# Michiel G Betjes

## List of Publications by Citations



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| 116 papers | 3,688 citations | 34 h-index | 57 g-index |
| 119 ext. papers | 4,477 ext. citations | 5.1 avg, IF | 5.82 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 116 | Immune cell dysfunction and inflammation in end-stage renal disease. *Nature Reviews Nephrology*, **2013**, 9, 255-65 | 14.9 | 286 |
| 115 | Immunomodulation By Therapeutic Mesenchymal Stromal Cells (MSC) Is Triggered Through Phagocytosis of MSC By Monocytic Cells. *Stem Cells*, **2018**, 36, 602-615 | 5.8 | 231 |
| 114 | Prevention of dialysis catheter-related sepsis with a citrate-taurolidine-containing lock solution. *Nephrology Dialysis Transplantation*, **2004**, 19, 1546-51 | 4.3 | 172 |
| 113 | Premature aging of circulating T cells in patients with end-stage renal disease. *Kidney International*, **2011**, 80, 208-17 | 9.9 | 125 |
| 112 | Interleukin-8 production by human peritoneal mesothelial cells in response to tumor necrosis factor-alpha, interleukin-1, and medium conditioned by macrophages cocultured with Staphylococcus epidermidis. *Journal of Infectious Diseases*, **1993**, 168, 1202-10 | 7 | 117 |
| 111 | Progressive loss of renal function is associated with activation and depletion of naive T lymphocytes. *Clinical Immunology*, **2006**, 118, 83-91 | 9 | 107 |
| 110 | Body mass index and outcome in renal transplant recipients: a systematic review and meta-analysis. *BMC Medicine*, **2015**, 13, 111 | 11.4 | 101 |
| 109 | Mesenchymal stem cells induce an inflammatory response after intravenous infusion. *Stem Cells and Development*, **2013**, 22, 2825-35 | 4.4 | 89 |
| 108 | Posttransplant Encapsulating Peritoneal Sclerosis: A Worrying New Trend?. *Peritoneal Dialysis International*, **2007**, 27, 619-624 | 2.8 | 86 |
| 107 | Expansion of cytolytic CD4+CD28- T cells in end-stage renal disease. *Kidney International*, **2008**, 74, 760-7 | 9.9 | 85 |
| 106 | Risk factors associated with encapsulating peritoneal sclerosis in Dutch EPS study. *Peritoneal Dialysis International*, **2011**, 31, 269-78 | 2.8 | 73 |
| 105 | Encapsulating peritoneal sclerosis: the state of affairs. *Nature Reviews Nephrology*, **2011**, 7, 528-38 | 14.9 | 72 |
| 104 | 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 | 4.8 | 72 |
| 103 | Uremia causes premature ageing of the T cell compartment in end-stage renal disease patients. *Immunity and Ageing*, **2012**, 9, 19 | 9.7 | 68 |
| 102 | Tamoxifen is associated with lower mortality of encapsulating peritoneal sclerosis: results of the Dutch Multicentre EPS Study. *Nephrology Dialysis Transplantation*, **2011**, 26, 691-7 | 4.3 | 68 |
| 101 | Inflammatory Conditions Dictate the Effect of Mesenchymal Stem or Stromal Cells on B Cell Function. *Frontiers in Immunology*, **2017**, 8, 1042 | 8.4 | 67 |
| 100 | The pathology of jaundice-related renal insufficiency: cholemic nephrosis revisited. *Journal of Nephrology*, **2006**, 19, 229-33 | 4.8 | 60 |

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| 99 | Update on controls for isolation and quantification methodology of extracellular vesicles derived from adipose tissue mesenchymal stem cells. *Frontiers in Immunology*, **2014**, 5, 525 | 8.4 | 58 |
| 98 | Peripheral blood dendritic cells and GM-CSF as an adjuvant for hepatitis B vaccination in hemodialysis patients. *Kidney International*, **2004**, 66, 614-21 | 9.9 | 58 |
| 97 | The aftermath of acute kidney injury: a narrative review of long-term mortality and renal function. *Critical Care*, **2019**, 23, 24 | 10.8 | 56 |
| 96 | COVID-19 in solid organ transplant recipients: a single-center experience. *Transplant International*, **2020**, 33, 1099-1105 | 3 | 56 |
| 95 | Immuno-effector characteristics of peritoneal cells during CAPD treatment: a longitudinal study. *Kidney International*, **1993**, 43, 641-8 | 9.9 | 56 |
| 94 | Seropositivity for cytomegalovirus in patients with end-stage renal disease is strongly associated with atherosclerotic disease. *Nephrology Dialysis Transplantation*, **2007**, 22, 3298-303 | 4.3 | 53 |
| 93 | Prevention of catheter-related bloodstream infection in patients on hemodialysis. *Nature Reviews Nephrology*, **2011**, 7, 257-65 | 14.9 | 49 |
| 92 | Terminally differentiated CD8+ Temra cells are associated with the risk for acute kidney allograft rejection. *Transplantation*, **2012**, 94, 63-9 | 1.8 | 48 |
| 91 | Circulating pro-inflammatory CD4posCD28null T cells are independently associated with cardiovascular disease in ESRD patients. *Nephrology Dialysis Transplantation*, **2010**, 25, 3640-6 | 4.3 | 46 |
| 90 | IL-2 producing memory CD4+ T lymphocytes are closely associated with the generation of IgG-secreting plasma cells. *Journal of Immunology*, **2008**, 181, 3665-73 | 5.3 | 44 |
| 89 | The effects of chronic kidney disease and renal replacement therapy on circulating dendritic cells. *Nephrology Dialysis Transplantation*, **2005**, 20, 1868-73 | 4.3 | 44 |
| 88 | Loss of renal function causes premature aging of the immune system. *Blood Purification*, **2013**, 36, 173-8 | 3.1 | 43 |
| 87 | Differential effects of age, cytomegalovirus-seropositivity and end-stage renal disease (ESRD) on circulating T lymphocyte subsets. *Immunity and Ageing*, **2011**, 8, 2 | 9.7 | 43 |
| 86 | Uremia-associated immunological aging is stably imprinted in the T-cell system and not reversed by kidney transplantation. *Transplant International*, **2014**, 27, 1272-84 | 3 | 42 |
| 85 | 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, 675301 | 2.3 | 42 |
| 84 | PIRCHE-II Is Related to Graft Failure after Kidney Transplantation. *Frontiers in Immunology*, **2018**, 9, 321 | 8.4 | 37 |
| 83 | The impact of induction therapy on the homeostasis and function of regulatory T cells in kidney transplant patients. *Nephrology Dialysis Transplantation*, **2014**, 29, 1587-97 | 4.3 | 36 |
| 82 | Chronic kidney disease and premature ageing of the adaptive immune response. *Current Urology Reports*, **2015**, 16, 471 | 2.9 | 34 |

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| 81 | 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 | 2.8 | 33 |
| 80 | Identification of circulating human antigen-reactive CD4+ FOXP3+ natural regulatory T cells. *Journal of Immunology*, **2012**, 188, 1083-90 | 5.3 | 30 |
| 79 | A killer on the road: circulating CD4(+)CD28null T cells as cardiovascular risk factor in ESRD patients. *Journal of Nephrology*, **2012**, 25, 183-91 | 4.8 | 30 |
| 78 | ABO-incompatible kidney transplant recipients have a higher bleeding risk after antigen-specific immunoadsorption. *Transplant International*, **2015**, 28, 25-33 | 3 | 29 |
| 77 | Kinetics of homeostatic proliferation and thymopoiesis after rATG induction therapy in kidney transplant patients. *Transplantation*, **2013**, 96, 904-13 | 1.8 | 29 |
| 76 | Human Bone Marrow- and Adipose Tissue-derived Mesenchymal Stromal Cells are Immunosuppressive and in a Humanized Allograft Rejection Model. *Journal of Stem Cell Research & Therapy*, **2013**, Suppl 6, 20780 | 1 | 29 |
| 75 | 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 | 9.7 | 29 |
| 74 | Antibodies against ARHGDIB are associated with long-term kidney graft loss. *American Journal of Transplantation*, **2019**, 19, 3335-3344 | 8.7 | 27 |
| 73 | Intraperitoneal Interleukin-8 and Neutrophil Influx in the Initial Phase of a Capd Peritonitis. *Peritoneal Dialysis International*, **1996**, 16, 385-392 | 2.8 | 27 |
| 72 | Patients with encapsulating peritoneal sclerosis have increased peritoneal expression of connective tissue growth factor (CCN2), transforming growth factor-β1, and vascular endothelial growth factor. *PLoS ONE*, **2014**, 9, e112050 | 3.7 | 26 |
| 71 | 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 | 2.5 | 26 |
| 70 | Loss of CD28 on Peripheral T Cells Decreases the Risk for Early Acute Rejection after Kidney Transplantation. *PLoS ONE*, **2016**, 11, e0150826 | 3.7 | 26 |
| 69 | T-cell ageing in end-stage renal disease patients: Assessment and clinical relevance. *World Journal of Nephrology*, **2014**, 3, 268-76 | 3.6 | 25 |
| 68 | 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, 3947-55 | 2.2 | 24 |
| 67 | Significant Decreasing Incidence of Encapsulating Peritoneal Sclerosis in the Dutch Population of Peritoneal Dialysis Patients. *Peritoneal Dialysis International*, **2017**, 37, 230-234 | 2.8 | 23 |
| 66 | 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 | 3 | 20 |
| 65 | Tacrolimus intra-patient variability is not associated with chronic active antibody mediated rejection. *PLoS ONE*, **2018**, 13, e0196552 | 3.7 | 20 |
| 64 | Lower mortality and inflammation from post-transplantation encapsulating peritoneal sclerosis compared to the classical form. *American Journal of Nephrology*, **2013**, 37, 223-30 | 4.6 | 19 |

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| 63 | The First Fifty ABO Blood Group Incompatible Kidney Transplantations: The Rotterdam Experience. *Journal of Transplantation*, **2014**, 2014, 913902 | 2.3 | 18 |
| 62 | Immune Cell Infiltrate in Chronic-Active Antibody-Mediated Rejection. *Frontiers in Immunology*, **2019**, 10, 3106 | 8.4 | 17 |
| 61 | Clinical consequences of circulating CD28-negative T cells for solid organ transplantation. *Transplant International*, **2016**, 29, 274-84 | 3 | 16 |
| 60 | Substantial proliferation of human renal tubular epithelial cell-reactive CD4+CD28null memory T cells, which is resistant to tacrolimus and everolimus. *Transplantation*, **2014**, 97, 47-55 | 1.8 | 16 |
| 59 | Protective Cytomegalovirus (CMV)-Specific T-Cell Immunity Is Frequent in Kidney Transplant Patients without Serum Anti-CMV Antibodies. *Frontiers in Immunology*, **2017**, 8, 1137 | 8.4 | 16 |
| 58 | CMV seropositivity determines epoetin dose and hemoglobin levels in patients with CKD. *Journal of the American Society of Nephrology: JASN*, **2009**, 20, 2661-6 | 12.7 | 16 |
| 57 | Histological and clinical findings in patients with post-transplantation and classical encapsulating peritoneal sclerosis: a European multicenter study. *PLoS ONE*, **2014**, 9, e106511 | 3.7 | 15 |
| 56 | Novel biomarkers for the prediction of acute kidney injury in patients undergoing liver transplantation. *Biomarkers in Medicine*, **2013**, 7, 947-57 | 2.3 | 15 |
| 55 | Toward a Sensible Single-antigen Bead Cutoff Based on Kidney Graft Survival. *Transplantation*, **2019**, 103, 789-797 | 1.8 | 15 |
| 54 | Development and Validation of a Multiplex Non-HLA Antibody Assay for the Screening of Kidney Transplant Recipients. *Frontiers in Immunology*, **2018**, 9, 3002 | 8.4 | 15 |
| 53 | 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 | 8.7 | 14 |
| 52 | End stage renal disease patients have a skewed T cell receptor V repertoire. *Immunity and Ageing*, **2015**, 12, 28 | 9.7 | 14 |
| 51 | Vascular Multiplicity Should Not Be a Contra-Indication for Live Kidney Donation and Transplantation. *PLoS ONE*, **2016**, 11, e0153460 | 3.7 | 14 |
| 50 | Uremia-Associated Ageing of the Thymus and Adaptive Immune Responses. *Toxins*, **2020**, 12, | 4.9 | 14 |
| 49 | Treatment with intravenous immunoglobulins and methylprednisolone may significantly decrease loss of renal function in chronic-active antibody-mediated rejection. *BMC Nephrology*, **2019**, 20, 218 | 2.7 | 13 |
| 48 | Predictors of short-term successful discontinuation of continuous renal replacement therapy: results from a prospective multicentre study. *BMC Nephrology*, **2019**, 20, 129 | 2.7 | 13 |
| 47 | 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 | 1.7 | 13 |
| 46 | Circulating CD4(+)CD28null T Cells May Increase the Risk of an Atherosclerotic Vascular Event Shortly after Kidney Transplantation. *Journal of Transplantation*, **2013**, 2013, 841430 | 2.3 | 13 |

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| 45 | Resolution of IgM nephropathy after rituximab treatment. *American Journal of Kidney Diseases*, **2009**, 53, 1059-62 | 7.4 | 13 |
| 44 | 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 | 1 | 13 |
| 43 | Renal function at 1 year 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 | 3 | 12 |
| 42 | Allogeneic Mature Human Dendritic Cells Generate Superior Alloreactive Regulatory T Cells in the Presence of IL-15. *Journal of Immunology*, **2015**, 194, 5282-93 | 5.3 | 12 |
| 41 | CD4-Positive T Cells and M2 Macrophages Dominate the Peritoneal Infiltrate of Patients with Encapsulating Peritoneal Sclerosis. *PLoS ONE*, **2015**, 10, e0120174 | 3.7 | 12 |
| 40 | Variations in DNA methylation of interferon gamma and programmed death 1 in allograft rejection after kidney transplantation. *Clinical Epigenetics*, **2016**, 8, 116 | 7.7 | 12 |
| 39 | Differentially methylated regions in T cells identify kidney transplant patients at risk for de novo skin cancer. *Clinical Epigenetics*, **2018**, 10, 81 | 7.7 | 11 |
| 38 | End-Stage Renal Disease Causes Skewing in the TCR V Repertoire Primarily within CD8 T Cell Subsets. *Frontiers in Immunology*, **2017**, 8, 1826 | 8.4 | 11 |
| 37 | Vitamin E-coated dialyzer membranes downregulate expression of monocyte adhesion and co-stimulatory molecules. *Blood Purification*, **2004**, 22, 510-7 | 3.1 | 11 |
| 36 | Encapsulating peritoneal sclerosis is associated with T-cell activation. *Nephrology Dialysis Transplantation*, **2015**, 30, 1568-76 | 4.3 | 10 |
| 35 | pERK-dependent defective TCR-mediated activation of CD4 T cells in end-stage renal disease patients. *Immunity and Ageing*, **2017**, 14, 14 | 9.7 | 9 |
| 34 | Interferon-Gamma DNA Methylation Is Affected by Mycophenolic Acid but Not by Tacrolimus after T-Cell Activation. *Frontiers in Immunology*, **2017**, 8, 822 | 8.4 | 9 |
| 33 | Long-term sequelae of severe acute kidney injury in the critically ill patient without comorbidity: a retrospective cohort study. *PLoS ONE*, **2015**, 10, e0121482 | 3.7 | 9 |
| 32 | A very low thymus function identifies patients with substantial increased risk for long-term mortality after kidney transplantation. *Immunity and Ageing*, **2020**, 17, 4 | 9.7 | 8 |
| 31 | Banff lesions and renal allograft survival in chronic-active antibody mediated rejection. *Transplant Immunology*, **2019**, 56, 101213 | 1.7 | 6 |
| 30 | Reversible renal failure due to bilateral renal sarcoma in a patient with acute myeloid leukemia. *Renal Failure*, **2009**, 31, 606-9 | 2.9 | 6 |
| 29 | Uremia-Associated Immunological Aging and Severity of COVID-19 Infection. *Frontiers in Medicine*, **2021**, 8, 675573 | 4.9 | 6 |
| 28 | 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 | 3.1 | 5 |

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| 27 | 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 | 3.7 | 4 |
| 26 | T-Cell Composition of the Lymph Node Is Associated with the Risk for Early Rejection after Renal Transplantation. *Frontiers in Immunology*, **2017**, 8, 1416 | 8.4 | 4 |
| 25 | Ureteral length in live donor kidney transplantation; Does size matter?. *Transplant International*, **2015**, 28, 1326-31 | 3 | 4 |
| 24 | Alternative Living Kidney Donation Programs Boost Genetically Unrelated Donation. *Journal of Transplantation*, **2015**, 2015, 748102 | 2.3 | 4 |
| 23 | Pretransplant Donor-Specific Anti-HLA Antibodies and the Risk for Rejection-Related Graft Failure of Kidney Allografts. *Journal of Transplantation*, **2020**, 2020, 5694670 | 2.3 | 3 |
| 22 | Post-Transplantation Immunoadsorption Can Be Withheld in ABO-Incompatible Kidney Transplant Recipients. *Therapeutic Apheresis and Dialysis*, **2015**, 19, 513-7 | 1.9 | 3 |
| 21 | The FCGR3A 158V/V-genotype is associated with decreased survival of renal allografts with chronic active antibody-mediated rejection. *Scientific Reports*, **2021**, 11, 7903 | 4.9 | 3 |
| 20 | 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 | 2.3 | 3 |
| 19 | "What if this is my chance to save my life?" 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 | 3 | 3 |
| 18 | A series of patients with minimal change nephropathy treated with rituximab during adolescence and adulthood. *BMC Research Notes*, **2015**, 8, 266 | 2.3 | 2 |
| 17 | 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 | 8.4 | 2 |
| 16 | Activated CD4 T Cells and Highly Differentiated Alloreactive CD4 T Cells Distinguish Operationally Tolerant Liver Transplantation Recipients. *Liver Transplantation*, **2021**, | 4.5 | 2 |
| 15 | Effect of initial immunosuppression on long-term kidney transplant outcome in immunological low-risk patients. *Nephrology Dialysis Transplantation*, **2019**, 34, 1417-1422 | 4.3 | 2 |
| 14 | Rotterdam: main port for organ transplantation research in the Netherlands. *Transplant Immunology*, **2014**, 31, 200-6 | 1.7 | 1 |
| 13 | T-Cell Epitopes Shared Between Immunizing HLA and Donor HLA Associate With Graft Failure After Kidney Transplantation. *Frontiers in Immunology*, **2021**, 12, 784040 | 8.4 | 1 |
| 12 | Creating Options for Difficult-to-match Kidney Transplant Candidates. *Transplantation*, **2021**, 105, 240-248 | 4.8 | 1 |
| 11 | Expression of Senescence Marker TIGIT Identifies Polyfunctional Donor-Reactive CD4+ T Cells Preferentially Lost After Kidney Transplantation. *Frontiers in Immunology*, **2021**, 12, 656846 | 8.4 | 1 |
| 10 | 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 | 3 | 1 |

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| 9 | Alemtuzumab as Second-Line Treatment for Late Antibody-Mediated Rejection of Transplanted Kidneys. *Transplantation Proceedings*, **2021**, 53, 2206-2211 | 1.1 | 1 |
| 8 | 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 | 8.4 | 0 |
| 7 | Hydroxyethylstarch solutions versus saline for the treatment of intradialytic hypotension. *Journal of Renal Care*, **2007**, 33, 130-3 | 1.6 | |
| 6 | High numbers of differentiated CD28null CD8+ T cells are associated with a lowered risk for late rejection and graft loss after kidney transplantation **2020**, 15, e0228096 | | |
| 5 | High numbers of differentiated CD28null CD8+ T cells are associated with a lowered risk for late rejection and graft loss after kidney transplantation **2020**, 15, e0228096 | | |
| 4 | High numbers of differentiated CD28null CD8+ T cells are associated with a lowered risk for late rejection and graft loss after kidney transplantation **2020**, 15, e0228096 | | |
| 3 | High numbers of differentiated CD28null CD8+ T cells are associated with a lowered risk for late rejection and graft loss after kidney transplantation **2020**, 15, e0228096 | | |
| 2 | High numbers of differentiated CD28null CD8+ T cells are associated with a lowered risk for late rejection and graft loss after kidney transplantation **2020**, 15, e0228096 | | |
| 1 | High numbers of differentiated CD28null CD8+ T cells are associated with a lowered risk for late rejection and graft loss after kidney transplantation **2020**, 15, e0228096 | | |