

# Ralph Nanan

## List of Publications by Year in descending order

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106  
papers

5,165  
citations

172386

29  
h-index

88593

70  
g-index

110  
all docs

110  
docs citations

110  
times ranked

8636  
citing authors

#	ARTICLE	IF	CITATIONS
1	Expression of interleukin (IL)-2 and IL-7 receptors discriminates between human regulatory and activated T cells. <i>Journal of Experimental Medicine</i> , 2006, 203, 1693-1700.	4.2	1,354
2	Systemic Increase in the Ratio between Foxp3+ and IL-17-Producing CD4+ T Cells in Healthy Pregnancy but Not in Preeclampsia. <i>Journal of Immunology</i> , 2009, 183, 7023-7030.	0.4	425
3	Early commitment of naïve human CD4 <sup>+</sup> T cells to the T follicular helper (T <sub>FH</sub> ) cell lineage is induced by IL-12. <i>Immunology and Cell Biology</i> , 2009, 87, 590-600.	1.0	310
4	Persistence of naive CD45RA+ regulatory T cells in adult life. <i>Blood</i> , 2006, 107, 2830-2838.	0.6	246
5	IL-10 Potentiates Differentiation of Human Induced Regulatory T Cells via STAT3 and Foxo1. <i>Journal of Immunology</i> , 2015, 195, 3665-3674.	0.4	219
6	An emerging model of maternity care: Smartphone, midwife, doctor?. <i>Women and Birth</i> , 2014, 27, 64-67.	0.9	185
7	Altered Decidual DC-SIGN+ Antigen-Presenting Cells and Impaired Regulatory T-Cell Induction in Preeclampsia. <i>American Journal of Pathology</i> , 2012, 181, 2149-2160.	1.9	157
8	Host- and Microbiota-Derived Extracellular Vesicles, Immune Function, and Disease Development. <i>International Journal of Molecular Sciences</i> , 2020, 21, 107.	1.8	142
9	STAT3 is required for IL-21-induced secretion of IgE from human naive B cells. <i>Blood</i> , 2008, 112, 1784-1793.	0.6	117
10	Proliferation of weakly suppressive regulatory CD4 <sup>+</sup> T cells is associated with overactive CD4 <sup>+</sup> T cell responses in HIV-positive patients with mycobacterial immune restoration disease. <i>European Journal of Immunology</i> , 2009, 39, 391-403.	1.6	111
11	Human Milk and Allergic Diseases: An Unsolved Puzzle. <i>Nutrients</i> , 2017, 9, 894.	1.7	111
12	Differential expression of CD21 identifies developmentally and functionally distinct subsets of human transitional B cells. <i>Blood</i> , 2010, 115, 519-529.	0.6	110
13	Innate and Adaptive Immune Interactions at the Fetal-Maternal Interface in Healthy Human Pregnancy and Pre-Eclampsia. <i>Frontiers in Immunology</i> , 2014, 5, 125.	2.2	102
14	Measles virus-induced down-regulation of CD46 is associated with enhanced sensitivity to complement-mediated lysis of infected cells. <i>European Journal of Immunology</i> , 1995, 25, 976-984.	1.6	97
15	Decreased maternal serum acetate and impaired fetal thymic and regulatory T cell development in preeclampsia. <i>Nature Communications</i> , 2019, 10, 3031.	5.8	91
16	Variants in TRIM22 That Affect NOD2 Signaling Are Associated With Very-Early-Onset Inflammatory Bowel Disease. <i>Gastroenterology</i> , 2016, 150, 1196-1207.	0.6	88
17	The maternal microbiome during pregnancy and allergic disease in the offspring. <i>Seminars in Immunopathology</i> , 2017, 39, 669-675.	2.8	80
18	Acute and long-term effects of booster immunisation on frequencies of antigen-specific memory B-lymphocytes. <i>Vaccine</i> , 2001, 20, 498-504.	1.7	77

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19	The Kynurenine Pathway of Tryptophan Degradation is Activated During Osteoblastogenesis. <i>Stem Cells</i> , 2015, 33, 111-121.	1.4	61
20	Immune Effects of Interferon Gamma in Persistent Staphylococcal Sepsis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2012, 185, 110-112.	2.5	58
21	Perinatal risk factors for the neonatal abstinence syndrome in infants born to women on methadone maintenance therapy. <i>Australian and New Zealand Journal of Obstetrics and Gynaecology</i> , 2010, 50, 253-258.	0.4	57
22	The maternal gut microbiome during pregnancy and offspring allergy and asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2021, 148, 669-678.	1.5	55
23	Accelerated age-dependent transition of human regulatory T cells to effector memory phenotype. <i>International Immunology</i> , 2008, 20, 375-383.	1.8	54
24	Fetal Maternal Alignment of Regulatory T Cells Correlates with IL-10 and Bcl-2 Upregulation in Pregnancy. <i>Journal of Immunology</i> , 2013, 191, 145-153.	0.4	51
25	A novel sensitive approach for frequency analysis of measles virus-specific memory T-lymphocytes in healthy adults with a childhood history of natural measles. <i>Microbiology (United Kingdom)</i> , 2000, 81, 1313-1319.	0.7	48
26	Expansion of CD4 <sup>+</sup> HLA-DR <sup>+</sup> T Cell in Human Pregnancy is Impaired in Pre-eclampsia. <i>American Journal of Reproductive Immunology</i> , 2014, 71, 217-228.	1.2	45
27	Comparison of maternal abdominal subcutaneous fat thickness and body mass index as markers for pregnancy outcomes: A stratified cohort study. <i>Australian and New Zealand Journal of Obstetrics and Gynaecology</i> , 2012, 52, 420-426.	0.4	43
28	Decision Fusion-Based Fetal Ultrasound Image Plane Classification Using Convolutional Neural Networks. <i>Ultrasound in Medicine and Biology</i> , 2019, 45, 1259-1273.	0.7	38
29	A systematic review on incentive-driven mobile health technology: As used in diabetes management. <i>Journal of Telemedicine and Telecare</i> , 2017, 23, 26-35.	1.4	36
30	Foetal immune programming: hormones, cytokines, microbes and regulatory T cells. <i>Journal of Reproductive Immunology</i> , 2014, 104-105, 2-7.	0.8	30
31	T Cell Responses in Acute Measles. <i>Viral Immunology</i> , 2002, 15, 435-450.	0.6	29
32	Arterial and ductus venosus Doppler in fetuses with absent or reverse end-diastolic flow in the umbilical artery: correlation with short-term perinatal outcome. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2002, 81, 860-866.	1.3	29
33	Novel de novo mutations of the interleukin-10 receptor gene lead to infantile onset inflammatory bowel disease. <i>Journal of Crohn's and Colitis</i> , 2014, 8, 1551-1556.	0.6	28
34	Review of Simulation in Pediatrics: The Evolution of a Revolution. <i>Frontiers in Pediatrics</i> , 2015, 3, 106.	0.9	26
35	Measles virus and canine distemper virus target proteins into a TAP-independent MHC class I-restricted antigen-processing pathway. <i>Journal of General Virology</i> , 2001, 82, 441-447.	1.3	26
36	Measles virus infection causes transient depletion of activated T cells from peripheral circulation. <i>Journal of Clinical Virology</i> , 1999, 12, 201-210.	1.6	23

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37	Plane identification in fetal ultrasound images using saliency maps and convolutional neural networks. , 2016, , .		22
38	ACTIVATED T LYMPHOCYTES IN THE CEREBROSPINAL FLUID OF A PATIENT WITH EPSTEIN-BARR VIRUS-ASSOCIATED MENINGOENCEPHALITIS. <i>Pediatric Infectious Disease Journal</i> , 1996, 15, 631-633.	1.1	21
39	Expansion of human $\hat{\beta}/\hat{\gamma}$ T cells in vitro is differentially regulated by the measles virus glycoproteins. <i>Journal of General Virology</i> , 2003, 84, 1179-1188.	1.3	18
40	Feeding Modalities and the Onset of the Neonatal Abstinence Syndrome. <i>Frontiers in Pediatrics</i> , 2015, 3, 14.	0.9	18
41	Arterial and Ductus venosus Doppler in Fetuses with Absent or Reverse End-Diastolic Flow in the Umbilical Artery: Longitudinal Analysis. <i>Fetal Diagnosis and Therapy</i> , 2003, 18, 163-169.	0.6	17
42	Blimp-1 is expressed in human and mouse T cell subsets and leads to loss of IL-2 production and to defective proliferation. <i>Signal Transduction</i> , 2006, 6, 268-279.	0.7	17
43	Effect of antenatal corticosteroid administration on Doppler flow velocity parameters in pregnancies with absent or reverse end-diastolic flow in the umbilical artery. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2003, 82, 794-796.	1.3	15
44	Methadone Maintenance and Breastfeeding in the Neonatal Period. <i>Pediatrics</i> , 2008, 121, 869-869.	1.0	14
45	IL-2 Enhances Gut Homing Potential of Human Naive Regulatory T Cells Early in Life. <i>Journal of Immunology</i> , 2018, 200, 3970-3980.	0.4	14
46	Recording consultations: a win-win situation for physicians and patients. <i>Medical Journal of Australia</i> , 2016, 204, 175-176.	0.8	13
47	Automatic Measurement of Thalamic Diameter in 2-D Fetal Ultrasound Brain Images Using Shape Prior Constrained Regularized Level Sets. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2017, 21, 1069-1078.	3.9	13
48	Changes in maternal abdominal subcutaneous fat layers using ultrasound: A longitudinal study. <i>Obesity Research and Clinical Practice</i> , 2017, 11, 655-664.	0.8	12
49	Does Breast Milk Nurture T Lymphocytes in Their Cradle?. <i>Frontiers in Pediatrics</i> , 2018, 6, 268.	0.9	12
50	Host tissue damage-signal ATP impairs IL-12 and IFN $\hat{\gamma}$ secretion in LPS stimulated whole human blood. <i>Intensive Care Medicine</i> , 2008, 34, 1891-1897.	3.9	11
51	Mid-Gestational Enlargement of Fetal Thalami in Women Exposed to Methadone during Pregnancy. <i>Frontiers in Surgery</i> , 2014, 1, 28.	0.6	11
52	Semantic Segmentation of Cerebellum in 2D Fetal Ultrasound Brain Images Using Convolutional Neural Networks. <i>IEEE Access</i> , 2021, 9, 85864-85873.	2.6	11
53	Pregnancy and neonatal characteristics of opioid-dependent Indigenous Australians: A rural and metropolitan comparison. <i>Australian and New Zealand Journal of Obstetrics and Gynaecology</i> , 2009, 49, 279-284.	0.4	10
54	Prior Treatment with Stimulant Medication: A Much Neglected Confounder of Studies of Growth in Children with Attention-Deficit/Hyperactivity Disorder. <i>Journal of Child and Adolescent Psychopharmacology</i> , 2008, 18, 385-387.	0.7	9

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55	Multivariate Analysis Using High Definition Flow Cytometry Reveals Distinct T Cell Repertoires between the Fetal-Maternal Interface and the Peripheral Blood. <i>Frontiers in Immunology</i> , 2014, 5, 33.	2.2	9
56	The attention deficit hyperactivity disorder phenotype as a summation of deficits in executive functioning and reward sensitivity: does this explain its relationship with oppositional defiant disorder?. <i>Australasian Psychiatry</i> , 2014, 22, 174-178.	0.4	9
57	Therapeutic potential of stem cells in perinatal medicine. <i>Australian and New Zealand Journal of Obstetrics and Gynaecology</i> , 2005, 45, 102-107.	0.4	8
58	Remission of Hashimoto's Thyroiditis in a Twelve-Year-Old Girl with Thyroid Changes Documented by Ultrasonography. <i>Thyroid</i> , 2010, 20, 1187-1190.	2.4	8
59	Is lactate the new panacea for endothelial dysfunction?. <i>Critical Care</i> , 2014, 18, 614.	2.5	7
60	Chronic gingivitis in a new BTK mutation. <i>European Journal of Haematology</i> , 2006, 76, 171-175.	1.1	6
61	Analysis of maternal and perinatal determinants of allergic sensitization in childhood. <i>Allergy, Asthma and Clinical Immunology</i> , 2020, 16, 71.	0.9	6
62	Longitudinal egg-specific regulatory T- and B-cell development: Insights from primary prevention clinical trials examining the timing of egg introduction. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021, 76, 1385-1397.	2.7	6
63	Bi-acromial dimples. <i>International Journal of Dermatology</i> , 2008, 47, 594-595.	0.5	5
64	A multicentre survey of hepatitis C awareness in a high-risk population. <i>Journal of Paediatrics and Child Health</i> , 2013, 49, 649-653.	0.4	5
65	Sonographic and other nonglycemic factors can predict large-for-gestational-age infants in diet-managed gestational diabetes mellitus: A retrospective cohort study. <i>Journal of Diabetes</i> , 2020, 12, 562-572.	0.8	5
66	Stimulant Medications and Growth. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2009, 48, 574-576.	0.3	4
67	Restricted elimination diet for ADHD. <i>Lancet, The</i> , 2011, 377, 1567-1568.	6.3	4
68	Hypertensive disease of pregnancy is associated with decreased risk for respiratory distress syndrome in moderate preterm neonates. <i>Hypertension in Pregnancy</i> , 2013, 32, 169-177.	0.5	4
69	Infantile hypertrophic pyloric stenosis: Does size really matter?. <i>Journal of Paediatrics and Child Health</i> , 2014, 50, 827-828.	0.4	4
70	Validation of a Comprehensive Early Childhood Allergy Questionnaire. <i>Pediatric Allergy and Immunology</i> , 2015, 26, 522-529.	1.1	4
71	Association between insulin and post-caesarean resuscitation rates in infants of women with GDM: A retrospective study. <i>Journal of Diabetes</i> , 2020, 12, 151-157.	0.8	4
72	Normative ultrasound data of the fetal transverse thalamic diameter derived from 18 to 22 weeks of gestation in routine second-trimester morphology examinations. <i>Australasian Journal of Ultrasound in Medicine</i> , 2020, 23, 59-65.	0.3	4

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73	DIFFERENTIAL IMPACT OF PERIODONTAL TREATMENT STRATEGIES DURING PREGNANCY ON PERINATAL OUTCOMES: A SYSTEMATIC REVIEW AND META-ANALYSIS. <i>Journal of Evidence-based Dental Practice</i> , 2022, 22, 101666.	0.7	4
74	Measurement of Growth in Stimulant-Naïve Children With Attention-Deficit/Hyperactivity Disorder by Using Cross-sectional and Longitudinal Approaches. <i>Pediatrics</i> , 2008, 122, 221-221.	1.0	3
75	Comment on: Association of maternal pre-pregnancy weight with birth defects: Evidence from a case-control study in Western Australia. <i>Aust N Z J Obstet Gynaecol</i> 2009; 49: 11-15. <i>Australian and New Zealand Journal of Obstetrics and Gynaecology</i> , 2009, 49, 564-565.	0.4	3
76	The relationship between maternal opiate use, amphetamine use and smoking on fetal growth. <i>Australian and New Zealand Journal of Obstetrics and Gynaecology</i> , 2011, 51, 446-451.	0.4	3
77	Budesonide in Preschool-Age Children with Recurrent Wheezing. <i>New England Journal of Medicine</i> , 2012, 366, 570-571.	13.9	3
78	Drugs for the Treatment of Obesity. <i>JAMA - Journal of the American Medical Association</i> , 2014, 311, 1807.	3.8	3
79	Maternal methadone dose at delivery and neonatal abstinence syndrome. <i>Journal of Pediatrics</i> , 2010, 157, 1044.	0.9	2
80	Isolated Gigantism of Digits. <i>Journal of Pediatrics</i> , 2014, 165, 874.	0.9	2
81	Influenza A Infections in Infants of Vaccinated and Unvaccinated Mothers. <i>JAMA Pediatrics</i> , 2017, 171, 1014.	3.3	2
82	Normalization of a severely abnormal ductus venosus Doppler flow velocity waveform in the presence of normal arterial flow parameters. <i>Journal of Perinatal Medicine</i> , 2005, 33, 83-6.	0.6	1
83	Overweight in Children and Adolescents in Relation to Attention-Deficit/Hyperactivity Disorder. <i>Pediatrics</i> , 2008, 122, 910-910.	1.0	1
84	Lipaemia in lipoprotein lipase deficiency. <i>Journal of Paediatrics and Child Health</i> , 2016, 52, 576-576.	0.4	1
85	Subcortical brain volume differences in participants with attention deficit hyperactivity disorder in children and adults. <i>Lancet Psychiatry</i> , 2017, 4, 437-438.	3.7	1
86	A novel evaluation of density differences in subcutaneous abdominal adipose tissue layers in pregnancy using elastography. <i>Australasian Journal of Ultrasound in Medicine</i> , 2018, 21, 227-233.	0.3	1
87	An Automated Framework for Large Scale Retrospective Analysis of Ultrasound Images. <i>IEEE Journal of Translational Engineering in Health and Medicine</i> , 2019, 7, 1-9.	2.2	1
88	Oral sucrose for analgesia in children aged between 3 months and 3 years undergoing transurethral bladder catheterisation: A randomised, double-blind, clinical trial. <i>Journal of Paediatrics and Child Health</i> , 2020, 56, 207-214.	0.4	1
89	Firstborn sex defines early childhood growth of subsequent siblings. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20202329.	1.2	1
90	Modelling maternal and perinatal risk factors to predict poorly controlled childhood asthma. <i>PLoS ONE</i> , 2021, 16, e0252215.	1.1	1

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91	Ambulatory oral amoxicillin for severe pneumonia in children. <i>Lancet, The</i> , 2008, 371, 1333-1334.	6.3	0
92	Routine Measurement of Head Circumference as a Tool for Detecting Intracranial Expansion in Infants. <i>Pediatrics</i> , 2008, 121, 1298-1298.	1.0	0
93	Intrauterine growth rates in diabetic pregnancies and clinical outcomes. <i>Obstetric Medicine</i> , 2009, 2, 132-132.	0.5	0
94	AGE-RELATED CHANGES IN MOTOR SUBTLE SIGNS AMONG GIRLS AND BOYS WITH ADHD. <i>Neurology</i> , 2009, 73, 1248-1249.	1.5	0
95	Perinatal Risk Factors for the Neonatal Abstinence Syndrome in Infants Born to Women on Methadone Maintenance Therapy. <i>Obstetrical and Gynecological Survey</i> , 2010, 65, 603-604.	0.2	0
96	Smoking and brain development in preterm infants. <i>Journal of Pediatrics</i> , 2010, 157, 346-347.	0.9	0
97	Epinephrine Administration and Pediatric In-Hospital Cardiac Arrest. <i>JAMA - Journal of the American Medical Association</i> , 2016, 315, 416.	3.8	0
98	The Use of Tri-Ponderal Mass Index and Other Indices in Estimating Visceral Body Fat Percentages in Adolescents. <i>JAMA Pediatrics</i> , 2017, 171, 1228.	3.3	0
99	Apparent backscatter of cancellous bone from fundamental and second harmonics using an ultrasound imaging system. , 2017, , .		0
100	Anthropometric and ultrasound measures of maternal adiposity in the first trimester of pregnancy. <i>Australasian Journal of Ultrasound in Medicine</i> , 2018, 21, 147-155.	0.3	0
101	Oxygen Saturation in Infants With Retinopathy of Prematurity. <i>JAMA Ophthalmology</i> , 2019, 137, 1092.	1.4	0
102	Telephone Call After Pediatric Discharge. <i>JAMA Pediatrics</i> , 2019, 173, 196.	3.3	0
103	Association of Early Introduction of Solids With Infant Sleep. <i>JAMA Pediatrics</i> , 2019, 173, 195.	3.3	0
104	Fostering Resilience Among Youths Exposed to Adverse Childhood Experiences. <i>JAMA Pediatrics</i> , 2020, 174, 101.	3.3	0
105	Whatâ€™s Your Diagnosis?. <i>Journal of Pediatric Ophthalmology and Strabismus</i> , 2009, 46, 264.	0.3	0
106	Low-dose IL-2 may enhance the effect of vedolizumab. <i>Scandinavian Journal of Gastroenterology</i> , 0, , 1-2.	0.6	0