cells, miscarriage, and infertility. BMJ: British Medical Journal, 2004, 329, 1283-1285. | 2.3 | 135 |
| 26 | A KIR B centromeric region present in Africans but not Europeans protects pregnant women from pre-eclampsia. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 845-850. | 7.1 | 134 |
| 27 | Composition, Development, and Function of Uterine Innate Lymphoid Cells. Journal of Immunology, 2015, 195, 3937-3945. | 0.8 | 130 |
| 28 | Distinctive phenotypes and functions of innate lymphoid cells in human decidua during early pregnancy. Nature Communications, 2020, 11, 381. | 12.8 | 110 |
| 29 | Genetic predisposition to hypertension is associated with preeclampsia in European and Central Asian women. Nature Communications, 2020, 11, 5976. | 12.8 | 102 |
| 30 | Phenotypic and functional characterization of first-trimester human placental macrophages, Hofbauer cells. Journal of Experimental Medicine, 2021, 218, . | 8.5 | 98 |
| 31 | The effect of pregnancy on the uterine NK cell KIR repertoire. European Journal of Immunology, 2011, 41, 3017-3027. | 2.9 | 94 |
| 32 | MHC-dependent inhibition of uterine NK cells impedes fetal growth and decidual vascular remodelling. Nature Communications, 2014, 5, 3359. | 12.8 | 90 |
| 33 | Tissue-Specific Education of Decidual NK Cells. Journal of Immunology, 2015, 195, 3026-3032. | 0.8 | 88 |
| 34 | Establishment and differentiation of long-term trophoblast organoid cultures from the human placenta. Nature Protocols, 2020, 15, 3441-3463. | 12.0 | 86 |
| 35 | Generation of a three-dimensional collagen scaffold-based model of the human endometrium. Interface Focus, 2020, 10, 20190079. | 3.0 | 85 |
| 36 | Pregnancy, parturition and preeclampsia in women of African ancestry. American Journal of Obstetrics and Gynecology, 2014, 210, 510-520.e1. | 1.3 | 80 |

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|---|---|---|---|
| 37 | Activating KIR2DS4 Is Expressed by Uterine NK Cells and Contributes to Successful Pregnancy. Journal of Immunology, 2016, 197, 4292-4300. | 0.8 | 80 |
| 38 | Wide-ranging DNA methylation differences of primary trophoblast cell populations and derived cell lines: implications and opportunities for understanding trophoblast functionâ€. Molecular Human Reproduction, 2011, 17, 344-353. | 2.8 | 76 |
| 39 | Variation of maternal KIR and fetal HLA-C genes in reproductive failure: too early for clinical intervention. Reproductive BioMedicine Online, 2016, 33, 763-769. | 2.4 | 73 |
| 40 | Maternal allo-recognition of the fetus. Fertility and Sterility, 2017, 107, 1269-1272. | 1.0 | 73 |
| 41 | The role of the maternal immune system in the regulation of human birthweight. Philosophical Transactions of the Royal Society B: Biological Sciences, 2015, 370, 20140071. | 4.0 | 70 |
| 42 | A microfluidics assay to study invasion of human placental trophoblast cells. Journal of the Royal Society Interface, 2017, 14, 20170131. | 3.4 | 68 |
| 43 | Tissue stiffness at the human maternalâ€“fetal interface. Human Reproduction, 2019, 34, 1999-2008. | 0.9 | 68 |
| 44 | The Residual Innate Lymphoid Cells in NFIL3-Deficient Mice Support Suboptimal Maternal Adaptations to Pregnancy. Frontiers in Immunology, 2016, 7, 43. | 4.8 | 62 |
| 45 | How Do Uterine Natural Killer and Innate Lymphoid Cells Contribute to Successful Pregnancy?. Frontiers in Immunology, 2021, 12, 607669. | 4.8 | 55 |
| 46 | Molecular characterization of KIR3DL3. Immunogenetics, 2006, 57, 904-916. | 2.4 | 54 |
| 47 | Chemokine Scavenger D6 Is Expressed by Trophoblasts and Aids the Survival of Mouse Embryos Transferred into Allogeneic Recipients. Journal of Immunology, 2010, 184, 3202-3212. | 0.8 | 54 |
| 48 | A niche of trophoblast progenitor cells identified by integrin Î±2 is present in first trimester human placentas. Development (Cambridge), 2018, 145, . | 2.5 | 54 |
| 49 | Characterization of primary models of human trophoblast. Development (Cambridge), 2021, 148, . | 2.5 | 50 |
| 50 | KIR ligand C2 is associated with increased susceptibility to childhood ALL and confers an elevated risk for late relapse. Blood, 2014, 124, 2248-2251. | 1.4 | 48 |
| 51 | KIR2DS5 allotypes that recognize the C2 epitope of HLAâ€C are common among Africans and absent from Europeans. Immunity, Inflammation and Disease, 2017, 5, 461-468. | 2.7 | 45 |
| 52 | Modulation of Human Leukocyte Antigen-C by Human Cytomegalovirus Stimulates KIR2DS1 Recognition by Natural Killer Cells. Frontiers in Immunology, 2017, 8, 298. | 4.8 | 45 |
| 53 | Placental Implantation Disorders. Obstetrics and Gynecology Clinics of North America, 2020, 47, 117-132. | 1.9 | 45 |
| 54 | Clathrin light chains are required for the gyrating-clathrin recycling pathway and thereby promote cell migration. Nature Communications, 2014, 5, 3891. | 12.8 | 44 |

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|---|---|---|---|
| 55 | The CD94/NKG2A inhibitory receptor educates uterine NK cells to optimize pregnancy outcomes in humans and mice. Immunity, 2021, 54, 1231-1244.e4. | 14.3 | 44 |
| 56 | Menstrual flow as a non-invasive source of endometrial organoids. Communications Biology, 2021, 4, 651. | 4.4 | 40 |
| 57 | Natural Killer Cells in Human Pregnancy. Methods in Molecular Biology, 2010, 612, 447-463. | 0.9 | 39 |
| 58 | InÂvitro fertilization add-ons for the endometrium: it doesnâ€™t add-up. Fertility and Sterility, 2019, 112, 987-993. | 1.0 | 38 |
| 59 | Ex vivo functional responses to HLA-G differ between blood and decidual NK cells. Molecular Human Reproduction, 2011, 17, 577-586. | 2.8 | 34 |
| 60 | High-Resolution Genetic and Phenotypic Analysis of KIR2DL1 Alleles and Their Association with Pre-Eclampsia. Journal of Immunology, 2018, 201, 2593-2601. | 0.8 | 33 |
| 61 | The role of shed placental DNA in the systemic inflammatory syndrome of preeclampsia. American Journal of Obstetrics and Gynecology, 2015, 213, 268-277. | 1.3 | 31 |
| 62 | Decision-to-delivery interval of emergency cesarean section in Uganda: a retrospective cohort study. BMC Pregnancy and Childbirth, 2020, 20, 324. | 2.4 | 29 |
| 63 | BAP1/ASXL complex modulation regulates epithelial-mesenchymal transition during trophoblast differentiation and invasion. ELife, 2021, 10, . | 6.0 | 27 |
| 64 | Isolation of Cells from the Fetoâ€Maternal Interface. Current Protocols in Immunology, 2012, 97, Unit 7.40.1-11. | 3.6 | 25 |
| 65 | Variations in killer-cell immunoglobulin-like receptor and human leukocyte antigen genes and immunity to malaria. Cellular and Molecular Immunology, 2020, 17, 799-806. | 10.5 | 23 |
| 66 | Reproduction, infection and killer-cell immunoglobulin-like receptor haplotype evolution. Immunogenetics, 2016, 68, 755-764. | 2.4 | 21 |
| 67 | Hypertension Persisting after Pre-Eclampsia: A Prospective Cohort Study at Mulago Hospital, Uganda. PLoS ONE, 2013, 8, e85273. | 2.5 | 15 |
| 68 | Capacity for science in sub-Saharan Africa. Lancet, The, 2015, 385, 2435-2437. | 13.7 | 15 |
| 69 | Polymorphism in killer cell immunoglobulin-like receptors and human leukocyte antigen-c and predisposition to preeclampsia in Ethiopian pregnant women population. Journal of Reproductive Immunology, 2020, 141, 103169. | 1.9 | 12 |
| 70 | The maternal and placental origins of chronic disease. , 2010, , 5-16. | | 11 |
| 71 | Reply: First do no harm: continuing the uterine NK cell debate. Human Reproduction, 2016, 31, 218-219. | 0.9 | 11 |
| 72 | Relative impact of pre-eclampsia on birth weight in a low resource setting: A prospective cohort study. Pregnancy Hypertension, 2020, 21, 1-6. | 1.4 | 11 |

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|---|---|---|---|
| 73 | Inhibition of Phosphoinositide-3-Kinase Signaling Promotes the Stem Cell State of Trophoblast. Stem Cells, 2019, 37, 1307-1318. | 3.2 | 10 |
| 74 | Clinical causes and aspects of placental insufficiency. , 0, , 114-125. | | 7 |
| 75 | Human evolution: brain, birthweight and the immune system. Philosophical Transactions of the Royal Society B: Biological Sciences, 2015, 370, 20140061. | 4.0 | 7 |
| 76 | Association of maternal KIR and fetal HLA-C genes with the risk of preeclampsia in the Chinese Han population, Long etÂal.. Placenta, 2015, 36, 967. | 1.5 | 6 |
| 77 | Diversity of KIR genes and their HLA-C ligands in Ugandan populations with historically varied malaria transmission intensity. Malaria Journal, 2021, 20, 111. | 2.3 | 5 |
| 78 | Uterine blood flow as a determinant of fetoplacental development. , 0, , 126-146. | | 4 |
| 79 | NK cell allorecognition. Nature Reviews Immunology, 2017, 17, 466-466. | 22.7 | 3 |
| 80 | The maternal circulation and placental shape. , 2010, , 161-174. | | 3 |
| 81 | Preventing death following unsafe abortion: a case series from urban Uganda. AJOG Global Reports, 2022, 2, 100039. | 1.0 | 3 |
| 82 | Pregnancy disorders in Africa and the obstetric dilemma. Transactions of the Royal Society of Tropical Medicine and Hygiene, 2016, 110, 681-683. | 1.8 | 2 |
| 83 | Placental amino acid transporters. , 0, , 147-160. | | 1 |
| 84 | Nutrition and preimplantation development. , 0, , 35-46. | | 1 |
| 85 | Trophoblast invasion and uterine artery remodelling in primates. , 0, , 92-101. | | 1 |
| 86 | Charlie Loke: Contributions from Tennis Court Roadâ€"Past, Present and Future. Placenta, 2003, 24, S4-S9. | 1.5 | 0 |
| 87 | Placental function and later risk of osteoporosis. , 0, , 216-228. | | 0 |
| 88 | Glucocorticoids and placental programming. , 0, , 175-187. | | 0 |
| 89 | Imprinted genes and placental growth. , 0, , 57-73. | | 0 |
| 90 | Reply. American Journal of Obstetrics and Gynecology, 2016, 214, 548-549. | 1.3 | 0 |

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|---|---|---|---|
| 91 | Pre- and periconceptual health and the HPA axis. , 0, , 17-34. | | 0 |
| 92 | Maternofetal transport pathways during embryogenesis and organogenesis. , 0, , 47-56. | | 0 |
| 93 | Genomic imprinting. , 0, , 74-91. | | 0 |
| 94 | The role of the maternal immune response in fetal programming. , 0, , 102-113. | | 0 |
| 95 | Clinical biomarkers of placental development. , 0, , 188-200. | | 0 |
| 96 | The placental roots of cardiovascular disease. , 0, , 201-215. | | 0 |
| 97 | Final general discussion. , 0, , 229-232. | | 0 |
| 98 | The placenta and developmental programming. , 0, , 233-235. | | 0 |