

# Raimo Voutilainen

## List of Publications by Year in descending order

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Version: 2024-02-01

74  
papers

2,825  
citations

201385

27  
h-index

182168

51  
g-index

76  
all docs

76  
docs citations

76  
times ranked

2707  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Hormonal Regulation of P450 <sub>scc</sub> (20,22-desmolase) and P450 <sub>c17</sub> (17 $\beta$ -hydroxylase/17,20-lyase) in Cultured Human Granulosa Cells*. Journal of Clinical Endocrinology and Metabolism, 1986, 63, 202-207.   | 1.8 | 257       |
| 2  | Population-Wide Evaluation of Disease Manifestation in Relation to Molecular Genotype in Steroid 21-Hydroxylase (CYP21) Deficiency: Good Correlation in a Well Defined Population1. Journal of Clinical Endocrinology and Metabolism, 1997, 82, 3293-3297.                    | 1.8 | 135       |
| 3  | RASSF1A promoter region CpG island hypermethylation in pheochromocytomas and neuroblastoma tumours. Oncogene, 2001, 20, 7573-7577.  | 2.6 | 127       |
| 4  | Adrenal Suppression, Evaluated by a Low Dose Adrenocorticotropin Test, and Growth in Asthmatic Children Treated with Inhaled Steroids1. Journal of Clinical Endocrinology and Metabolism, 2000, 85, 652-657.  | 1.8 | 121       |
| 5  | Growth of Patients with 21-Hydroxylase Deficiency: An Analysis of the Factors Influencing Adult Height. Pediatric Research, 1997, 41, 30-33.  | 1.1 | 118       |
| 6  | Premature adrenarche: Etiology, clinical findings, and consequences. Journal of Steroid Biochemistry and Molecular Biology, 2015, 145, 226-236.   | 1.2 | 115       |
| 7  | Alterations in Bone Turnover and Impaired Development of Bone Mineral Density in Newly Diagnosed Children with Cancer: A 1-Year Prospective Study. Journal of Clinical Endocrinology and Metabolism, 1999, 84, 3174-3181.   | 1.8 | 110       |
| 8  | Blood Pressure, Serum Lipids, Fasting Insulin, and Adrenal Hormones in 12-Year-Old Children Born with Maternal Preeclampsia. Journal of Clinical Endocrinology and Metabolism, 2003, 88, 1217-1222.   | 1.8 | 108       |
| 9  | Maternal Preeclampsia Predicts Elevated Blood Pressure in 12-Year-Old Children: Evaluation by Ambulatory Blood Pressure Monitoring. Pediatric Research, 2006, 59, 320-324.  | 1.1 | 102       |
| 10 | Serum Lipid Concentrations and Growth Characteristics in 12-year-old Children Born Small for Gestational Age. Pediatric Research, 2000, 48, 623-628.  | 1.1 | 91        |
| 11 | Developmental and Hormonal Regulation of mRNAs for Insulin-Like Growth Factor II and Steroidogenic Enzymes in Human Fetal Adrenals and Gonads. DNA and Cell Biology, 1988, 7, 9-15.   | 5.1 | 87        |
| 12 | Association of H19 Promoter Methylation with the Expression of H19 and IGF-II Genes in Adrenocortical Tumors. Journal of Clinical Endocrinology and Metabolism, 2002, 87, 1170-1176.  | 1.8 | 87        |
| 13 | Bone mineral density in relation to glucocorticoid substitution therapy in adult patients with 21-hydroxylase deficiency. Clinical Endocrinology, 1996, 45, 707-713.  | 1.2 | 84        |
| 14 | Hormonally Regulated Inhibin Gene Expression in Human Fetal and Adult Adrenals*. Journal of Clinical Endocrinology and Metabolism, 1991, 73, 1026-1030.   | 1.8 | 79        |
| 15 | Differential Expression of GATA-4 and GATA-6 in Fetal and Adult Mouse and Human Adrenal Tissue. Endocrinology, 2002, 143, 3136-3143.  | 1.4 | 70        |
| 16 | Low Expression of 3 $\beta$ -Hydroxy-5-Ene Steroid Dehydrogenase Gene in Human Fetal Adrenals <i>in Vivo</i> ; Adrenocorticotropin and Protein Kinase C-Dependent Regulation in Adrenocortical Cultures. Journal of Clinical Endocrinology and Metabolism, 1991, 72, 761-767. | 1.8 | 66        |
| 17 | Impaired Development of Bone Mineral Density During Chemotherapy: A Prospective Analysis of 46 Children Newly Diagnosed with Cancer. Journal of Bone and Mineral Research, 1999, 14, 2002-2009.   | 3.1 | 65        |
| 18 | Birth Size as a Determinant of Cardiometabolic Risk Factors in Children. Hormone Research in Paediatrics, 2020, 93, 144-153.  | 0.8 | 57        |

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|----|--|-----|-----------|
| 19 | Analysis by LC-MS/MS of endogenous steroids from human serum, plasma, endometrium and endometriotic tissue. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 152, 165-172.   | 1.4 | 55        |
| 20 | Ribonucleic Acid Expression of the Clustered Imprinted Genes, p57KIP2, Insulin-Like Growth Factor II, and H19, in Adrenal Tumors and Cultured Adrenal Cells. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1997, 82, 1766-1771.                              | 1.8 | 53        |
| 21 | Girls with Premature Adrenarche Have Accelerated Early Childhood Growth. <i>Journal of Pediatrics</i> , 2009, 154, 882-887.  | 0.9 | 53        |
| 22 | Simultaneous analysis by LC-MS/MS of 22 ketosteroids with hydroxylamine derivatization and underivatized estradiol from human plasma, serum and prostate tissue. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 164, 642-652.                          | 1.4 | 52        |
| 23 | Inhibin/Activin $\beta$ -Subunit Expression in Pheochromocytomas Favors Benign Diagnosis. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2001, 86, 2231-2235.   | 1.8 | 42        |
| 24 | Transcription factors GATA-6, SF-1, and cell proliferation in human adrenocortical tumors. <i>Molecular and Cellular Endocrinology</i> , 2005, 233, 47-56.   | 1.6 | 39        |
| 25 | Expression of Activin/Inhibin Receptor and Binding Protein Genes and Regulation of Activin/Inhibin Peptide Secretion in Human Adrenocortical Cells. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2002, 87, 4257-4263.                                       | 1.8 | 38        |
| 26 | Child rate, pregnancy outcome and ovarian function in females with classical 21-hydroxylase deficiency. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2000, 79, 687-692.   | 1.3 | 30        |
| 27 | Serum dehydroepiandrosterone sulfate concentration as an indicator of adrenocortical suppression during inhaled steroid therapy in adult asthmatic patients. <i>European Journal of Endocrinology</i> , 2004, 150, 687-690.  | 1.9 | 27        |
| 28 | The risk of metabolic syndrome in women with previous GDM in a long-term follow-up. <i>Gynecological Endocrinology</i> , 2016, 32, 920-925.  | 0.7 | 27        |
| 29 | Letrozole versus testosterone for promotion of endogenous puberty in boys with constitutional delay of growth and puberty: a randomised controlled phase 3 trial. <i>The Lancet Child and Adolescent Health</i> , 2019, 3, 109-120.                                      | 2.7 | 27        |
| 30 | MANAGEMENT OF ENDOCRINE DISEASE: Diagnosis and management of primary amenorrhea and female delayed puberty. <i>European Journal of Endocrinology</i> , 2021, 184, R225-R242.   | 1.9 | 27        |
| 31 | Body Composition and Bone Mineral Density in Children with Premature Adrenarche and the Association of LRP5 Gene Polymorphisms with Bone Mineral Density. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2009, 94, 4144-4151.                                 | 1.8 | 25        |
| 32 | Disturbance in bone turnover in children with a malignancy at completion of chemotherapy. , 1999, 33, 455-461.   |     | 24        |
| 33 | Impaired growth and intracranial calcifications in autosomal dominant hypocalcemia caused by a GNA11 mutation. <i>European Journal of Endocrinology</i> , 2016, 175, 211-218.  | 1.9 | 23        |
| 34 | Girls with a History of Premature Adrenarche Have Advanced Growth and Pubertal Development at the Age of 12 Years. <i>Frontiers in Endocrinology</i> , 2017, 8, 291.   | 1.5 | 23        |
| 35 | Association of Serum Lipid Concentrations, Insulin Resistance Index and Catch-Up Growth with Serum Cortisol/Cortisone Ratio by Liquid Chromatography Tandem Mass Spectrometry in Children Born Small for Gestational Age. <i>Pediatric Research</i> , 2005, 58, 467-471. | 1.1 | 22        |
| 36 | Cardiometabolic Risk Profile Among Young Adult Females With a History of Premature Adrenarche. <i>Journal of the Endocrine Society</i> , 2019, 3, 1771-1783.   | 0.1 | 21        |

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|----|--|-----|-----------|
| 37 | Prepubertal children born large for gestational age have lower serum DHEAS concentrations than those with a lower birth weight. <i>Pediatric Research</i> , 2017, 82, 285-289.   | 1.1 | 19        |
| 38 | Tracing past population migrations: genealogy of steroid 21-hydroxylase (CYP21) gene mutations in Finland. <i>European Journal of Human Genetics</i> , 1999, 7, 188-196.   | 1.4 | 18        |
| 39 | Serum Dehydroepiandrosterone Sulfate Concentration as an Indicator of Adrenocortical Suppression in Asthmatic Children Treated with Inhaled Steroids. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2001, 86, 4908-4912.       | 1.8 | 18        |
| 40 | Associations of Dehydroepiandrosterone Sulfate With Cardiometabolic Risk Factors in Prepubertal Children. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2018, 103, 2592-2600.  | 1.8 | 16        |
| 41 | Differential Expression of GATA-4 and GATA-6 in Fetal and Adult Mouse and Human Adrenal Tissue. , 2002, .  |     | 16        |
| 42 | Environmental Intolerance, Symptoms and Disability Among Fertile-Aged Women. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 293.   | 1.2 | 15        |
| 43 | Serum androgen bioactivity is low in children with premature adrenarche. <i>Pediatric Research</i> , 2014, 75, 645-650.  | 1.1 | 14        |
| 44 | Maternal drug or alcohol abuse is associated with decreased head size from pregnancy to childhood. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2016, 105, 817-822.   | 0.7 | 14        |
| 45 | Growth and Cardiovascular Risk Factors in Prepubertal Children Born Large or Small for Gestational Age. <i>Hormone Research in Paediatrics</i> , 2016, 85, 11-17.  | 0.8 | 13        |
| 46 | Trajectories of Growth and Serum DHEAS and IGF-1 Concentrations in Girls With a History of Premature Adrenarche: Attenuation of the Phenotype by Adulthood. <i>Frontiers in Endocrinology</i> , 2018, 9, 375.                              | 1.5 | 13        |
| 47 | Kuopio birth cohort " design of a Finnish joint research effort for identification of environmental and lifestyle risk factors for the wellbeing of the mother and the newborn child. <i>BMC Pregnancy and Childbirth</i> , 2018, 18, 381. | 0.9 | 13        |
| 48 | Markers of Insulin Sensitivity in 12-Year-Old Children Born from Preeclamptic Pregnancies. <i>Journal of Pediatrics</i> , 2015, 167, 125-130.  | 0.9 | 11        |
| 49 | Future risk of metabolic syndrome in women with a previous LGA delivery stratified by gestational glucose tolerance: a prospective cohort study. <i>BMC Pregnancy and Childbirth</i> , 2018, 18, 326.                                      | 0.9 | 11        |
| 50 | Tracking of Serum DHEAS Concentrations from Age 1 to 6 Years: A Prospective Cohort Study. <i>Journal of the Endocrine Society</i> , 2020, 4, bvaa012.  | 0.1 | 11        |
| 51 | Birth size, body composition, and adrenal androgens as determinants of bone mineral density in mid-childhood. <i>Pediatric Research</i> , 2018, 83, 993-998.   | 1.1 | 9         |
| 52 | Caffeine content in newborn hair correlates with maternal dietary intake. <i>European Journal of Nutrition</i> , 2021, 60, 193-201.  | 1.8 | 9         |
| 53 | Inhibition of DNA methylation increases follistatin expression and secretion in the human adrenocortical cell line NCI-H295R. <i>Journal of Endocrinology</i> , 2006, 188, 305-310.  | 1.2 | 8         |
| 54 | PCOS Features and Steroid Profiles Among Young Adult Women with a History of Premature Adrenarche. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, e3335-e3345.   | 1.8 | 8         |

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|----|--|-----|-----------|
| 55 | Associations of lifestyle factors with serum dehydroepiandrosterone sulphate and insulin-like growth factor-1 concentration in prepubertal children. <i>Clinical Endocrinology</i> , 2018, 88, 234-242.  | 1.2 | 7         |
| 56 | Delivery of an LGA infant and the maternal risk of diabetes: A prospective cohort study. <i>Primary Care Diabetes</i> , 2018, 12, 364-370.   | 0.9 | 7         |
| 57 | Serum IL-1 Receptor Antagonist Concentrations Associate With Unfavorable Metabolic Features in 12-Year-Old Children. <i>Journal of the Endocrine Society</i> , 2018, 2, 870-881.   | 0.1 | 7         |
| 58 | Prepubertal Children Exposed to Maternal Gestational Diabetes Have Latent Low-Grade Inflammation. <i>Hormone Research in Paediatrics</i> , 2018, 90, 109-115.  | 0.8 | 7         |
| 59 | A quantitative ultra-performance liquid chromatography high-resolution mass spectrometry analysis of steroids from human scalp hair. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022, 215, 114768.                                       | 1.4 | 7         |
| 60 | Fibroblast Growth Factor 21, Adiponectin, and Irisin as Markers of Unfavorable Metabolic Features in 12-Year-Old Children. <i>Journal of the Endocrine Society</i> , 2019, 3, 825-837.   | 0.1 | 6         |
| 61 | Serum testosterone and oestradiol predict the growth response during puberty promoting treatment. <i>Clinical Endocrinology</i> , 2021, , .  | 1.2 | 4         |
| 62 | Plasma IL-1 Receptor Antagonist Concentration Has an Inverse Association With Birth Weight in Prepubertal Children. <i>Journal of the Endocrine Society</i> , 2018, 2, 232-239.  | 0.1 | 3         |
| 63 | Children with a History of Premature Adrenarche Have Good Health-Related Quality of Life at the Age of 12 Years. <i>Hormone Research in Paediatrics</i> , 2018, 89, 184-188.   | 0.8 | 3         |
| 64 | Association of Serum Total Osteocalcin Concentrations With Endogenous Glucocorticoids and Insulin Sensitivity Markers in 12-Year-Old Children: A Cross-Sectional Study. <i>Frontiers in Endocrinology</i> , 2019, 10, 798.                               | 1.5 | 3         |
| 65 | Bone structure assessed with pQCT in prepubertal males with delayed puberty or congenital hypogonadotropic hypogonadism. <i>Clinical Endocrinology</i> , 2021, 95, 107-116.  | 1.2 | 3         |
| 66 | The impact of postpartum depressive symptoms on self-reported infant health and analgesic consumption at the age of 12 months: A prospective cohort study. <i>Journal of Psychiatric Research</i> , 2021, 136, 388-397.                                  | 1.5 | 2         |
| 67 | Optical coherence tomography shows decreased thickness of retinal nerve fibre layer among foetal alcohol exposed young adults in a case-control study. <i>Acta Ophthalmologica</i> , 2021, 99, e1243-e1244.  | 0.6 | 2         |
| 68 | Sex differences in the effects of pregnenolone, progesterone, and ACTH on corticosterone secretion of bank vole ( <i>Clethrionomys glareolus</i> ) adrenals in tissue culture. <i>Canadian Journal of Zoology</i> , 1986, 64, 1679-1683.                 | 0.4 | 1         |
| 69 | The effect of maternal alcohol and drug abuse on first trimester screening analytes: a retrospective cohort study. <i>BMC Pregnancy and Childbirth</i> , 2020, 20, 562.  | 0.9 | 1         |
| 70 | Boys but Not Girls Exposed to Maternal Gestational Diabetes Mellitus Have Unfavorable Fat Distribution. <i>Hormone Research in Paediatrics</i> , 2021, 94, 194-200.  | 0.8 | 1         |
| 71 | Circulating Liver-enriched Antimicrobial Peptide-2 Decreases During Male Puberty. <i>Journal of the Endocrine Society</i> , 2022, 6, bvac013.  | 0.1 | 1         |
| 72 | The Mediating Role of Endocrine Factors in the Positive Relationship Between Fat Mass and Bone Mineral Content in Children Aged 9-11 Years: The Physical Activity and Nutrition in Children Study. <i>Frontiers in Endocrinology</i> , 2022, 13, 850448. | 1.5 | 1         |

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|----|---|-----|-----------|
| 73 | Childhood Metabolic Syndrome and Its Components in Premature Adrenarche. Obstetrical and Gynecological Survey, 2008, 63, 312-313. | 0.2 | 0         |
| 74 | Catch-Up Growth and Corticosteroids: A Focus on Mechanisms and Clinical Conditions. , 2012, , 893-904.                            |     | 0         |