Stef van Buuren

List of Publications by Year
in descending order

147 papers	20,647 citations	31949 53 h-index	11928 134 g-index
151 all docs	151 docs citations	151 times ranked	30332 citing authors

#	Article	IF	Citations
1	**mice**: Multivariate Imputation by Chained Equations in *R*. Journal of Statistical Software, 2011, 45, .	1.8	5,536
2	Multiple imputation of discrete and continuous data by fully conditional specification. Statistical Methods in Medical Research, 2007, 16, 219-242.	0.7	2,078
3	Multiple imputation of missing blood pressure covariates in survival analysis. Statistics in Medicine, 1999, 18, 681-694.	0.8	1,739
4	Flexible Imputation of Missing Data, Second Edition. , 0, , .		986
5	Continuing Positive Secular Growth Change in the Netherlands 1955–1997. Pediatric Research, 2000, 47, 316-323.	1.1	975
6	Fully conditional specification in multivariate imputation. Journal of Statistical Computation and Simulation, 2006, 76, 1049-1064.	0.7	815
7	Body index measurements in 1996-7 compared with 1980. Archives of Disease in Childhood, 2000, 82, 107-112.	1.0	484
8	Worm plot: a simple diagnostic device for modelling growth reference curves. Statistics in Medicine, 2001, 20, 1259-1277.	0.8	409
9	Construction of the World Health Organization child growth standards: selection of methods for attained growth curves. Statistics in Medicine, 2006, 25, 247-265.	0.8	308
10	Increase in Prevalence of Overweight in Dutch Children and Adolescents: A Comparison of Nationwide Growth Studies in 1980, 1997 and 2009. PLoS ONE, 2011, 6, e27608.	1.1	274
11	Pubertal Development in The Netherlands 1965–1997. Pediatric Research, 2001, 50, 479-486.	1.1	273
12	Missing Data in Clinical Research: A Tutorial on Multiple Imputation. Canadian Journal of Cardiology, 2021, 37, 1322-1331.	0.8	257
13	Are age references for waist circumference, hip circumference and waist-hip ratio in Dutch children useful in clinical practice?. European Journal of Pediatrics, 2005, 164, 216-222.	1.3	249
14	Postnatal growth in preterm infants and later health outcomes: a systematic review. Acta Paediatrica, International Journal of Paediatrics, 2015, 104, 974-986.	0.7	227
15	Towards a measurement instrument for determinants of innovations. International Journal for Quality in Health Care, 2014, 26, 501-510.	0.9	225
16	Malnutrition in critically ill children: from admission to 6 months after discharge. Clinical Nutrition, 2004, 23, 223-232.	2.3	220
17	Nationwide age references for sitting height, leg length, and sitting height/height ratio, and their diagnostic value for disproportionate growth disorders. Archives of Disease in Childhood, 2005, 90, 807-812.	1.0	215
18	Development of an individual work performance questionnaire. International Journal of Productivity and Performance Management, 2012, 62, 6-28.	2.2	208

#	ARTICLE	IF	CITATIONS
19	The world's tallest nation has stopped growing taller: the height of Dutch children from 1955 to 2009. Pediatric Research, 2013, 73, 371-377.	1.1	191
20	Recursive partitioning for missing data imputation in the presence of interaction effects. Computational Statistics and Data Analysis, 2014, 72, 92-104.	0.7	157
21	Association between parenting practices and children's dietary intake, activity behavior and development of body mass index: the KOALA Birth Cohort Study. International Journal of Behavioral Nutrition and Physical Activity, 2011, 8, 18.	2.0	151
22	Variable selection under multiple imputation using the bootstrap in a prognostic study. BMC Medical Research Methodology, 2007, 7, 33.	1.4	137
23	Imputation of systematically missing predictors in an individual participant data meta-analysis: a generalized approach using MICE. Statistics in Medicine, 2015, 34, 1841-1863.	0.8	135
24	Predictive mean matching imputation of semicontinuous variables. Statistica Neerlandica, 2014, 68, 61-90.	0.9	116
25	On the assessment of adverse drug reactions from spontaneous reporting systems: the influence of under-reporting on odds ratios. Statistics in Medicine, 2002, 21, 2027-2044.	0.8	115
26	Combinations of techniques that effectively change health behavior: Evidence from Meta-CART analysis.. Health Psychology, 2014, 33, 1530-1540.	1.3	115
27	Alarming prevalences of overweight and obesity for children of Turkish, Moroccan and Dutch origin in The Netherlands according to international standards. Acta Paediatrica, International Journal of Paediatrics, 2005, 94, 496-498.	0.7	113
28	Trends in Menarcheal Age between 1955 and 2009 in the Netherlands. PLoS ONE, 2013, 8, e60056.	1.1	110
29	Intelligence of very preterm or very low birthweight infants in young adulthood. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2008, 94, F196-F200.	1.4	105
30	Reference Values for Noninvasive Blood Pressure in Children during Anesthesia. Anesthesiology, 2016, 125, 904-913.	1.3	99
31	A randomised comparison of cognitive behavioural therapy (CBT) and eye movement desensitisation and reprocessing (EMDR) in disaster-exposed children. Högre Utbildning, 2011, 2, .	1.4	98
32	Prevalence of overweight and obesity in the Netherlands in 2003 compared to 1980 and 1997. Archives of Disease in Childhood, 2007, 92, 992-995.	1.0	93
33	Height, weight, body mass index and pubertal development reference values for children of Turkish origin in the Netherlands. European Journal of Pediatrics, 2003, 162, 788-793.	1.3	89
34	Developing evidence-based guidelines for referral for short stature. Archives of Disease in Childhood, 2008, 93, 212-217.	1.0	89
35	Systematic review indicates postnatal growth in term infants born small-for-gestational-age being associated with later neurocognitive and metabolic outcomes. Acta Paediatrica, International Journal of Paediatrics, 2017, 106, 1230-1238.	0.7	86
36	Efficacy and Safety of Oxandrolone in Growth Hormone-Treated Girls with Turner Syndrome. Journal of Clinical Endocrinology and Metabolism, 2010, 95, 1151-1160.	1.8	84

#	Article	IF	Citations
37	An analysis of intra-uterine growth retardation in rural Malawi. European Journal of Clinical Nutrition, 2001, 55, 682-689.	1.3	76
38	Personalized Approach to Growth Hormone Treatment: Clinical Use of Growth Prediction Models. Hormone Research in Paediatrics, 2013, 79, 257-270.	0.8	76
39	Gestational weight gain charts for different body mass index groups for women in Europe, North America, and Oceania. BMC Medicine, 2018, 16, 201.	2.3	74
40	The Terneuzen Birth Cohort: BMI Changes between 2 and 6 Years Correlate Strongest with Adult Overweight. PLoS ONE, 2010, 5, e9155.	1.1	72
41	Height, weight, body mass index and pubertal development references for children of Moroccan origin in The Netherlands. Acta Paediatrica, International Journal of Paediatrics, 2004, 93, 817-824.	0.7	69
42	Combining multiple imputation and bootstrap in the analysis of costâ€effectiveness trial data. Statistics in Medicine, 2019, 38, 210-220.	0.8	69
43	Clusteringn objects intok groups under optimal scaling of variables. Psychometrika, 1989, 54, 699-706.	1.2	68
44	Puberty induction in Turner syndrome: results of oestrogen treatment on development of secondary sexual characteristics, uterine dimensions and serum hormone levels. Clinical Endocrinology, 2009, 70, 265-273.	1.2	62
45	Evaluation of Neural Networks to Identify Types of Activity Using Accelerometers. Medicine and Science in Sports and Exercise, 2011, 43, 101-107.	0.2	62
46	Asthmatic Symptoms, Physical Activity, and Overweight in Young Children: A Cohort Study. Pediatrics, 2008, 121, e666-e672.	1.0	60
47	Child-care use and the association with body mass index and overweight in children from 7 months to 2 years of age. International Journal of Obesity, 2010, 34, 1480-1486.	1.6	60
48	New reference charts for testicular volume in Dutch children and adolescents allow the calculation of standard deviation scores. Acta Paediatrica, International Journal of Paediatrics, 2015, 104, e271-8.	0.7	60
49	The diagnostic work up of growth failure in secondary health care; An evaluation of consensus guidelines. BMC Pediatrics, 2008, 8, 21.	0.7	58
50	The prognosis of chronic low back pain is determined by changes in pain and disability in the initial period. Spine Journal, 2010, 10, 847-856.	0.6	58
51	High cardiovascular risk in severely obese young children and adolescents. Archives of Disease in Childhood, 2012, 97, 818-821.	1.0	57
52	Tolerance and safety of *Lactobacillus paracasei* ssp. *paracasei* in combination with *Bifidobacterium animalis* ssp. *lactis* in a prebiotic-containing infant formula: a randomised controlled trial. British Journal of Nutrition, 2009, 102, 869-875.	1.2	56
53	Return to Work in a Cohort of Low Back Pain Patients: Development and Validation of a Clinical Prediction Rule. Journal of Occupational Rehabilitation, 2009, 19, 155-165.	1.2	55
54	Reference chart for relative weight change to detect hypernatraemic dehydration. Archives of Disease in Childhood, 2007, 92, 490-494.	1.0	54

#	Article	IF	Citations
55	A simple calculation of the target height. Archives of Disease in Childhood, 2012, 97, 182.1-182.	1.0	53
56	The Effectiveness of Lifestyle Triple P in the Netherlands: A Randomized Controlled Trial. PLoS ONE, 2015, 10, e0122240.	1.1	53
57	Towards evidence based referral criteria for growth monitoring. Archives of Disease in Childhood, 2004, 89, 336-341.	1.0	52
58	Seasonality of Birth in Patients With Childhood Diabetes in The Netherlands. Diabetes Care, 1998, 21, 190-191.	4.3	49
59	Body size and growth in 0- to 4-year-old children and the relation to body size in primary school age. Obesity Reviews, 2011, 12, 637-652.	3.1	45
60	Growth of Preterm and Full-Term Children Aged 0-4 Years: Integrating Median Growth and Variability in Growth Charts. Journal of Pediatrics, 2012, 161, 460-465.e1.	0.9	44
61	The Terneuzen Birth Cohort: BMI Change between 2 and 6 Years Is Most Predictive of Adult Cardiometabolic Risk. PLoS ONE, 2010, 5, e13966.	1.1	43
62	Growth in length and weight from birth to 2 years of a representative sample of Netherlands children (born in 1988–89) related to socioeconomic status and other background characteristics. Annals of Human Biology, 1994, 21, 449-463.	0.4	42
63	Unidimensionality and reliability under Mokken scaling of the Dutch language version of the SF-36. Quality of Life Research, 2003, 12, 189-198.	1.5	40
64	Healthy Growth in Children with Down Syndrome. PLoS ONE, 2012, 7, e31079.	1.1	38
65	An interval scale for development of children aged 0–2 years. Statistics in Medicine, 2006, 25, 2272-2283.	0.8	37
66	Multiple imputation of missing blood pressure covariates in survival analysis. Statistics in Medicine, 1999, 18, 681-694.	0.8	37
67	Growth references for height, weight and body mass index of twins aged 0–2.5 years. Acta Paediatrica, International Journal of Paediatrics, 2008, 97, 1099-1104.	0.7	35
68	WHO Child Growth Standards in action. Archives of Disease in Childhood, 2008, 93, 549-551.	1.0	34
69	Imputation of missing categorical data by maximizing internal consistency. Psychometrika, 1992, 57, 567-580.	1.2	33
70	Fitting arma time series by structural equation models. Psychometrika, 1997, 62, 215-236.	1.2	33
71	A toolkit in SAS for the evaluation of multiple imputation methods. Statistica Neerlandica, 2003, 57, 36-45.	0.9	33
72	Selective association of multiple sclerosis with infectious mononucleosis. Multiple Sclerosis Journal, 2008, 14, 307-313.	1.4	32

#	ARTICLE	IF	CITATIONS
73	Stage line diagram: An age–conditional reference diagram for tracking development. Statistics in Medicine, 2009, 28, 1569-1579.	0.8	31
74	Association of breast-feeding and feeding on demand with child weight status up to 4 years. Pediatric Obesity, 2011, 6, e515-e522.	3.2	31
75	Increasing Incidence of Type I Diabetes in The Netherlands: The second nationwide study among children under 20 years of age. Diabetes Care, 1994, 17, 599-601.	4.3	30
76	Trends in a Life Threatening Condition: Morbid Obesity in Dutch, Turkish and Moroccan Children in The Netherlands. PLoS ONE, 2014, 9, e94299.	1.1	30
77	Catch-up growth in Malawian babies, a longitudinal study of normal and low birthweight babies born in a malarious endemic area. Early Human Development, 2005, 81, 841-850.	0.8	29
78	Growth charts of human development. Statistical Methods in Medical Research, 2014, 23, 346-368.	0.7	29
79	Item Imputation Without Specifying Scale Structure. Methodology, 2010, 6, 31-36.	0.5	29
80	Collection, collation and analysis of data in relation to reference heights and reference weights for female and male children and adolescents (0–18 years) in the EU, as well as in relation to the age of onset of puberty and the age at which different stages of puberty are reached in adolescents in the EU. EFSA Supporting Publications, 2012, 9, 255E.	0.3	28
81	Height of South Asian children in the Netherlands aged 0–20 years: secular trends and comparisons with current Asian Indian, Dutch and WHO references. Annals of Human Biology, 2015, 42, 38-44.	0.4	28
82	Growth during Infancy and Childhood, and Adiposity at Age 16 Years: Ages 2 to 7 Years Are Pivotal. Journal of Pediatrics, 2013, 162, 287-292.e2.	0.9	27
83	Thinness in the era of obesity: trends in children and adolescents in The Netherlands since 1980. European Journal of Public Health, 2015, 25, 268-273.	0.1	27
84	Developing regional weight-for-age growth references for malaria-endemic countries to optimize age-based dosing of antimalarials. Bulletin of the World Health Organization, 2015, 93, 74-83.	1.5	26
85	Referral patterns of children with poor growth in primary health care. BMC Public Health, 2007, 7, 77.	1.2	25
86	The Terneuzen Birth Cohort. Longer exclusive breastfeeding duration is associated with leaner body mass and a healthier diet in young adulthood. BMC Pediatrics, 2011, 11, 33.	0.7	25
87	Association between Head Circumference and Body Size. Hormone Research in Paediatrics, 2011, 75, 213-219.	0.8	25
88	Curve Matching: A Data-Driven Technique to Improve Individual Prediction of Childhood Growth. Annals of Nutrition and Metabolism, 2014, 65, 227-233.	1.0	24
89	Anthropometry of fetal growth in rural Malawi in relation to maternal malaria and HIV status. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2005, 90, F161-F165.	1.4	23
90	Trends in Hospital Admissions Among Children Aged 0-19 Years with Type I Diabetes in The Netherlands. Diabetes Care, 1996, 19, 431-434.	4.3	22

#	Article	IF	Citations
91	Computerized adaptive testing for measuring development of young children. Statistics in Medicine, 2007, 26, 2629-2638.	0.8	22
92	Screening rules for growth to detect celiac disease: A case-control simulation study. BMC Pediatrics, 2008, 8, 35.	0.7	22
93	The use of local reference growth charts for clinical use or a universal standard: A balanced appraisal. Journal of Endocrinological Investigation, 2012, 35, 224-226.	1.8	22
94	Practical Application of Linear Growth Measurements in Clinical Research in Low- and Middle-Income Countries. Hormone Research in Paediatrics, 2017, 88, 79-90.	0.8	22
95	Many referrals under Dutch short stature guidelines. Archives of Disease in Childhood, 2004, 89, 351-352.	1.0	21
96	Worm plot to diagnose fit in quantile regression. Statistical Modelling, 2007, 7, 363-376.	0.5	21
97	Identifying metabolic syndrome without blood tests in young adults--The Terneuzen Birth Cohort. European Journal of Public Health, 2008, 18, 656-660.	0.1	21
98	Estimating regional centile curves from mixed data sources and countries. Statistics in Medicine, 2009, 28, 2891-2911.	0.8	21
99	Weight of in vitro fertilization and intracytoplasmic sperm injection singletons in early childhood. Fertility and Sterility, 2011, 95, 2775-2777.	0.5	21
100	Strategies for assessing the impact of loss to follow-up on estimates of neurodevelopmental impairment in a very preterm cohort at 2 years of age. BMC Medical Research Methodology, 2021, 21, 118.	1.4	20
101	Synthetic growth reference charts. American Journal of Human Biology, 2016, 28, 98-111.	0.8	19
102	Revision of the ICIDH Severity of Disabilities Scale by data linking and item response theory. Statistics in Medicine, 2001, 20, 1061-1076.	0.8	18
103	Age of puberty in Iranian girls living in Tehran. Annals of Human Biology, 2006, 33, 628-633.	0.4	18
104	Trends in body mass index distribution and prevalence of thinness, overweight and obesity in two cohorts of Surinamese South Asian children in The Netherlands. Archives of Disease in Childhood, 2013, 98, 280-285.	1.0	18
105	Trend in Height of Turkish and Moroccan Children Living in The Netherlands. PLoS ONE, 2015, 10, e0124686.	1.1	18
106	Call for early prevention: prevalence rates of overweight among Turkish and Moroccan children in The Netherlands. European Journal of Public Health, 2015, 25, 828-833.	0.1	18
107	Characteristics of criminals: The privileged offender. International Journal of Law and Psychiatry, 1984, 7, 301-313.	0.5	17
108	Birth outcomes between 22 and 26 weeks' gestation in national population-based cohorts from Sweden, England and France. Acta Paediatrica, International Journal of Paediatrics, 2021, , .	0.7	17

#	Article	IF	Citations
109	Equality Constraints in Multiple Correspondence Analysis. Multivariate Behavioral Research, 1992, 27, 567-583.	1.8	16
110	Distinguishing symptom dimensions of depression and anxiety: An integrative approach. Journal of Affective Disorders, 2012, 136, 693-701.	2.0	16
111	Multiple Imputation of Predictor Variables Using Generalized Additive Models. Communications in Statistics Part B: Simulation and Computation, 2016, 45, 968-985.	0.6	16
112	Growth Monitoring to Detect Children with Cystic Fibrosis. Hormone Research, 2009, 72, 218-224.	1.8	15
113	Multiple Imputation of Squared Terms. Sociological Methods and Research, 2013, 42, 598-607.	4.3	15
114	The Steep Ramp Test in Dutch White Children and Adolescents: Age- and Sex-Related Normative Values. Physical Therapy, 2013, 93, 1530-1539.	1.1	15
115	Perinatal risk-indicators for long-term respiratory morbidity among preterm or very low birth weight neonates. European Journal of Obstetrics, Gynecology and Reproductive Biology, 2012, 163, 134-141.	0.5	14
116	Trends in birth weight and the prevalence of low birth weight and small-for-gestational-age in Surinamese South Asian babies since 1974: cross-sectional study of three birth cohorts. BMC Public Health, 2013, 13, 931.	1.2	14
117	Individual growth curve models for assessing evidence-based referral criteria in growth monitoring. Statistics in Medicine, 2005, 24, 3663-3674.	0.8	13
118	Multiple imputation of missing blood pressure covariates in survival analysis. , 1999, 18, 681.		10
119	Artifact Processing Methods Influence on Intraoperative Hypotension Quantification and Outcome Effect Estimates. Anesthesiology, 2020, 132, 723-737.	1.3	10
120	Effects of Selective Dropout on Infant Growth Standards. Nestle Nutrition Workshop Series Paediatric Programme, 2010, 65, 167-179.	1.5	9
121	Identifying young children without overweight at high risk for adult overweight: The Terneuzen Birth Cohort. Pediatric Obesity, 2011, 6, e187-e195.	3.2	9
122	Dual imputation model for incomplete longitudinal data. British Journal of Mathematical and Statistical Psychology, 2014, 67, 197-212.	1.0	9
123	Reference chart of inspiratory muscle strength: a new tool to monitor the effect of pre-operative training. Physiotherapy, 2014, 100, 128-133.	0.2	9
124	The Impact of Height during Childhood on the National Prevalence Rates of Overweight. PLoS ONE, 2014, 9, e85769.	1.1	8
125	Breastfeeding duration related to practised contraception in the Netherlands. Acta Paediatrica, International Journal of Paediatrics, 2009, 98, 86-90.	0.7	7
126	Response Conversion for Improving Comparability of International Physical Activity Data. Journal of Physical Activity and Health, 2012, 9, 29-38.	1.0	7

#	Article	IF	Citations
127	Methods to obtain referral criteria in growth monitoring. Statistical Methods in Medical Research, 2014, 23, 369-389.	0.7	7
128	Artifacts annotations in anesthesia blood pressure data by man and machine. Journal of Clinical Monitoring and Computing, 2021, 35, 259-267.	0.7	7
129	Seasonal variation in the diagnosis of type 1 diabetes. Diabetes Research and Clinical Practice, 2008, 79, e13.	1.1	6
130	Routine multiple imputation in statistical databases. , 0, , .		5
131	Toward Targeted Hypertension Screening Guidelines. Medical Decision Making, 2006, 26, 145-153.	1.2	5
132	Combining the complete-data and nonresponse models for drawing imputations under MAR. Journal of Statistical Computation and Simulation, 2013, 83, 868-879.	0.7	5
133	Better experiences with quality of care predict well-being of patients with chronic obstructive pulmonary disease in the Netherlands. International Journal of Integrated Care, 2015, 15, e028.	0.1	5
134	Anthropometry of Malawian live births between 35 and 41 weeks of gestation. Annals of Human Biology, 2005, 32, 639-649.	0.4	4
135	Estimation of Caries Experience by Multiple Imputation and Direct Standardization. Caries Research, 2014, 48, 91-95.	0.9	4
136	Optimal transformations for categorical autoregressive time series. Statistica Neerlandica, 1997, 51, 90-106.	0.9	3
137	Dieting in children: a population-based study in children aged between 9 and 12 years. Acta Paediatrica, International Journal of Paediatrics, 2007, 96, 273-275.	0.7	3
138	Improved accuracy when screening for human growth disorders by likelihood ratios. Statistics in Medicine, 2008, 27, 1527-1538.	0.8	3
139	Graphical uncertainty representations for ensemble predictions. Information Visualization, 2019, 18, 373-383.	1.2	3
140	Patient and anesthesia characteristics of children with low pre‑incision blood pressure: A retrospective observational study. Acta Anaesthesiologica Scandinavica, 2020, 64, 472-480.	0.7	3
141	Child development with the D-score: turning milestones into measurement. Gates Open Research, 0, 5, 81.	2.0	2
142	The Fountain of Age: A Remarkable 3D Shape that Portrays Health and Functional Differences among the European Elderly. International Journal of Environmental Research and Public Health, 2014, 11, 4078-4090.	1.2	1
143	Multiple imputation in data that grow over time: a comparison of three strategies. Multivariate Behavioral Research, 2022, 57, 513-523.	1.8	1
144	Looking Back at the Gifi System of Nonlinear Multivariate Analysis. Journal of Statistical Software, 2016, 73, .	1.8	1

#	Article	IF	Citations
145	Primaire preventie van overgewicht: gevoelige leeftijdsintervallen en predictie. Het Terneuzen Geboorte Cohort. JGZ Tijdschrift Voor Jeugdgezondheidszorg, 2013, 45, 39-43.	0.1	0
146	Nederland is het land van de reuzen. JGZ Tijdschrift Voor Jeugdgezondheidszorg, 2014, 46, 2-4.	0.1	0
147	Child development with the D-score: tuning instruments to unity. Gates Open Research, 0, 5, 86.	2.0	0