# Michiel G Betjes

## List of Publications by Year in descending order



| | | | |
|---|---|---|---|
| 117 papers | 5,107 citations | 81900 39 h-index | 102487 66 g-index |
| 119 all docs | 119 docs citations | 119 times ranked | 6230 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Immune cell dysfunction and inflammation in end-stage renal disease. Nature Reviews Nephrology, 2013, 9, 255-265. | 9.6 | 405 |
| 2 | Immunomodulation By Therapeutic Mesenchymal Stromal Cells (MSC) Is Triggered Through Phagocytosis of MSC By Monocytic Cells. Stem Cells, 2018, 36, 602-615. | 3.2 | 384 |
| 3 | Prevention of dialysis catheter-related sepsis with a citrate-taurolidine-containing lock solution. Nephrology Dialysis Transplantation, 2004, 19, 1546-1551. | 0.7 | 201 |
| 4 | Premature aging of circulating T cells in patients with end-stage renal disease. Kidney International, 2011, 80, 208-217. | 5.2 | 181 |
| 5 | Body mass index and outcome in renal transplant recipients: a systematic review and meta-analysis. BMC Medicine, 2015, 13, 111. | 5.5 | 153 |
| 6 | Interleukin-8 Production by Human Peritoneal Mesothelial Cells in Response to Tumor Necrosis Factor-Â, Interleukln-1, and Medium Conditioned by Macrophages Cocultured with Staphylococcus epidermidis. Journal of Infectious Diseases, 1993, 168, 1202-1210. | 4.0 | 128 |
| 7 | Progressive loss of renal function is associated with activation and depletion of naive T lymphocytes. Clinical Immunology, 2006, 118, 83-91. | 3.2 | 126 |
| 8 | Mesenchymal Stem Cells Induce an Inflammatory Response After Intravenous Infusion. Stem Cells and Development, 2013, 22, 2825-2835. | 2.1 | 114 |
| 9 | Inflammatory Conditions Dictate the Effect of Mesenchymal Stem or Stromal Cells on B Cell Function. Frontiers in Immunology, 2017, 8, 1042. | 4.8 | 106 |
| 10 | Posttransplant Encapsulating Peritoneal Sclerosis: A Worrying New Trend?. Peritoneal Dialysis International, 2007, 27, 619-624. | 2.3 | 95 |
| 11 | Expansion of cytolytic CD4+CD28â^' T cells in end-stage renal disease. Kidney International, 2008, 74, 760-767. | 5.2 | 95 |
| 12 | Uremia causes premature ageing of the T cell compartment in end-stage renal disease patients. Immunity and Ageing, 2012, 9, 19. | 4.2 | 93 |
| 13 | Encapsulating peritoneal sclerosis: the state of affairs. Nature Reviews Nephrology, 2011, 7, 528-538. | 9.6 | 90 |
| 14 | Tamoxifen is associated with lower mortality of encapsulating peritoneal sclerosis: results of the Dutch Multicentre EPS Study. Nephrology Dialysis Transplantation, 2011, 26, 691-697. | 0.7 | 88 |
| 15 | The aftermath of acute kidney injury: a narrative review of long-term mortality and renal function. Critical Care, 2019, 23, 24. | 5.8 | 88 |
| 16 | Regional citrate versus heparin anticoagulation during venovenous hemofiltration in patients at low risk for bleeding: similar hemofilter survival but significantly less bleeding. Journal of Nephrology, 2007, 20, 602-8. | 2.0 | 86 |
| 17 | Risk Factors Associated with Encapsulating Peritoneal Sclerosis in Dutch Eps Study. Peritoneal Dialysis International, 2011, 31, 269-278. | 2.3 | 82 |
| 18 | Terminally Differentiated CD8+ Temra Cells Are Associated With the Risk for Acute Kidney Allograft Rejection. Transplantation, 2012, 94, 63-69. | 1.0 | 75 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | The pathology of jaundice-related renal insufficiency: cholemic nephrosis revisited. Journal of Nephrology, 2006, 19, 229-33. | 2.0 | 72 |
| 20 | COVIDâ€19 in solid organ transplant recipients: a singleâ€center experience. Transplant International, 2020, 33, 1099-1105. | 1.6 | 71 |
| 21 | Peripheral blood dendritic cells and GM-CSF as an adjuvantfor hepatitis B vaccination in hemodialysis patients. Kidney International, 2004, 66, 614-621. | 5.2 | 70 |
| 22 | Update on Controls for Isolation and Quantification Methodology of Extracellular Vesicles Derived from Adipose Tissue Mesenchymal Stem Cells. Frontiers in Immunology, 2014, 5, 525. | 4.8 | 69 |
| 23 | Seropositivity for cytomegalovirus in patients with end-stage renal disease is strongly associated with atherosclerotic disease. Nephrology Dialysis Transplantation, 2007, 22, 3298-3303. | 0.7 | 65 |
| 24 | Immuno-effector characteristics of peritoneal cells during CAPD treatment: A longitudinal study. Kidney International, 1993, 43, 641-648. | 5.2 | 64 |
| 25 | PIRCHE-II Is Related to Graft Failure after Kidney Transplantation. Frontiers in Immunology, 2018, 9, 321. | 4.8 | 63 |
| 26 | Loss of Renal Function Causes Premature Aging of the Immune System. Blood Purification, 2013, 36, 173-178. | 1.8 | 61 |
| 27 | Prevention of catheter-related bloodstream infection in patients on hemodialysis. Nature Reviews Nephrology, 2011, 7, 257-265. | 9.6 | 60 |
| 28 | Attitudes to Medication after Kidney Transplantation and Their Association with Medication Adherence and Graft Survival: A 2-Year Follow-Up Study. Journal of Transplantation, 2014, 2014, 1-9. | 0.5 | 58 |
| 29 | Circulating pro-inflammatory CD4posCD28null T cells are independently associated with cardiovascular disease in ESRD patients. Nephrology Dialysis Transplantation, 2010, 25, 3640-3646. | 0.7 | 55 |
| 30 | Uremia-associated immunological aging is stably imprinted in the T-cell system and not reversed by kidney transplantation. Transplant International, 2014, 27, 1272-1284. | 1.6 | 55 |
| 31 | Differential effects of age, cytomegalovirus-seropositivity and end-stage renal disease (ESRD) on circulating T lymphocyte subsets. Immunity and Ageing, 2011, 8, 2. | 4.2 | 54 |
| 32 | IL-2 Producing Memory CD4+ T Lymphocytes Are Closely Associated with the Generation of IgG-Secreting Plasma Cells. Journal of Immunology, 2008, 181, 3665-3673. | 0.8 | 50 |
| 33 | The effects of chronic kidney disease and renal replacement therapy on circulating dendritic cells. Nephrology Dialysis Transplantation, 2005, 20, 1868-1873. | 0.7 | 49 |
| 34 | Chronic Kidney Disease and Premature Ageing of the Adaptive Immune Response. Current Urology Reports, 2015, 16, 471. | 2.2 | 48 |
| 35 | Antibodies against ARHGDIB are associated with long-term kidney graft loss. American Journal of Transplantation, 2019, 19, 3335-3344. | 4.7 | 46 |
| 36 | Loss of CD28 on Peripheral T Cells Decreases the Risk for Early Acute Rejection after Kidney Transplantation. PLoS ONE, 2016, 11, e0150826. | 2.5 | 46 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | The impact of induction therapy on the homeostasis and function of regulatory T cells in kidney transplant patients. Nephrology Dialysis Transplantation, 2014, 29, 1587-1597. | 0.7 | 45 |
| 38 | A comprehensive characterization of aggravated aging-related changes in T lymphocytes and monocytes in end-stage renal disease: the iESRD study. Immunity and Ageing, 2018, 15, 27. | 4.2 | 43 |
| 39 | Human Bone Marrow- and Adipose Tissue-derived Mesenchymal Stromal Cells are Immunosuppressive In vitro and in a Humanized Allograft Rejection Model. Journal of Stem Cell Research & Therapy, 2013, Suppl 6, 20780. | 0.3 | 42 |
| 40 | A killer on the road: circulating CD4+CD28null T cells as cardiovascular risk factor in ESRD patients. Journal of Nephrology, 2012, 25, 183-191. | 2.0 | 40 |
| 41 | Analysis of Inflammatory Mediators and Peritoneal Permeability to Macromolecules Shortly before the Onset of Overt Peritonitis in Patients Treated with CAPD. Peritoneal Dialysis International, 1995, 15, 134-141. | 2.3 | 38 |
| 42 | ABO-incompatible kidney transplant recipients have a higher bleeding risk after antigen-specific immunoadsorption. Transplant International, 2015, 28, 25-33. | 1.6 | 38 |
| 43 | Kinetics of Homeostatic Proliferation and Thymopoiesis after rATG Induction Therapy in Kidney Transplant Patients. Transplantation, 2013, 96, 904-913. | 1.0 | 36 |
| 44 | The human alloreactive CD4+ T-cell repertoire is biased to a Th17 response and the frequency is inversely related to the number of HLA class II mismatches. Blood, 2009, 114, 3947-3955. | 1.4 | 33 |
| 45 | Patients with Encapsulating Peritoneal Sclerosis Have Increased Peritoneal Expression of Connective Tissue Growth Factor (CCN2), Transforming Growth Factor-Î²1, and Vascular Endothelial Growth Factor. PLoS ONE, 2014, 9, e112050. | 2.5 | 33 |
| 46 | Chronic-active antibody-mediated rejection with or without donor-specific antibodies has similar histomorphology and clinical outcome - a retrospective study. Transplant International, 2018, 31, 900-908. | 1.6 | 33 |
| 47 | Uremia-Associated Ageing of the Thymus and Adaptive Immune Responses. Toxins, 2020, 12, 224. | 3.4 | 33 |
| 48 | Identification of Circulating Human Antigen-Reactive CD4+FOXP3+ Natural Regulatory T Cells. Journal of Immunology, 2012, 188, 1083-1090. | 0.8 | 32 |
| 49 | Allocation to highly sensitized patients based on acceptable mismatches results in low rejection rates comparable to nonsensitized patients. American Journal of Transplantation, 2019, 19, 2926-2933. | 4.7 | 32 |
| 50 | Predictors of short-term successful discontinuation of continuous renal replacement therapy: results from a prospective multicentre study. BMC Nephrology, 2019, 20, 129. | 1.8 | 32 |
| 51 | Hepatitis B vaccine-specific CD4+ T cells can be detected and characterised at the single cell level: Limited usefulness of dendritic cells as signal enhancers. Journal of Immunological Methods, 2008, 330, 1-11. | 1.4 | 31 |
| 52 | Toward a Sensible Single-antigen Bead Cutoff Based on Kidney Graft Survival. Transplantation, 2019, 103, 789-797. | 1.0 | 31 |
| 53 | Immune Cell Infiltrate in Chronic-Active Antibody-Mediated Rejection. Frontiers in Immunology, 2019, 10, 3106. | 4.8 | 30 |
| 54 | T-cell ageing in end-stage renal disease patients: Assessment and clinical relevance. World Journal of Nephrology, 2014, 3, 268. | 2.0 | 30 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Tacrolimus intra-patient variability is not associated with chronic active antibody mediated rejection. PLoS ONE, 2018, 13, e0196552. | 2.5 | 29 |
| 56 | Intraperitoneal Interleukin-8 and Neutrophil Influx in the Initial Phase of a Capd Peritonitis. Peritoneal Dialysis International, 1996, 16, 385-392. | 2.3 | 28 |
| 57 | Significant Decreasing Incidence of Encapsulating Peritoneal Sclerosis in the Dutch Population of Peritoneal Dialysis Patients. Peritoneal Dialysis International, 2017, 37, 230-234. | 2.3 | 28 |
| 58 | CMV Seropositivity Determines Epoetin Dose and Hemoglobin Levels in Patients with CKD. Journal of the American Society of Nephrology: JASN, 2009, 20, 2661-2666. | 6.1 | 26 |
| 59 | Clinical consequences of circulating CD28-negative T cells for solid organ transplantation. Transplant International, 2016, 29, 274-284. | 1.6 | 26 |
| 60 | Development and Validation of a Multiplex Non-HLA Antibody Assay for the Screening of Kidney Transplant Recipients. Frontiers in Immunology, 2018, 9, 3002. | 4.8 | 25 |
| 61 | Treatment with intravenous immunoglobulins and methylprednisolone may significantly decrease loss of renal function in chronic-active antibody-mediated rejection. BMC Nephrology, 2019, 20, 218. | 1.8 | 23 |
| 62 | The First Fifty ABO Blood Group Incompatible Kidney Transplantations: The Rotterdam Experience. Journal of Transplantation, 2014, 2014, 1-6. | 0.5 | 22 |
| 63 | Variations in DNA methylation of interferon gamma and programmed death 1 in allograft rejection after kidney transplantation. Clinical Epigenetics, 2016, 8, 116. | 4.1 | 22 |
| 64 | Protective Cytomegalovirus (CMV)-Specific T-Cell Immunity Is Frequent in Kidney Transplant Patients without Serum Anti-CMV Antibodies. Frontiers in Immunology, 2017, 8, 1137. | 4.8 | 22 |
| 65 | Increased CD16 expression on NK cells is indicative of antibody-dependent cell-mediated cytotoxicity in chronic-active antibody-mediated rejection. Transplant Immunology, 2019, 54, 52-58. | 1.2 | 22 |
| 66 | Lower Mortality and Inflammation from Post-Transplantation Encapsulating Peritoneal Sclerosis Compared to the Classical Form. American Journal of Nephrology, 2013, 37, 223-230. | 3.1 | 21 |
| 67 | End stage renal disease patients have a skewed T cell receptor VÎ² repertoire. Immunity and Ageing, 2015, 12, 28. | 4.2 | 20 |
| 68 | End-Stage Renal Disease Causes Skewing in the TCR VÎ²-Repertoire Primarily within CD8+ T Cell Subsets. Frontiers in Immunology, 2017, 8, 1826. | 4.8 | 19 |
| 69 | Human Allogeneic Bone Marrow and Adipose Tissue Derived Mesenchymal Stromal Cells Induce CD8+ Cytotoxic T Cell Reactivity. Journal of Stem Cell Research & Therapy, 2013, 3, 004. | 0.3 | 19 |
| 70 | Histological and Clinical Findings in Patients with Post-Transplantation and Classical Encapsulating Peritoneal Sclerosis: A European Multicenter Study. PLoS ONE, 2014, 9, e106511. | 2.5 | 18 |
| 71 | Pretransplant Donor-Specific Anti-HLA Antibodies and the Risk for Rejection-Related Graft Failure of Kidney Allografts. Journal of Transplantation, 2020, 2020, 1-10. | 0.5 | 18 |
| 72 | Novel biomarkers for the prediction of acute kidney injury in patients undergoing liver transplantation. Biomarkers in Medicine, 2013, 7, 947-957. | 1.4 | 17 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Substantial Proliferation of Human Renal Tubular Epithelial Cellâ€“Reactive CD4+CD28null Memory T Cells, Which Is Resistant to Tacrolimus and Everolimus. Transplantation, 2014, 97, 47-55. | 1.0 | 17 |
| 74 | Vascular Multiplicity Should Not Be a Contra-Indication for Live Kidney Donation and Transplantation. PLoS ONE, 2016, 11, e0153460. | 2.5 | 17 |
| 75 | Renal function at 1Âyear after cardiac transplantation rather than acute kidney injury is highly associated with long-term patient survival and loss of renal function - a retrospective cohort study. Transplant International, 2017, 30, 788-798. | 1.6 | 16 |
| 76 | Resolution of IgM Nephropathy After Rituximab Treatment. American Journal of Kidney Diseases, 2009, 53, 1059-1062. | 1.9 | 15 |
| 77 | Circulating CD4+CD28null T Cells May Increase the Risk of an Atherosclerotic Vascular Event Shortly after Kidney Transplantation. Journal of Transplantation, 2013, 2013, 1-8. | 0.5 | 15 |
| 78 | A very low thymus function identifies patients with substantial increased risk for long-term mortality after kidney transplantation. Immunity and Ageing, 2020, 17, 4. | 4.2 | 15 |
| 79 | Expression of Senescence Marker TIGIT Identifies Polyfunctional Donor-Reactive CD4+ T Cells Preferentially Lost After Kidney Transplantation. Frontiers in Immunology, 2021, 12, 656846. | 4.8 | 15 |
| 80 | CD4-Positive T Cells and M2 Macrophages Dominate the Peritoneal Infiltrate of Patients with Encapsulating Peritoneal Sclerosis. PLoS ONE, 2015, 10, e0120174. | 2.5 | 15 |
| 81 | Differentially methylated regions in T cells identify kidney transplant patients at risk for de novo skin cancer. Clinical Epigenetics, 2018, 10, 81. | 4.1 | 14 |
| 82 | Encapsulating peritoneal sclerosis is associated with T-cell activation. Nephrology Dialysis Transplantation, 2015, 30, 1568-1576. | 0.7 | 13 |
| 83 | Causes of Kidney Graft Failure in a Cohort of Recipients With a Very Long-Time Follow-Up After Transplantation. Frontiers in Medicine, 2022, 9, . | 2.6 | 13 |
| 84 | Vitamin E-Coated Dialyzer Membranes Downregulate Expression of Monocyte Adhesion and Co-Stimulatory Molecules. Blood Purification, 2004, 22, 510-517. | 1.8 | 12 |
| 85 | Allogeneic Mature Human Dendritic Cells Generate Superior Alloreactive Regulatory T Cells in the Presence of IL-15. Journal of Immunology, 2015, 194, 5282-5293. | 0.8 | 12 |
| 86 | pERK-dependent defective TCR-mediated activation of CD4+ T cells in end-stage renal disease patients. Immunity and Ageing, 2017, 14, 14. | 4.2 | 12 |
| 87 | High numbers of differentiated CD28null CD8+ T cells are associated with a lowered risk for late rejection and graft loss after kidney transplantation. PLoS ONE, 2020, 15, e0228096. | 2.5 | 12 |
| 88 | Uremia-Associated Immunological Aging and Severity of COVID-19 Infection. Frontiers in Medicine, 2021, 8, 675573. | 2.6 | 12 |
| 89 | The FCGR3A 158ÂV/V-genotype is associated with decreased survival of renal allografts with chronic active antibody-mediated rejection. Scientific Reports, 2021, 11, 7903. | 3.3 | 12 |
| 90 | Long-Term Sequelae of Severe Acute Kidney Injury in the Critically Ill Patient without Comorbidity: A Retrospective Cohort Study. PLoS ONE, 2015, 10, e0121482. | 2.5 | 11 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Banff lesions and renal allograft survival in chronic-active antibody mediated rejection. Transplant Immunology, 2019, 56, 101213. | 1.2 | 11 |
| 92 | ARHGDIB and AT1R autoantibodies are differentially related to the development and presence of chronic antibody-mediated rejection and fibrosis in kidney allografts. Human Immunology, 2021, 82, 89-96. | 2.4 | 10 |
| 93 | Interferon-Gamma DNA Methylation Is Affected by Mycophenolic Acid but Not by Tacrolimus after T-Cell Activation. Frontiers in Immunology, 2017, 8, 822. | 4.8 | 9 |
| 94 | T-Cell Composition of the Lymph Node Is Associated with the Risk for Early Rejection after Renal Transplantation. Frontiers in Immunology, 2017, 8, 1416. | 4.8 | 9 |
| 95 | Activated CD4+ T Cells and Highly Differentiated Alloreactive CD4+ T Cells Distinguish Operationally Tolerant Liver Transplantation Recipients. Liver Transplantation, 2022, 28, 98-112. | 2.4 | 8 |
| 96 | Alemtuzumab as Second-Line Treatment for Late Antibody-Mediated Rejection of Transplanted Kidneys. Transplantation Proceedings, 2021, 53, 2206-2211. | 0.6 | 8 |
| 97 | T-Cell Epitopes Shared Between Immunizing HLA and Donor HLA Associate With Graft Failure After Kidney Transplantation. Frontiers in Immunology, 2021, 12, 784040. | 4.8 | 8 |
| 98 | â€œWhat if this is my chance to save my life?â€•A semistructured interview study on the motives and experiences of end-stage renal disease patients who engaged in public solicitation of a living kidney donor. Transplant International, 2018, 31, 318-331. | 1.6 | 7 |
| 99 | Predictors of 90-Day Restart of Renal Replacement Therapy after Discontinuation of Continuous Renal Replacement Therapy, a Prospective Multicenter Study. Blood Purification, 2019, 48, 243-252. | 1.8 | 7 |
| 100 | Effect of initial immunosuppression on long-term kidney transplant outcome in immunological low-risk patients. Nephrology Dialysis Transplantation, 2019, 34, 1417-1422. | 0.7 | 7 |
| 101 | Reversible Renal Failure Due to Bilateral Renal Sarcoma in a Patient with Acute Myeloid Leukemia. Renal Failure, 2009, 31, 606-609. | 2.1 | 6 |
| 102 | Ureteral length in live donor kidney transplantation; Does size matter?. Transplant International, 2015, 28, 1326-1331. | 1.6 | 6 |
| 103 | Creating Options for Difficult-to-match Kidney Transplant Candidates. Transplantation, 2021, 105, 240-248. | 1.0 | 6 |
| 104 | Alternative Living Kidney Donation Programs Boost Genetically Unrelated Donation. Journal of Transplantation, 2015, 2015, 1-6. | 0.5 | 4 |
| 105 | A series of patients with minimal change nephropathy treated with rituximab during adolescence and adulthood. BMC Research Notes, 2015, 8, 266. | 1.4 | 4 |
| 106 | Is simplification of immunosuppressive medication a way to promote medication adherence of kidney transplant recipients? Findings from a randomized controlled trial. Transplant International, 2021, 34, 1703-1711. | 1.6 | 4 |
| 107 | Postâ€Transplantation Immunoadsorption Can Be Withheld in <scp>ABO</scp>â€Incompatible Kidney Transplant Recipients. Therapeutic Apheresis and Dialysis, 2015, 19, 513-517. | 0.9 | 3 |
| 108 | Validation of a Combined Transcriptome and T Cell Receptor Alpha/Beta (TRA/TRB) Repertoire Assay at the Single Cell Level for Paucicellular Samples. Frontiers in Immunology, 2020, 11, 1999. | 4.8 | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Rotterdam: Main port for organ transplantation research in the Netherlands. Transplant Immunology, 2014, 31, 200-206. | 1.2 | 1 |
| 110 | Current Tolerance-Associated Peripheral Blood Gene Expression Profiles After Liver Transplantation Are Influenced by Immunosuppressive Drugs and Prior Cytomegalovirus Infection. Frontiers in Immunology, 2021, 12, 738837. | 4.8 | 1 |
| 111 | HYDROXYETHYLSTARCH SOLUTIONS VERSUS SALINE FOR THE TREATMENT OF INTRADIALYTIC HYPOTENSION. Journal of Renal Care, 2007, 33, 130-133. | 1.2 | 0 |
| 112 | Title is missing!. , 2020, 15, e0228096. | | 0 |
| 113 | Title is missing!. , 2020, 15, e0228096. | | 0 |
| 114 | Title is missing!. , 2020, 15, e0228096. | | 0 |
| 115 | Title is missing!. , 2020, 15, e0228096. | | 0 |
| 116 | Title is missing!. , 2020, 15, e0228096. | | 0 |
| 117 | Title is missing!. , 2020, 15, e0228096. | | 0 |