

# Jaap A. Bakker

## List of Publications by Year in descending order

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113  
papers

3,492  
citations

172386

29  
h-index

155592

55  
g-index

118  
all docs

118  
docs citations

118  
times ranked

5511  
citing authors

#	ARTICLE	IF	CITATIONS
1	Utility of Amino-Terminal Pro-Brain Natriuretic Peptide, Galectin-3, and Apelin for the Evaluation of Patients With Acute Heart Failure. <i>Journal of the American College of Cardiology</i> , 2006, 48, 1217-1224.	1.2	500
2	Mutation of the COG complex subunit gene COG7 causes a lethal congenital disorder. <i>Nature Medicine</i> , 2004, 10, 518-523.	15.2	287
3	Renal Clearance of B-Type Natriuretic Peptide and Amino Terminal Pro-B-Type Natriuretic Peptide. <i>Journal of the American College of Cardiology</i> , 2009, 53, 884-890.	1.2	142
4	LDL Receptor Knock-Out Mice Are a Physiological Model Particularly Vulnerable to Study the Onset of Inflammation in Non-Alcoholic Fatty Liver Disease. <i>PLoS ONE</i> , 2012, 7, e30668.	1.1	135
5	Allogeneic haematopoietic stem cell transplantation for mitochondrial neurogastrointestinal encephalomyopathy. <i>Brain</i> , 2015, 138, 2847-2858.	3.7	128
6	The NET-effect of combining rituximab with belimumab in severe systemic lupus erythematosus. <i>Journal of Autoimmunity</i> , 2018, 91, 45-54.	3.0	125
7	Autoantibody Development under Treatment with Immune-Checkpoint Inhibitors. <i>Cancer Immunology Research</i> , 2019, 7, 6-11.	1.6	118
8	Carnitine?acylcarnitine translocase deficiency, clinical, biochemical and genetic aspects. <i>Molecular Aspects of Medicine</i> , 2004, 25, 521-532.	2.7	100
9	Neutrophil-Derived Myeloperoxidase Aggravates Non-Alcoholic Steatohepatitis in Low-Density Lipoprotein Receptor-Deficient Mice. <i>PLoS ONE</i> , 2012, 7, e52411.	1.1	100
10	Gonadal function in male and female patients with classic galactosemia. <i>Human Reproduction Update</i> , 2010, 16, 177-188.	5.2	98
11	Pharmacogenetic significance of inosine triphosphatase. <i>Pharmacogenomics</i> , 2007, 8, 1221-1228.	0.6	76
12	Excessive neutrophil extracellular trap formation in ANCA-associated vasculitis is independent of ANCA. <i>Kidney International</i> , 2018, 94, 139-149.	2.6	73
13	Therapeutic drug monitoring of thiopurine metabolites in adult thiopurine tolerant IBD patients on maintenance therapy. <i>Journal of Crohn's and Colitis</i> , 2012, 6, 698-707.	0.6	59
14	Elevated citrate levels in non-alcoholic fatty liver disease: The potential of citrate to promote radical production. <i>FEBS Letters</i> , 2013, 587, 2461-2466.	1.3	58
15	Clinical and biochemical presentation of siblings with COG-7 deficiency, a lethal multiple O- and N-glycosylation disorder. <i>Journal of Inherited Metabolic Disease</i> , 2005, 28, 707-714.	1.7	56
16	Intrinsically Distinct Role of Neutrophil Extracellular Trap Formation in Antineutrophil Cytoplasmic Antibody-Associated Vasculitis Compared to Systemic Lupus Erythematosus. <i>Arthritis and Rheumatology</i> , 2019, 71, 2047-2058.	2.9	53
17	Bone mineral density in patients with classic galactosaemia. <i>Archives of Disease in Childhood</i> , 2002, 87, 57-60.	1.0	48
18	Serological and genetic complement alterations in infection-induced and complement-mediated hemolytic uremic syndrome. <i>Pediatric Nephrology</i> , 2017, 32, 297-309.	0.9	48

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19	Is Brain Natriuretic Peptide Production Decreased in Obese Subjects?. Journal of the American College of Cardiology, 2006, 47, 886-887.	1.2	45
20	Persistent metabolic changes in HIV-infected patients during the first year of combination antiretroviral therapy. Scientific Reports, 2018, 8, 16947.	1.6	43
21	Tetrahydrobiopterin-responsive phenylalanine hydroxylase deficiency in Dutch neonates. Journal of Inherited Metabolic Disease, 2001, 24, 352-358.	1.7	42
22	Long-term effects of combined B-cell immunomodulation with rituximab and belimumab in severe, refractory systemic lupus erythematosus: 2-year results. Nephrology Dialysis Transplantation, 2021, 36, 1474-1483.	0.4	42
23	Temporal effects of taurine on mouse preimplantation development in vitro. Human Reproduction, 1992, 7, 403-407.	0.4	37
24	Carbohydrate co-ingestion with protein does not further augment post-prandial muscle protein accretion in older men. Nutrition and Metabolism, 2013, 10, 15.	1.3	37
25	PR3-ANCA predict relapses in ANCA-associated vasculitis patients after rituximab. Nephrology Dialysis Transplantation, 2021, 36, 1408-1417.	0.4	37
26	Congenital hydrocephalus in clinical practice: A genetic diagnostic approach. European Journal of Medical Genetics, 2011, 54, e542-e547.	0.7	36
27	Frequencies and clinical associations of myositis-related antibodies in The Netherlands: A one-year survey of all Dutch patients. Journal of Translational Autoimmunity, 2019, 2, 100013.	2.0	34
28	Reference Values for N-Terminal Pro-B-Type Natriuretic Peptide in Umbilical Cord Blood. Clinical Chemistry, 2004, 50, 2465-2465.	1.5	32
29	Predicting cardiopulmonary involvement in patients with systemic sclerosis: complementary value of nailfold videocapillaroscopy patterns and disease-specific autoantibodies. Rheumatology, 2017, 56, kew402.	0.9	31
30	C1q Deficiency and Neuropsychiatric Systemic Lupus Erythematosus. Frontiers in Immunology, 2016, 7, 647.	2.2	30
31	Defective postreperfusion metabolic recovery directly associates with incident delayed graft function. Kidney International, 2016, 90, 181-191.	2.6	28
32	The diagnostic value of serum and urinary NT-proBNP for heart failure. Annals of Clinical Biochemistry, 2008, 45, 389-394.	0.8	27
33	Pregnancy in classic galactosemia despite undetectable anti-M $\beta$ 24 allergen hormone. Fertility and Sterility, 2009, 91, 1293.e13-1293.e16.	0.5	27
34	Anti-citrullinated protein antibodies in the diagnosis of rheumatoid arthritis (RA): diagnostic performance of automated anti-CCP-2 and anti-CCP-3 antibodies assays. Clinical Rheumatology, 2017, 36, 1487-1492.	1.0	27
35	Untreated classical galactosemia patient with mild phenotype. Molecular Genetics and Metabolism, 2006, 89, 277-279.	0.5	25
36	A prospective, double-blind, randomized, placebo-controlled study on the efficacy and safety of influenza vaccination in myasthenia gravis. Vaccine, 2019, 37, 919-925.	1.7	25

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37	New mutations in two Dutch patients with early infantile galactosialidosis. <i>Molecular Genetics and Metabolism</i> , 2003, 78, 222-228.	0.5	23
38	Accuracy of the Precision <sup>Â</sup> point-of-care ketone test examined by liquid chromatography tandem-mass spectrometry (LC-MS/MS) in the same fingerstick sample. <i>Clinical Chemistry and Laboratory Medicine</i> , 2010, 48, 1781-4.	1.4	23
39	Beneficial Effects of Early Enteral Nutrition After Major Rectal Surgery: A Possible Role for Conditionally Essential Amino Acids? Results of a Randomized Clinical Trial. <i>Critical Care Medicine</i> , 2016, 44, e353-e361.	0.4	23
40	Reduced renal plasma clearance does not explain increased plasma asymmetric dimethylarginine in hypertensive subjects with mild to moderate renal insufficiency. <i>American Journal of Physiology - Renal Physiology</i> , 2012, 303, F149-F156.	1.3	20
41	Results of an explorative clinical evaluation suggest immediate and persistent post-reperfusion metabolic paralysis drives kidney ischemia reperfusion injury. <i>Kidney International</i> , 2020, 98, 1476-1488.	2.6	20
42	Direct non-radioactive assay of galactose-1-phosphate:uridyltransferase activity using high performance liquid chromatography. <i>Clinica Chimica Acta</i> , 2010, 411, 980-983.	0.5	19
43	Carnitine <sup>â</sup> carnitine translocase deficiency: case report and review of the literature. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2003, 92, 501-504.	0.7	18
44	Association of Anti <sup>â</sup> Topoisomerase I Antibodies of the IgM Isotype With Disease Progression in Anti <sup>â</sup> Topoisomerase I <sup>â</sup> Positive Systemic Sclerosis. <i>Arthritis and Rheumatology</i> , 2020, 72, 1897-1904.	2.9	18
45	A reverse translational study on the effect of rituximab, rituximab plus belimumab, or bortezomib on the humoral autoimmune response in SLE. <i>Rheumatology</i> , 2020, 59, 2734-2745.	0.9	18
46	Serotonergic, noradrenergic and dopaminergic markers are related to cognitive function in adults with 22q11 deletion syndrome. <i>International Journal of Neuropsychopharmacology</i> , 2014, 17, 1159-1165.	1.0	17
47	The T1405N Carbamoyl Phosphate Synthetase Polymorphism Does Not Affect Plasma Arginine Concentrations in Preterm Infants. <i>PLoS ONE</i> , 2010, 5, e10792.	1.1	17
48	Partial N <sup>â</sup> acetyl <sup>â</sup> glutamate synthetase deficiency masquerading as a valproic acid <sup>â</sup> induced Reye <sup>â</sup> like syndrome. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 1999, 88, 1409-1411.	0.7	16
49	The pharmacokinetic effect of adalimumab on thiopurine metabolism in Crohn's disease patients. <i>Journal of Crohn's and Colitis</i> , 2014, 8, 120-128.	0.6	16
50	Plasma Levels of Dimethylarginines in Preterm Very Low Birth Weight Neonates: Its Relation with Perinatal Factors and Short-Term Outcome. <i>International Journal of Molecular Sciences</i> , 2015, 16, 19-39.	1.8	16
51	Relevance of pharmacogenetic aspects of mercaptopurine metabolism in the treatment of interstitial lung disease. <i>Current Opinion in Pulmonary Medicine</i> , 2007, 13, 458-463.	1.2	15
52	Metabolic needs of the kidney graft undergoing normothermic machine perfusion. <i>Kidney International</i> , 2021, 100, 301-310.	2.6	15
53	Determination of ITPase Activity in Erythrocyte Lysates Obtained for Determination of Tpm <sup>t</sup> Activity. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2006, 25, 1129-1132.	0.4	14
54	Glutamatergic markers, age, intellectual functioning and psychosis in 22q11 deletion syndrome. <i>Psychopharmacology</i> , 2015, 232, 3319-3325.	1.5	14

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55	Assessment of novel cardiovascular biomarkers in women with a history of recurrent miscarriage. <i>Pregnancy Hypertension</i> , 2018, 11, 129-135.	0.6	14
56	Anticentromere Antibody Levels and Isotypes and the Development of Systemic Sclerosis. <i>Arthritis and Rheumatology</i> , 2021, 73, 2338-2347.	2.9	14
57	Preclinical models versus clinical renal ischemia reperfusion injury: A systematic review based on metabolic signatures. <i>American Journal of Transplantation</i> , 2022, 22, 344-370.	2.6	14
58	Are Children with Cystic Fibrosis Who Are Treated With a Proton-Pump Inhibitor at Risk for Vitamin B 12 Deficiency?. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2001, 33, 342-345.	0.9	13
59	Azathioprine induced pneumonitis in a patient with ulcerative colitis. <i>Journal of Crohn's and Colitis</i> , 2009, 3, 309-312.	0.6	13
60	The muscle protein synthetic response to the combined ingestion of protein and carbohydrate is not impaired in healthy older men. <i>Age</i> , 2013, 35, 2389-2398.	3.0	13
61	A prospective, placebo controlled study on the humoral immune response to and safety of tetanus revaccination in myasthenia gravis. <i>Vaccine</i> , 2017, 35, 6290-6296.	1.7	13
62	Adducted thumbs: A clinical clue to genetic diagnosis. <i>European Journal of Medical Genetics</i> , 2013, 56, 153-158.	0.7	12
63	Circumventing the Crabtree effect in cell culture: A systematic review. <i>Mitochondrion</i> , 2021, 59, 83-95.	1.6	12
64	Early-infantile type of galactosialidosis as a cause of heart failure and neonatal ascites. <i>Journal of Inherited Metabolic Disease</i> , 1999, 22, 666-667.	1.7	11
65	The Effect of <i>ITPA</i> Polymorphisms on the Enzyme Kinetic Properties of Human Erythrocyte Inosine Triphosphatase Toward its Substrates ITP and 6-Thio-ITP. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2011, 30, 839-849.	0.4	11
66	PRODH rs450046 and proline x COMT Val158Met interaction effects on intelligence and startle in adults with 22q11 deletion syndrome. <i>Psychopharmacology</i> , 2015, 232, 3111-3122.	1.5	11
67	Preeclampsia in autologous and oocyte donation pregnancy: is there a different pathophysiology?. <i>Journal of Reproductive Immunology</i> , 2015, 109, 17-23.	0.8	11
68	Proof of concept that most borderline Quantiferon results are true antigen-specific responses. <i>European Respiratory Journal</i> , 2017, 50, 1701630.	3.1	11
69	Peripheral Neuropathy, Episodic Rhabdomyolysis, and Hypoparathyroidism in a Patient with Mitochondrial Trifunctional Protein Deficiency. <i>JIMD Reports</i> , 2017, 38, 101-105.	0.7	11
70	Partial N-acetyl-glutamate synthetase deficiency masquerading as a valproic acid-induced Reye-like syndrome. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 1999, 88, 1409-1411.	0.7	11
71	Biomarkers to identify <i>Mycobacterium tuberculosis</i> infection among borderline QuantiFERON results. <i>European Respiratory Journal</i> , 2022, 60, 2102665.	3.1	11
72	Biochemical abnormalities in a patient with thymidine phosphorylase deficiency with fatal outcome. <i>Journal of Inherited Metabolic Disease</i> , 2010, 33, 139-143.	1.7	10

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73	Inosine triphosphate pyrophosphohydrolase activity: more accurate predictor for ribavirin-induced anemia in hepatitis C infected patients than ITPA genotype. <i>Clinical Chemistry and Laboratory Medicine</i> , 2015, 53, 2021-9.	1.4	10
74	Intermediate hypocretin-1 cerebrospinal fluid levels and typical cataplexy: their significance in the diagnosis of narcolepsy type 1. <i>Sleep</i> , 2022, 45, .	0.6	10
75	Therapeutic regimens in interstitial lung disease guided by genetic screening: fact or fiction?. <i>European Respiratory Journal</i> , 2007, 30, 821-822.	3.1	9
76	A role for ITPA variants in the clinical course of pulmonary Langerhans' cell histiocytosis?. <i>European Respiratory Journal</i> , 2010, 36, 684-686.	3.1	9
77	Biochemical Monitoring and Management During Pregnancy in Patients with Isovaleric Acidaemia is Helpful to Prevent Metabolic Decompensation. <i>JIMD Reports</i> , 2011, 3, 83-89.	0.7	9
78	Antineutrophil cytoplasmic antibodies in infective endocarditis: a case report and systematic review of the literature. <i>Clinical Rheumatology</i> , 2022, 41, 2949-2960.	1.0	9
79	Carbohydrate-deficient transferrin values in neonatal and umbilical cord blood. <i>Journal of Inherited Metabolic Disease</i> , 1996, 19, 253-256.	1.7	8
80	ELIMINATION OF DIMETHYLARGININES IN HYPERTENSIVE PATIENTS WITH MILD TO MODERATE RENAL INSUFFICIENCY: PP.9.344. <i>Journal of Hypertension</i> , 2010, 28, e153.	0.3	7
81	Altered Carbon Dioxide Metabolism and Creatine Abnormalities in Rett Syndrome. <i>JIMD Reports</i> , 2011, 3, 117-124.	0.7	7
82	Early-pregnancy asymmetric dimethylarginine (ADMA) levels in women prone to develop recurrent hypertension. <i>Pregnancy Hypertension</i> , 2013, 3, 118-123.	0.6	7
83	The hypoxanthine-xanthine oxidase axis is not involved in the initial phase of clinical transplantation-related ischemia-reperfusion injury. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 312, F457-F464.	1.3	7
84	Recurrent respiratory tract infections (RRTI) in the elderly: A late onset mild immunodeficiency?. <i>Clinical Immunology</i> , 2017, 180, 111-119.	1.4	6
85	Abnormalities suggestive of latent tuberculosis infection on chest radiography; how specific are they?. <i>Journal of Clinical Tuberculosis and Other Mycobacterial Diseases</i> , 2019, 15, 100089.	0.6	6
86	Association Between Centromere- and Topoisomerase-specific Immune Responses and the Degree of Microangiopathy in Systemic Sclerosis. <i>Journal of Rheumatology</i> , 2021, 48, 402-409.	1.0	6
87	Erythrocyte Inosine Triphosphatase Activity Is Decreased in HIV-Seropositive Individuals. <i>PLoS ONE</i> , 2012, 7, e30175.	1.1	5
88	Erythrocyte Inosine triphosphatase activity: A potential biomarker for adverse events during combination antiretroviral therapy for HIV. <i>PLoS ONE</i> , 2018, 13, e0191069.	1.1	5
89	To what extent do autoantibodies help to identify high-risk patients in systemic sclerosis?. <i>Clinical and Experimental Rheumatology</i> , 2018, 36 Suppl 113, 109-117.	0.4	4
90	An HPLC-Based Assay of Adenylosuccinate Lyase in Erythrocytes. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2011, 30, 908-917.	0.4	3

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91	A novel multiparameter flow cytometric assay for inosine triphosphatase expression analysis in leukocytes. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2012, 81A, 672-678.	1.1	3
92	Inosine Triphosphate Pyrophosphohydrolase Expression: Decreased in Leukocytes of HIV-Infected Patients Using Combination Antiretroviral Therapy. <i>Journal of Acquired Immune Deficiency Syndromes</i> (1999), 2016, 73, 390-395.	0.9	3
93	Metabolic events in HIV-infected patients using abacavir are associated with erythrocyte inosine triphosphatase activity. <i>Journal of Antimicrobial Chemotherapy</i> , 2019, 74, 157-164.	1.3	3
94	A comparative study of inosine triphosphatase activity in fresh erythrocytes and dried blood spots. <i>Clinica Chimica Acta</i> , 2009, 405, 155.	0.5	2
95	Hypocretin-1 measurements in cerebrospinal fluid using radioimmunoassay: within and between assay reliability and limit of quantification. <i>Sleep</i> , 2022, , .	0.6	2
96	Unexplained familial benign methylmalonic aciduria. <i>European Journal of Pediatrics</i> , 2002, 161, 219-220.	1.3	1
97	PS7:129â€¦Synergetic b-cell immunomodulation with rituximab and belimumab combination treatment in severe, refractory sle. , 2018, , .		1
98	Trends in diagnostic methods and treatment of latent tuberculosis infection in a tertiary care center from 2000 to 2017. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2020, 39, 1329-1337.	1.3	1
99	P127â€¦Long-term effects of combined B-cell immunomodulation with rituximab and belimumab in severe, refractory SLE: two year results rituximab and belimumab combination for severe SLE. , 2020, , .		1
100	THU0024â€¦Treatment with immune checkpoint inhibitors and the break of b-cell tolerance to autoantigens. , 2018, , .		1
101	Nâ€acetylâ€glutamate synthetase deficiency or portoâ€systemic shunt associated encephalopathy?. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2002, 91, 729-729.	0.7	0
102	INFLUENCE OF DIETARY SODIUM ON RENAL NITRIC OXIDE INHIBITION AND RENAL BLOOD FLOW IN HYPERTENSIVE CAUCASIANS: 2D.02. <i>Journal of Hypertension</i> , 2010, 28, e25.	0.3	0
103	383 The T1405N Carbamoyl Phosphate Synthetase Polymorphism Does Not Affect Plasma Arginine Concentrations in Preterm Infants. <i>Pediatric Research</i> , 2010, 68, 197-197.	1.1	0
104	FRIO469â€¦The Additive Value of Nailfold Videocapillaroscopy Patterns to Disease-Specific Autoantibodies in Discrimination of Patients with Systemic Sclerosis at Risk for Severe Organ Involvement. <i>Annals of the Rheumatic Diseases</i> , 2015, 74, 597.2-597.	0.5	0
105	SAT0025â€¦Enhanced Capacity of MPO-ANCA Compared To PR3-ANCA for Inducing Neutrophil Extracellular Traps. <i>Annals of the Rheumatic Diseases</i> , 2016, 75, 672.3-673.	0.5	0
106	Keeping Ebola out of the lab: a practical solution on how to analyze Ebola associated blood anomalies. <i>Clinical Chemistry and Laboratory Medicine</i> , 2016, 54, e353-e357.	1.4	0
107	OP0302â€¦Significant reductions of pathogenic autoantibodies by synergetic rituximab and belimumab treatment effectively inhibits neutrophil extracellular traps in severe, refractory sle - the synbiose study. , 2017, , .		0
108	SAT0350â€¦Does a systemic sclerosis patient's clinical phenotype demonstrate his autoantibody status?. , 2017, , .		0

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109	P051/O01â€¦Characterization of the anti-centromere antibody response in systemic sclerosis patients suggests a broad and active B cell response. , 2019, , .		0
110	Antioxidative Amino Acids in Early Enteral Versus Parenteral Nutrition Following Major Rectal Surgery. Critical Care Medicine, 2020, 48, e990-e991.	0.4	0
111	Plasma Amino Acid Concentrations at Birth and Patent Ductus Arteriosus in Very and Extremely Preterm Infants. Frontiers in Pediatrics, 2021, 9, 647018.	0.9	0
112	FRIO451â€¦Continuous presence of igm anti-topoisomerase i antibodies indicates an ongoing immune response in systemic sclerosis. , 2018, , .		0
113	FRIO311â€¦The effect of b cell targeted therapies on autoantibodies and excessive neutrophil extracellular trap formation in systemic lupus erythematosus patients. , 2018, , .		0