

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	Miscarriage matters: the epidemiological, physical, psychological, and economic costs of early pregnancy loss. <i>Lancet</i> , The, 2021, 397, 1658-1667.	13.7	508
2	The vaginal microbiome during pregnancy and the postpartum period in a European population. <i>Scientific Reports</i> , 2015, 5, 8988.	3.3	415
3	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
4	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
5	The interaction between vaginal microbiota, cervical length, and vaginal progesterone treatment for preterm birth risk. <i>Microbiome</i> , 2017, 5, 6.	11.1	266
6	The Th1:Th2 Dichotomy of Pregnancy and Preterm Labour. <i>Mediators of Inflammation</i> , 2012, 2012, 1-12.	3.0	240
7	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
8	Reporting guidelines for human microbiome research: the STORMS checklist. <i>Nature Medicine</i> , 2021, 27, 1885-1892.	30.7	170
9	Relationship between vaginal microbial dysbiosis, inflammation, and pregnancy outcomes in cervical cerclage. <i>Science Translational Medicine</i> , 2016, 8, 350ra102.	12.4	137
10	Serum metabolome analysis by 1H-NMR reveals differences between chronic lymphocytic leukaemia molecular subgroups. <i>Leukemia</i> , 2010, 24, 788-797.	7.2	132
11	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
12	Association Between Prepregnancy Cardiovascular Function and Subsequent Preeclampsia or Fetal Growth Restriction. <i>Hypertension</i> , 2018, 72, 442-450.	2.7	116
13	The vaginal microbiota associates with the regression of untreated cervical intraepithelial neoplasia 2 lesions. <i>Nature Communications</i> , 2020, 11, 1999.	12.8	111
14	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
15	Activator protein 1 is a key terminal mediator of inflammation-induced preterm labor in mice. <i>FASEB Journal</i> , 2014, 28, 2358-2368.	0.5	91
16	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
17	The pregnancy microbiome and preterm birth. <i>Seminars in Immunopathology</i> , 2020, 42, 487-499.	6.1	71
18	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

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19	Modeling hormonal and inflammatory contributions to preterm and term labor using uterine temporal transcriptomics. BMC Medicine, 2016, 14, 86.	5.5	63
20	Changes in the Th1 α : β Th2 Cytokine Bias in Pregnancy and the Effects of the Anti-Inflammatory Cyclopentenone Prostaglandin 15-Deoxy- β -D-glucopyranoside on the Expression of Th1 and Th2 Mediators of Inflammation, 2012, 2012, 1-12.	10.12	102
21	The intelligent knife (iKnife) and its intraoperative diagnostic advantage for the treatment of cervical disease. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 7338-7346.	7.1	59
22	Prevention of preterm labour via the modulation of inflammatory pathways. Journal of Maternal-Fetal and Neonatal Medicine, 2012, 25, 17-20.	1.5	56
23	Serum Metabolic Signature of Minimal Hepatic Encephalopathy by ^1H -Nuclear Magnetic Resonance. Journal of Proteome Research, 2010, 9, 5180-5187.	3.7	54
24	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. BJOG: an International Journal of Obstetrics and Gynaecology, 2016, 123, 877-884.	2.3	54
25	Nuclear Factor Kappa B Activation Occurs in the Amnion Prior to Labour Onset and Modulates the Expression of Numerous Labour Associated Genes. PLoS ONE, 2012, 7, e34707.	2.5	54
26	First Trimester Circulating MicroRNA Biomarkers Predictive of Subsequent Preterm Delivery and Cervical Shortening. Scientific Reports, 2019, 9, 5861.	3.3	50
27	Oxytocin activates NF- κ B-mediated inflammatory pathways in human gestational tissues. Molecular and Cellular Endocrinology, 2015, 403, 64-77.	3.2	48
28	Prospective observational study of vaginal microbiota pre- and post-rescue cervical cerclage. BJOG: an International Journal of Obstetrics and Gynaecology, 2019, 126, 916-925.	2.3	47
29	Anti-inflammatory prostaglandins for the prevention of preterm labour. Reproduction, 2014, 148, R29-R40.	2.6	45
30	Contraction in Human Myometrium Is Associated with Changes in Small Heat Shock Proteins. Endocrinology, 2008, 149, 245-252.	2.8	44
31	Inflammatory Aetiology of Human Myometrial Activation Tested Using Directed Graphs. PLoS Computational Biology, 2005, 1, e19.	3.2	42
32	Vaginal Microbiome in Preterm Rupture of Membranes. Obstetrics and Gynecology Clinics of North America, 2020, 47, 503-521.	1.9	39
33	Microbial-driven preterm labour involves crosstalk between the innate and adaptive immune response. Nature Communications, 2022, 13, 975.	12.8	38
34	Preterm Birth Prevention Post-Conization: A Model of Cervical Length Screening with Targeted Cerclage. PLoS ONE, 2016, 11, e0163793.	2.5	36
35	The Local and Systemic Immune Response to Intrauterine LPS in the Parturient Mouse. Biology of Reproduction, 2016, 95, 125-125.	2.7	35
36	Evidence that a Protein Kinase A Substrate, Small Heat-Shock Protein 20, Modulates Myometrial Relaxation in Human Pregnancy. Endocrinology, 2008, 149, 6157-6165.	2.8	34

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37	KODAMA: an R package for knowledge discovery and data mining. <i>Bioinformatics</i> , 2017, 33, 621-623.	4.1	33
38	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
39	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
40	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
41	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
42	Comparison of vaginal microbiota sampling techniques: cytobrush versus swab. <i>Scientific Reports</i> , 2017, 7, 9802.	3.3	27
43	Maternal plasma miRNAs as potential biomarkers for detecting risk of small-for-gestational-age births. <i>EBioMedicine</i> , 2020, 62, 103145.	6.1	26
44	The vaginal microbiota and innate immunity after local excisional treatment for cervical intraepithelial neoplasia. <i>Genome Medicine</i> , 2021, 13, 176.	8.2	25
45	The oxytocin receptor antagonist, Atosiban, activates pro-inflammatory pathways in human amnion via G α i signalling. <i>Molecular and Cellular Endocrinology</i> , 2016, 420, 11-23.	3.2	24
46	Exogenous oxytocin modulates human myometrial microRNAs. <i>American Journal of Obstetrics and Gynecology</i> , 2015, 213, 65.e1-65.e9.	1.3	23
47	Oligonucleotide-templated lateral flow assays for amplification-free sensing of circulating microRNAs. <i>Chemical Communications</i> , 2019, 55, 12451-12454.	4.1	23
48	Characterisation of Human Embryonic Stem Cells Conditioning Media by 1H-Nuclear Magnetic Resonance Spectroscopy. <i>PLoS ONE</i> , 2011, 6, e16732.	2.5	23
49	Specific inhibition of c-Jun N-terminal kinase delays preterm labour and reduces mortality. <i>Reproduction</i> , 2015, 150, 269-277.	2.6	21
50	Chromosomally normal miscarriage is associated with vaginal dysbiosis and local inflammation. <i>BMC Medicine</i> , 2022, 20, 38.	5.5	21
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	Assessment of microbiota: host interactions at the vaginal mucosa interface. <i>Methods</i> , 2018, 149, 74-84.	3.8	20
53	The vaginal microbiome in uterine transplantation. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2020, 127, 230-238.	2.3	19
54	The human female urogenital microbiome: complexity in normality. <i>Emerging Topics in Life Sciences</i> , 2017, 1, 363-372.	2.6	15

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55	Progesterone Receptor or Cytoskeletal Protein?. <i>Reproductive Sciences</i> , 2007, 14, 217-222.	2.5	14
56	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
57	The association between obesity and weight loss after bariatric surgery on the vaginal microbiota. <i>Microbiome</i> , 2021, 9, 124.	11.1	14
58	Urinary Metabolic Phenotyping of Women with Lower Urinary Tract Symptoms. <i>Journal of Proteome Research</i> , 2017, 16, 4208-4216.	3.7	13
59	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
60	The reproductive tract microbiota in pregnancy. <i>Bioscience Reports</i> , 2021, 41, .	2.4	11
61	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
62	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
63	Differential enrichment of high- and low-molecular weight proteins and concurrent RNA extraction. <i>Analytical Biochemistry</i> , 2006, 359, 274-276.	2.4	9
64	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
65	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
66	Risk Factors for Ovarian Cancer: An Umbrella Review of the Literature. <i>Cancers</i> , 2022, 14, 2708.	3.7	8
67	MYOMETRIAL ACTIVATION â€“ COORDINATION, CONNECTIVITY AND CONTRACTILITY. <i>Fetal and Maternal Medicine Review</i> , 2007, 18, 333-356.	0.3	6
68	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
69	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
70	Characterisation of the vaginal microbiome in cervical intraepithelial neoplasia. <i>Lancet, The</i> , 2016, 387, S75.	13.7	5
71	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
72	The <sc>CRTH</sc>2 agonist <sc>P</sc> <sc>A</sc> prevents lipopolysaccharideâ€“induced fetal death but induces preterm labour. <i>Immunology</i> , 2013, 139, 352-365.	4.4	3

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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	CCR2 mediates the adverse effects of LPS in the pregnant mouse. <i>Biology of Reproduction</i> , 2020, 102, 445-455.	2.7	2
75	Whole Blood Holding Time Prior to Plasma Processing Alters microRNA Expression Profile. <i>Frontiers in Genetics</i> , 2021, 12, 818334.	2.3	2
76	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
77	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
78	Pathophysiology of Preterm Birth. , 2017, , 1732-1737.e2.		1
79	PL.41-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
80	Microbial signatures of preterm birth. , 2021, , 55-79.		0
81	Handing on Health to the Next Generation. , 2016, , 213-264.		0