

David A Macintyre

List of Publications by Year in descending order

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Version: 2024-02-01

81
papers

4,921
citations

126907

33
h-index

102487

66
g-index

88
all docs

88
docs citations

88
times ranked

6262
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Chromosomally normal miscarriage is associated with vaginal dysbiosis and local inflammation. <i>BMC Medicine</i> , 2022, 20, 38. | 5.5 | 21 |
| 2 | Microbial-driven preterm labour involves crosstalk between the innate and adaptive immune response. <i>Nature Communications</i> , 2022, 13, 975. | 12.8 | 38 |
| 3 | Risk Factors for Ovarian Cancer: An Umbrella Review of the Literature. <i>Cancers</i> , 2022, 14, 2708. | 3.7 | 8 |
| 4 | Microbial signatures of preterm birth. , 2021, , 55-79. | | 0 |
| 5 | Miscarriage matters: the epidemiological, physical, psychological, and economic costs of early pregnancy loss. <i>Lancet, The</i> , 2021, 397, 1658-1667. | 13.7 | 508 |
| 6 | The association between obesity and weight loss after bariatric surgery on the vaginal microbiota. <i>Microbiome</i> , 2021, 9, 124. | 11.1 | 14 |
| 7 | Proteome-wide prediction of bacterial carbohydrate-binding proteins as a tool for understanding commensal and pathogen colonisation of the vaginal microbiome. <i>Npj Biofilms and Microbiomes</i> , 2021, 7, 49. | 6.4 | 11 |
| 8 | The reproductive tract microbiota in pregnancy. <i>Bioscience Reports</i> , 2021, 41, . | 2.4 | 11 |
| 9 | The vaginal microbiota and innate immunity after local excisional treatment for cervical intraepithelial neoplasia. <i>Genome Medicine</i> , 2021, 13, 176. | 8.2 | 25 |
| 10 | Vaginal Microbiota, Genital Inflammation and Extracellular Matrix Remodelling Collagenase: MMP-9 in Pregnant Women With HIV, a Potential Preterm Birth Mechanism Warranting Further Exploration. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 750103. | 3.9 | 6 |
| 11 | Reporting guidelines for human microbiome research: the STORMS checklist. <i>Nature Medicine</i> , 2021, 27, 1885-1892. | 30.7 | 170 |
| 12 | Whole Blood Holding Time Prior to Plasma Processing Alters microRNA Expression Profile. <i>Frontiers in Genetics</i> , 2021, 12, 818334. | 2.3 | 2 |
| 13 | Direct on-swab metabolic profiling of vaginal microbiome host interactions during pregnancy and preterm birth. <i>Nature Communications</i> , 2021, 12, 5967. | 12.8 | 33 |
| 14 | Large-scale characterisation of the pregnancy vaginal microbiome and sialidase activity in a low-risk Chinese population. <i>Npj Biofilms and Microbiomes</i> , 2021, 7, 89. | 6.4 | 10 |
| 15 | The association between vaginal bacterial composition and miscarriage: a nested case-control study. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2020, 127, 264-274. | 2.3 | 89 |
| 16 | CCR2 mediates the adverse effects of LPS in the pregnant mouse. <i>Biology of Reproduction</i> , 2020, 102, 445-455. | 2.7 | 2 |
| 17 | The vaginal microbiome in uterine transplantation. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2020, 127, 230-238. | 2.3 | 19 |
| 18 | Maternal plasma miRNAs as potential biomarkers for detecting risk of small-for-gestational-age births. <i>EBioMedicine</i> , 2020, 62, 103145. | 6.1 | 26 |

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|----|---|------|-----------|
| 19 | The pregnancy microbiome and preterm birth. <i>Seminars in Immunopathology</i> , 2020, 42, 487-499. | 6.1 | 71 |
| 20 | Laser-assisted rapid evaporative ionisation mass spectrometry (LA-REIMS) as a metabolomics platform in cervical cancer screening. <i>EBioMedicine</i> , 2020, 60, 103017. | 6.1 | 29 |
| 21 | Vaginal Microbiome in Preterm Rupture of Membranes. <i>Obstetrics and Gynecology Clinics of North America</i> , 2020, 47, 503-521. | 1.9 | 39 |
| 22 | Differential Response of Gestational Tissues to TLR3 Viral Priming Prior to Exposure to Bacterial TLR2 and TLR2/6 Agonists. <i>Frontiers in Immunology</i> , 2020, 11, 1899. | 4.8 | 8 |
| 23 | The vaginal microbiota associates with the regression of untreated cervical intraepithelial neoplasia 2 lesions. <i>Nature Communications</i> , 2020, 11, 1999. | 12.8 | 111 |
| 24 | The intelligent knife (iKnife) and its intraoperative diagnostic advantage for the treatment of cervical disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 7338-7346. | 7.1 | 59 |
| 25 | Lactobacillus-Depleted Vaginal Microbiota in Pregnant Women Living With HIV-1 Infection Are Associated With Increased Local Inflammation and Preterm Birth. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 596917. | 3.9 | 14 |
| 26 | Prospective observational study of vaginal microbiota pre- and post-rescue cervical cerclage. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2019, 126, 916-925. | 2.3 | 47 |
| 27 | First Trimester Circulating MicroRNA Biomarkers Predictive of Subsequent Preterm Delivery and Cervical Shortening. <i>Scientific Reports</i> , 2019, 9, 5861. | 3.3 | 50 |
| 28 | Oligonucleotide-templated lateral flow assays for amplification-free sensing of circulating microRNAs. <i>Chemical Communications</i> , 2019, 55, 12451-12454. | 4.1 | 23 |
| 29 | Establishment of vaginal microbiota composition in early pregnancy and its association with subsequent preterm prelabor rupture of the fetal membranes. <i>Translational Research</i> , 2019, 207, 30-43. | 5.0 | 110 |
| 30 | Progesterone, the maternal immune system and the onset of parturition in the mouse. <i>Biology of Reproduction</i> , 2018, 98, 376-395. | 2.7 | 33 |
| 31 | Assessment of microbiota: host interactions at the vaginal mucosa interface. <i>Methods</i> , 2018, 149, 74-84. | 3.8 | 20 |
| 32 | Association Between Prepregnancy Cardiovascular Function and Subsequent Preeclampsia or Fetal Growth Restriction. <i>Hypertension</i> , 2018, 72, 442-450. | 2.7 | 116 |
| 33 | Vaginal dysbiosis increases risk of preterm fetal membrane rupture, neonatal sepsis and is exacerbated by erythromycin. <i>BMC Medicine</i> , 2018, 16, 9. | 5.5 | 202 |
| 34 | KODAMA: an R package for knowledge discovery and data mining. <i>Bioinformatics</i> , 2017, 33, 621-623. | 4.1 | 33 |
| 35 | The interaction between vaginal microbiota, cervical length, and vaginal progesterone treatment for preterm birth risk. <i>Microbiome</i> , 2017, 5, 6. | 11.1 | 266 |
| 36 | Medical Swab Analysis Using Desorption Electrospray Ionization Mass Spectrometry: A Noninvasive Approach for Mucosal Diagnostics. <i>Analytical Chemistry</i> , 2017, 89, 1540-1550. | 6.5 | 31 |

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|----|---|------|-----------|
| 37 | Urinary Metabolic Phenotyping of Women with Lower Urinary Tract Symptoms. <i>Journal of Proteome Research</i> , 2017, 16, 4208-4216. | 3.7 | 13 |
| 38 | Comparison of vaginal microbiota sampling techniques: cytobrush versus swab. <i>Scientific Reports</i> , 2017, 7, 9802. | 3.3 | 27 |
| 39 | The human female urogenital microbiome: complexity in normality. <i>Emerging Topics in Life Sciences</i> , 2017, 1, 363-372. | 2.6 | 15 |
| 40 | Pathophysiology of Preterm Birth. , 2017, , 1732-1737.e2. | | 1 |
| 41 | The effect of gestational age and cervical length measurements in the prediction of spontaneous preterm birth in twin pregnancies: an individual patient level meta-analysis. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2016, 123, 877-884. | 2.3 | 54 |
| 42 | The Local and Systemic Immune Response to Intrauterine LPS in the Prepartum Mouse. <i>Biology of Reproduction</i> , 2016, 95, 125-125. | 2.7 | 35 |
| 43 | Relationship between vaginal microbial dysbiosis, inflammation, and pregnancy outcomes in cervical cerclage. <i>Science Translational Medicine</i> , 2016, 8, 350ra102. | 12.4 | 137 |
| 44 | The vaginal microbiota, human papillomavirus infection and cervical intraepithelial neoplasia: what do we know and where are we going next?. <i>Microbiome</i> , 2016, 4, 58. | 11.1 | 290 |
| 45 | Modeling hormonal and inflammatory contributions to preterm and term labor using uterine temporal transcriptomics. <i>BMC Medicine</i> , 2016, 14, 86. | 5.5 | 63 |
| 46 | Characterisation of the vaginal microbiome in cervical intraepithelial neoplasia. <i>Lancet, The</i> , 2016, 387, S75. | 13.7 | 5 |
| 47 | Role of the vaginal microbiome in preterm prelabour rupture of the membranes: an observational study. <i>Lancet, The</i> , 2016, 387, S22. | 13.7 | 5 |
| 48 | The oxytocin receptor antagonist, Atosiban, activates pro-inflammatory pathways in human amnion via $Gi\alpha$ signalling. <i>Molecular and Cellular Endocrinology</i> , 2016, 420, 11-23. | 3.2 | 24 |
| 49 | Preterm Birth Prevention Post-Conization: A Model of Cervical Length Screening with Targeted Cerclage. <i>PLoS ONE</i> , 2016, 11, e0163793. | 2.5 | 36 |
| 50 | Handing on Health to the Next Generation. , 2016, , 213-264. | | 0 |
| 51 | Sulfasalazine augments a pro-inflammatory response in interleukin-1 β -stimulated amniocytes and myocytes. <i>Immunology</i> , 2015, 146, 630-644. | 4.4 | 20 |
| 52 | Oxytocin activates NF- κ B-mediated inflammatory pathways in human gestational tissues. <i>Molecular and Cellular Endocrinology</i> , 2015, 403, 64-77. | 3.2 | 48 |
| 53 | Exogenous oxytocin modulates human myometrial microRNAs. <i>American Journal of Obstetrics and Gynecology</i> , 2015, 213, 65.e1-65.e9. | 1.3 | 23 |
| 54 | The vaginal microbiome during pregnancy and the postpartum period in a European population. <i>Scientific Reports</i> , 2015, 5, 8988. | 3.3 | 415 |

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|----|--|-----|-----------|
| 55 | Specific inhibition of c-Jun N-terminal kinase delays preterm labour and reduces mortality. <i>Reproduction</i> , 2015, 150, 269-277. | 2.6 | 21 |
| 56 | Specific Lipopolysaccharide Serotypes Induce Differential Maternal and Neonatal Inflammatory Responses in a Murine Model of Preterm Labor. <i>American Journal of Pathology</i> , 2015, 185, 2390-2401. | 3.8 | 67 |
| 57 | Anti-inflammatory prostaglandins for the prevention of preterm labour. <i>Reproduction</i> , 2014, 148, R29-R40. | 2.6 | 45 |
| 58 | VAGINAL MICROBIOMEâ€“PREGNANT HOST INTERACTIONS DETERMINE A SIGNIFICANT PROPORTION OF PRETERM LABOUR. <i>Fetal and Maternal Medicine Review</i> , 2014, 25, 73-78. | 0.3 | 9 |
| 59 | Calcium channel blockers are effective as first line for tocolysis in the management of preterm labour. <i>Evidence-Based Medicine</i> , 2014, 19, 214-214. | 0.6 | 1 |
| 60 | Brown and white adipose tissues: intrinsic differences in gene expression and response to cold exposure in mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014, 306, E945-E964. | 3.5 | 296 |
| 61 | Activator protein 1 is a key terminal mediator of inflammationâ€“induced preterm labor in mice. <i>FASEB Journal</i> , 2014, 28, 2358-2368. | 0.5 | 91 |
| 62 | The <sc>CRTH</sc>2 agonist <sc>P</sc>yl <sc>A</sc> prevents lipopolysaccharideâ€“induced fetal death but induces preterm labour. <i>Immunology</i> , 2013, 139, 352-365. | 4.4 | 3 |
| 63 | PL.41â€“..Specific MicroRNAs are Differentially Expressed in Labouring and Non-Labouring Human Myometrium at Term. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2013, 98, A66.1-A66. | 2.8 | 0 |
| 64 | Changes in the Th1â€“:â€“Th2 Cytokine Bias in Pregnancy and the Effects of the Anti-Inflammatory Cyclopentenone Prostaglandin 15-Deoxy- I^2 Mediators of Inflammation, 2012, 2012, 1-12. | 3.0 | 240 |
| 65 | The Th1:Th2 Dichotomy of Pregnancy and Preterm Labour. <i>Mediators of Inflammation</i> , 2012, 2012, 1-12. | 3.0 | 240 |
| 66 | Development of a novel analytical approach combining the quantification of amino acids, organic acids and glucose using HPLC-UV-Vis and HPLC-MS with screening viaNMR. <i>Analytical Methods</i> , 2012, 4, 284-290. | 2.7 | 6 |
| 67 | Prevention of preterm labour via the modulation of inflammatory pathways. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2012, 25, 17-20. | 1.5 | 56 |
| 68 | Chemoattractant Receptor Homologous to the T Helper 2 Cell (CRTH2) Is Not Expressed in Human Amniocytes and Myocytes. <i>PLoS ONE</i> , 2012, 7, e50734. | 2.5 | 10 |
| 69 | Nuclear Factor Kappa B Activation Occurs in the Amnion Prior to Labour Onset and Modulates the Expression of Numerous Labour Associated Genes. <i>PLoS ONE</i> , 2012, 7, e34707. | 2.5 | 54 |
| 70 | Characterisation of Human Embryonic Stem Cells Conditioning Media by 1H-Nuclear Magnetic Resonance Spectroscopy. <i>PLoS ONE</i> , 2011, 6, e16732. | 2.5 | 23 |
| 71 | Serum metabolome analysis by 1H-NMR reveals differences between chronic lymphocytic leukaemia molecular subgroups. <i>Leukemia</i> , 2010, 24, 788-797. | 7.2 | 132 |
| 72 | Serum Metabolic Signature of Minimal Hepatic Encephalopathy by ¹ H-Nuclear Magnetic Resonance. <i>Journal of Proteome Research</i> , 2010, 9, 5180-5187. | 3.7 | 54 |

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|----|--|-----|-----------|
| 73 | Spontaneous and induced labour are associated with different myometrial proteomes in the human. <i>Proteomics - Clinical Applications</i> , 2009, 3, 288-298. | 1.6 | 2 |
| 74 | Contraction in Human Myometrium Is Associated with Changes in Small Heat Shock Proteins. <i>Endocrinology</i> , 2008, 149, 245-252. | 2.8 | 44 |
| 75 | Evidence that a Protein Kinase A Substrate, Small Heat-Shock Protein 20, Modulates Myometrial Relaxation in Human Pregnancy. <i>Endocrinology</i> , 2008, 149, 6157-6165. | 2.8 | 34 |
| 76 | Progesterone Receptor or Cytoskeletal Protein?. <i>Reproductive Sciences</i> , 2007, 14, 217-222. | 2.5 | 14 |
| 77 | MYOMETRIAL ACTIVATION – COORDINATION, CONNECTIVITY AND CONTRACTILITY. <i>Fetal and Maternal Medicine Review</i> , 2007, 18, 333-356. | 0.3 | 6 |
| 78 | Differential enrichment of high- and low-molecular weight proteins and concurrent RNA extraction. <i>Analytical Biochemistry</i> , 2006, 359, 274-276. | 2.4 | 9 |
| 79 | The Identification of Mouse Sperm-Surface-Associated Proteins and Characterization of Their Ability to Act as Decapacitation Factors1. <i>Biology of Reproduction</i> , 2006, 74, 275-287. | 2.7 | 128 |
| 80 | Inflammatory Aetiology of Human Myometrial Activation Tested Using Directed Graphs. <i>PLoS Computational Biology</i> , 2005, 1, e19. | 3.2 | 42 |
| 81 | Lateral Flow Test (LFT) Detects Cell-Free MicroRNAs Predictive of Preterm Birth Directly from Human Plasma. <i>Advanced NanoBiomed Research</i> , 0, , 2200026. | 3.6 | 2 |