

# Sebastiaan Heidt

## List of Publications by Year in descending order

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Version: 2024-02-01

113  
papers

2,773  
citations

172386

29  
h-index

233338

45  
g-index

118  
all docs

118  
docs citations

118  
times ranked

3429  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Calcineurin inhibitors affect B cell antibody responses indirectly by interfering with T cell help. <i>Clinical and Experimental Immunology</i> , 2009, 159, 199-207.                                  | 1.1 | 132       |
| 2  | B Cell Repopulation After Alemtuzumab Induction—Transient Increase in Transitional B Cells and Long-Term Dominance of Naïve B Cells. <i>American Journal of Transplantation</i> , 2012, 12, 1784-1792. | 2.6 | 114       |
| 3  | Effects of Immunosuppressive Drugs On Purified Human B Cells: Evidence Supporting the Use of MMF and Rapamycin. <i>Transplantation</i> , 2008, 86, 1292-1300.  | 0.5 | 105       |
| 4  | The impact of Th17 cells on transplant rejection and the induction of tolerance. <i>Current Opinion in Organ Transplantation</i> , 2010, 15, 456-461.  | 0.8 | 100       |
| 5  | Extensive Cross-Reactivity of CD4 + Adenovirus-Specific T Cells: Implications for Immunotherapy and Gene Therapy. <i>Journal of Virology</i> , 2003, 77, 6562-6566.                                    | 1.5 | 84        |
| 6  | The 25th anniversary of the Eurotransplant Acceptable Mismatch program for highly sensitized patients. <i>Transplant Immunology</i> , 2015, 33, 51-57.   | 0.6 | 82        |
| 7  | Regulatory B cells: Phenotype, function and role in transplantation. <i>Transplant Immunology</i> , 2017, 41, 1-9.   | 0.6 | 69        |
| 8  | Peripheral Blood Sampling for the Detection of Allograft Rejection: Biomarker Identification and Validation. <i>Transplantation</i> , 2011, 92, 1-9.   | 0.5 | 68        |
| 9  | Differential effects of donor-specific HLA antibodies in living versus deceased donor transplant. <i>American Journal of Transplantation</i> , 2018, 18, 2274-2284.                                    | 2.6 | 65        |
| 10 | A Novel ELISPOT Assay to Quantify HLA-Specific B Cells in HLA-Immunized Individuals. <i>American Journal of Transplantation</i> , 2012, 12, 1469-1478.   | 2.6 | 64        |
| 11 | Th17: Contributors to Allograft Rejection and a Barrier to the Induction of Transplantation Tolerance?. <i>Transplantation</i> , 2011, 91, 939-945.  | 0.5 | 63        |
| 12 | PIRCHE-II Is Related to Graft Failure after Kidney Transplantation. <i>Frontiers in Immunology</i> , 2018, 9, 321.   | 2.2 | 63        |
| 13 | Safety of allogeneic bone marrow derived mesenchymal stromal cell therapy in renal transplant recipients: the neptune study. <i>Journal of Translational Medicine</i> , 2015, 13, 344.                 | 1.8 | 59        |
| 14 | <sc>HLA-EMMA</sc>: A user-friendly tool to analyse <sc>HLA</sc> class I and class <sc>II</sc> compatibility on the amino acid level. <i>Hla</i> , 2020, 96, 43-51.                                     | 0.4 | 53        |
| 15 | Kidney allocation based on proven acceptable antigens results in superior graft survival in highly sensitized patients. <i>Kidney International</i> , 2018, 93, 491-500.                               | 2.6 | 52        |
| 16 | Infectious pathogens may trigger specific allo-HLA reactivity via multiple mechanisms. <i>Immunogenetics</i> , 2017, 69, 631-641.  | 1.2 | 50        |
| 17 | Blood cell mRNAs and microRNAs: optimized protocols for extraction and preservation. <i>Blood</i> , 2013, 121, e81-e89.  | 0.6 | 49        |
| 18 | B Cell Immunity in Solid Organ Transplantation. <i>Frontiers in Immunology</i> , 2016, 7, 686.   | 2.2 | 49        |

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|----|---|-----|-----------|
| 19 | Antibodies against ARHGDI B are associated with long-term kidney graft loss. <i>American Journal of Transplantation</i> , 2019, 19, 3335-3344.  | 2.6 | 46        |
| 20 | Regulatory T Cells in Pregnancy: It Is Not All About FoxP3. <i>Frontiers in Immunology</i> , 2020, 11, 1182.  | 2.2 | 42        |
| 21 | Autologous bone marrow derived mesenchymal stromal cell therapy in combination with everolimus to preserve renal structure and function in renal transplant recipients. <i>Journal of Translational Medicine</i> , 2014, 12, 331. | 1.8 | 41        |
| 22 | Restricted specificity of peripheral alloreactive memory B cells in HLA-sensitized patients awaiting a kidney transplant. <i>Kidney International</i> , 2015, 87, 1230-1240.  | 2.6 | 39        |
| 23 | Proteasome Inhibition Profoundly Affects Activated Human B Cells. <i>Transplantation</i> , 2013, 95, 1331-1337.   | 0.5 | 38        |
| 24 | Novel aspects of epitope matching and practical application in kidney transplantation. <i>Kidney International</i> , 2018, 93, 314-324.   | 2.6 | 37        |
| 25 | Defining the immunogenicity and antigenicity of HLA epitopes is crucial for optimal epitope matching in clinical renal transplantation. <i>Hla</i> , 2017, 90, 5-16.  | 0.4 | 36        |
| 26 | The long and winding road towards epitope matching in clinical transplantation. <i>Transplant International</i> , 2019, 32, 16-24.  | 0.8 | 35        |
| 27 | Quantification of HLA class II-specific memory B cells in HLA-sensitized individuals. <i>Human Immunology</i> , 2015, 76, 129-136.  | 1.2 | 34        |
| 28 | An Easy and Sensitive Method to Profile the Antibody Specificities of HLA-specific Memory B Cells. <i>Transplantation</i> , 2019, 103, 716-723.   | 0.5 | 34        |
| 29 | Human leukocyte antigen selected allogeneic mesenchymal stromal cell therapy in renal transplantation: The Neptune study, a phase I single-center study. <i>American Journal of Transplantation</i> , 2020, 20, 2905-2915.        | 2.6 | 34        |
| 30 | Tissue-specific endothelial cell heterogeneity contributes to unequal inflammatory responses. <i>Scientific Reports</i> , 2021, 11, 1949.   | 1.6 | 34        |
| 31 | Allocation to highly sensitized patients based on acceptable mismatches results in low rejection rates comparable to nonsensitized patients. <i>American Journal of Transplantation</i> , 2019, 19, 2926-2933.                    | 2.6 | 32        |
| 32 | A Memory B Cell Crossmatch Assay for Quantification of Donor-Specific Memory B Cells in the Peripheral Blood of HLA-Immunized Individuals. <i>American Journal of Transplantation</i> , 2017, 17, 2617-2626.                      | 2.6 | 31        |
| 33 | Toward a Sensible Single-antigen Bead Cutoff Based on Kidney Graft Survival. <i>Transplantation</i> , 2019, 103, 789-797.   | 0.5 | 31        |
| 34 | Cross-Reactivity of Virus-Specific CD8+ T Cells Against Allogeneic HLA-C: Possible Implications for Pregnancy Outcome. <i>Frontiers in Immunology</i> , 2018, 9, 2880.  | 2.2 | 29        |
| 35 | Biomarkers of operational tolerance in solid organ transplantation. <i>Expert Opinion on Medical Diagnostics</i> , 2012, 6, 281-293.  | 1.6 | 28        |
| 36 | Intravenous immunoglobulin preparations have no direct effect on B cell proliferation and immunoglobulin production. <i>Clinical and Experimental Immunology</i> , 2009, 158, 99-105.   | 1.1 | 27        |

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|----|---|-----|-----------|
| 37 | B Cell Markers of Operational Tolerance Can Discriminate Acute Kidney Allograft Rejection From Stable Graft Function. <i>Transplantation</i> , 2015, 99, 1058-1064.   | 0.5 | 25        |
| 38 | Monitoring B cell subsets and alloreactivity in kidney transplantation. <i>Transplantation Reviews</i> , 2015, 29, 45-52.   | 1.2 | 25        |
| 39 | Development and Validation of a Multiplex Non-HLA Antibody Assay for the Screening of Kidney Transplant Recipients. <i>Frontiers in Immunology</i> , 2018, 9, 3002.   | 2.2 | 25        |
| 40 | Pretransplant C3d-Fixing Donor-Specific Anti-HLA Antibodies Are Not Associated with Increased Risk for Kidney Graft Failure. <i>Journal of the American Society of Nephrology: JASN</i> , 2018, 29, 2279-2285.                          | 3.0 | 25        |
| 41 | Generation and reactivity analysis of human recombinant monoclonal antibodies directed against epitopes on HLA-DR. <i>American Journal of Transplantation</i> , 2020, 20, 3341-3353.  | 2.6 | 25        |
| 42 | Autologous bone marrow-derived mesenchymal stromal cell therapy with early tacrolimus withdrawal: The randomized prospective, single-center, open-label TRITON study. <i>American Journal of Transplantation</i> , 2021, 21, 3055-3065. | 2.6 | 25        |
| 43 | Anti-HLA antibodies with complementary and synergistic interaction geometries promote classical complement activation on platelets. <i>Haematologica</i> , 2019, 104, 403-416.  | 1.7 | 23        |
| 44 | Donor-specific B Cell Memory in Alloimmunized Kidney Transplant Recipients: First Clinical Application of a Novel Method. <i>Transplantation</i> , 2020, 104, 1026-1032.  | 0.5 | 23        |
| 45 | Highly Sensitized Patients Are Well Served by Receiving a Compatible Organ Offer Based on Acceptable Mismatches. <i>Frontiers in Immunology</i> , 2021, 12, 687254.   | 2.2 | 23        |
| 46 | Polyclonal B cell activation for accurate analysis of pre-existing antigen-specific memory B cells. <i>Clinical and Experimental Immunology</i> , 2014, 177, 333-340.   | 1.1 | 22        |
| 47 | A subset of anti-HLA antibodies induces Fc $\gamma$ 3RIIa-dependent platelet activation. <i>Haematologica</i> , 2018, 103, 1741-1752.   | 1.7 | 21        |
| 48 | Ischemia-Reperfusion Injury Accelerates Human Antibody-Mediated Transplant Vasculopathy. <i>Transplantation</i> , 2013, 96, 139-145.  | 0.5 | 20        |
| 49 | Detecting the Humoral Alloimmune Response. <i>Transplantation</i> , 2015, 99, 908-915.  | 0.5 | 20        |
| 50 | Beneficial Immune Effects of Myeloid-Related Proteins in Kidney Transplant Rejection. <i>American Journal of Transplantation</i> , 2016, 16, 1441-1455.   | 2.6 | 20        |
| 51 | Monitoring of indirect allorecognition: wishful thinking or solid data?. <i>Tissue Antigens</i> , 2008, 71, 1-15.   | 1.0 | 19        |
| 52 | Visualizing Dynamic Changes at the Maternal-Fetal Interface Throughout Human Pregnancy by Mass Cytometry. <i>Frontiers in Immunology</i> , 2020, 11, 571300.  | 2.2 | 19        |
| 53 | A Comprehensive Evaluation of the Antibody-Verified Status of Eplets Listed in the HLA Epitope Registry. <i>Frontiers in Immunology</i> , 2021, 12, 800946.   | 2.2 | 18        |
| 54 | Pretransplant Serum CXCL9 and CXCL10 Levels Fail to Predict Acute Rejection in Kidney Transplant Recipients Receiving Induction Therapy. <i>Transplantation</i> , 2011, 91, e59-e61.  | 0.5 | 17        |

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|----|---|-----|-----------|
| 55 | Transplantation in highly sensitized patients: challenges and recommendations. Expert Review of Clinical Immunology, 2018, 14, 673-679.   | 1.3 | 17        |
| 56 | Increased HLA-G Expression in Term Placenta of Women with a History of Recurrent Miscarriage Despite Their Genetic Predisposition to Decreased HLA-G Levels. International Journal of Molecular Sciences, 2019, 20, 625.          | 1.8 | 17        |
| 57 | A paired kidney analysis on the impact of pre-transplant anti-HLA antibodies on graft survival. Nephrology Dialysis Transplantation, 2019, 34, 1056-1063.   | 0.4 | 17        |
| 58 | Fc galactosylation of anti-platelet human IgG1 alloantibodies enhances complement activation on platelets. Haematologica, 2022, 107, 2432-2444.   | 1.7 | 17        |
| 59 | What is wrong with the regulatory T cells and foetomaternal tolerance in women with recurrent miscarriages?. Hla, 2016, 87, 69-78.  | 0.4 | 16        |
| 60 | A Europe wide acceptable mismatch program will enable transplantation of long waiting highly sensitised patients with a compatible donor. Transplant Immunology, 2021, 64, 101354.  | 0.6 | 16        |
| 61 | How can we reduce costs of solid-phase multiplex bead assays used to determine anti-HLA antibodies?. Hla, 2016, 88, 110-119.  | 0.4 | 15        |
| 62 | How the definition of acceptable antigens and epitope analysis can facilitate transplantation of highly sensitized patients with excellent long-term graft survival. Current Opinion in Organ Transplantation, 2018, 23, 493-499. | 0.8 | 15        |
| 63 | The development of preeclampsia in oocyte donation pregnancies is related to the number of fetal-maternal HLA class II mismatches. Journal of Reproductive Immunology, 2020, 137, 103074.   | 0.8 | 14        |
| 64 | Implementation of molecular matching in transplantation requires further characterization of both immunogenicity and antigenicity of individual HLA epitopes. Human Immunology, 2022, 83, 256-263.                                | 1.2 | 14        |
| 65 | T-cell alloreactivity and transplantation outcome. Current Opinion in Organ Transplantation, 2015, 20, 454-460.   | 0.8 | 13        |
| 66 | Technical challenges and clinical relevance of single antigen bead C1q/C3d testing and IgG subclass analysis of human leukocyte antigen antibodies. Transplant International, 2018, 31, 1189-1197.                                | 0.8 | 13        |
| 67 | Soluble HLA-G levels in seminal plasma are associated with HLA-G 3'UTR genotypes and haplotypes. Hla, 2019, 94, 339-346.  | 0.4 | 13        |
| 68 | Towards the identification of the relative immunogenicity of individual HLA antibody epitopes. Human Immunology, 2019, 80, 218-220.   | 1.2 | 13        |
| 69 | HLA-specific memory B-cell detection in kidney transplantation: Insights and future challenges. International Journal of Immunogenetics, 2020, 47, 227-234.   | 0.8 | 13        |
| 70 | Recombinant human monoclonal HLA antibodies of different IgG subclasses recognising the same epitope: Excellent tools to study differential effects of donor-specific antibodies. Hla, 2019, 94, 415-424.                         | 0.4 | 11        |
| 71 | Pre-existing Alloreactive T and B Cells and Their Possible Relevance for Pre-transplant Risk Estimation in Kidney Transplant Recipients. Frontiers in Medicine, 2020, 7, 340.   | 1.2 | 11        |
| 72 | Not all HLA epitope mismatches are equal. Kidney International, 2020, 97, 653-655.  | 2.6 | 11        |

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|----|--|-----|-----------|
| 73 | Alemtuzumab Induction and Delayed Acute Rejection in Steroid-Free Simultaneous Pancreas-Kidney Transplant Recipients. <i>Transplantation Direct</i> , 2017, 3, e124.   | 0.8 | 10        |
| 74 | Presence of intragraft B cells during acute renal allograft rejection is accompanied by changes in peripheral blood B cell subsets. <i>Clinical and Experimental Immunology</i> , 2019, 196, 403-414.                  | 1.1 | 10        |
| 75 | Epitope-Based HLA Matching. <i>Transplantation</i> , 2017, 101, 1744-1745.   | 0.5 | 9         |
| 76 | No Evidence for Cross-reactivity of Virus-specific Antibodies With HLA Alloantigens. <i>Transplantation</i> , 2018, 102, 1844-1849.  | 0.5 | 9         |
| 77 | The number of FoxP3 regulatory T cells in the circulation may be a predictive biomarker for kidney transplant recipients: A multistage systematic review. <i>International Immunopharmacology</i> , 2018, 65, 483-492. | 1.7 | 9         |
| 78 | Virtual crossmatching for deceased donor transplantation becomes reality. <i>Kidney International</i> , 2020, 97, 657-659.   | 2.6 | 9         |
| 79 | Principles of Virtual Crossmatch Testing for Kidney Transplantation. <i>Kidney International Reports</i> , 2022, 7, 1179-1188.   | 0.4 | 9         |
| 80 | Chimeric Antigen Receptor (CAR) Regulatory T-Cells in Solid Organ Transplantation. <i>Frontiers in Immunology</i> , 2022, 13, .  | 2.2 | 9         |
| 81 | T-Cell Epitopes Shared Between Immunizing HLA and Donor HLA Associate With Graft Failure After Kidney Transplantation. <i>Frontiers in Immunology</i> , 2021, 12, 784040.  | 2.2 | 8         |
| 82 | HLA-DQ-Specific Recombinant Human Monoclonal Antibodies Allow for In-Depth Analysis of HLA-DQ Epitopes. <i>Frontiers in Immunology</i> , 2021, 12, 761893.   | 2.2 | 8         |
| 83 | Effect of initial immunosuppression on long-term kidney transplant outcome in immunological low-risk patients. <i>Nephrology Dialysis Transplantation</i> , 2019, 34, 1417-1422.                                       | 0.4 | 7         |
| 84 | Reciprocal HLA-DR allogenicity between mother and child affects pregnancy outcome parameters. <i>Journal of Reproductive Immunology</i> , 2019, 133, 15-17.  | 0.8 | 6         |
| 85 | Standard reference sequences for submission of <scp>HLA</scp> genotyping for the 18th International HLA and Immunogenetics Workshop. <i>Hla</i> , 2021, 97, 512-519.   | 0.4 | 6         |
| 86 | A Combined microRNA and Chemokine Profile in Urine to Identify Rejection After Kidney Transplantation. <i>Transplantation Direct</i> , 2021, 7, e711.  | 0.8 | 6         |
| 87 | Comparison of different luminex single antigen bead kits for memory B cell-derived <scp>HLA</scp> antibody detection. <i>Hla</i> , 2021, 98, 200-206.  | 0.4 | 6         |
| 88 | Heterologous Immunity of Virus-Specific T Cells Leading to Alloreactivity: Possible Implications for Solid Organ Transplantation. <i>Viruses</i> , 2021, 13, 2359.   | 1.5 | 6         |
| 89 | Got your mother in a whirl: The role of maternal T cells and myeloid cells in pregnancy. <i>Hla</i> , 2020, 96, 561-579.   | 0.4 | 5         |
| 90 | Bortezomib affects the function of human B cells: possible implications for desensitization protocols. <i>Clinical Transplants</i> , 2009, , 387-92.   | 0.2 | 5         |

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|-----|--|-----|-----------|
| 91  | B-cell activating factor and IL-21 levels predict treatment response in autoimmune hepatitis. JHEP Reports, 2022, 4, 100460.   | 2.6 | 5         |
| 92  | Minimal data reporting standards for serological testing for histocompatibility. Human Immunology, 2018, 79, 865-868.  | 1.2 | 4         |
| 93  | Effect of seminal plasma on dendritic cell differentiation in vitro depends on the serum source in the culture medium. Journal of Reproductive Immunology, 2020, 137, 103076.  | 0.8 | 4         |
| 94  | Low incidence of IgA isotype of HLA antibodies in alloantigen exposed individuals. Hla, 2021, 97, 101-111.   | 0.4 | 4         |
| 95  | Immunogenetics and immunology of transplantation in Leiden. Transplant Immunology, 2014, 31, 195-199.  | 0.6 | 3         |
| 96  | Evaluating the role of paternal factors in aetiology and prognosis of recurrent pregnancy loss: study protocol for a hospital-based multicentre caseâ€control study and cohort study (REMI III project). BMJ Open, 2019, 9, e033095.             | 0.8 | 3         |
| 97  | A new strategy for systematically classifying <scp>HLA</scp> alleles into serological specificities. Hla, 2022, 100, 193-231.  | 0.4 | 3         |
| 98  | Relating the number of human leucocytes antigen mismatches to pregnancy complications in oocyte donation pregnancies: study protocol for a prospective multicentre cohort study (DONOR study). BMJ Open, 2019, 9, e027469.                       | 0.8 | 2         |
| 99  | B Cell Repopulation after Alemtuzumab Treatment in Kidney Transplant Recipients - Transient Increase in Transitional B Cells and Long Term Dominance of NaÃve B Cells. Transplantation, 2012, 94, 2.   | 0.5 | 1         |
| 100 | OR41 PIRCHE-II: A novel tool to identify permissible HLA mismatches in kidney transplantation. Human Immunology, 2017, 78, 39.   | 1.2 | 1         |
| 101 | A Novel Tool to Define the Immunogenicity of HLA Mismatches. Transplantation, 2018, 102, S157.   | 0.5 | 1         |
| 102 | Data on a new biomarker for kidney transplant recipients: The number of FoxP3 regulatory T cells in the circulation. Data in Brief, 2018, 21, 2567-2575.   | 0.5 | 1         |
| 103 | Two Human Monoclonal HLA-Reactive Antibodies Cross-React with Mamu-B*008, a Rhesus Macaque MHC Allotype Associated with Control of Simian Immunodeficiency Virus Replication. Journal of Immunology, 2021, 206, 1957-1965.                       | 0.4 | 1         |
| 104 | Innate-like B Cells: Local Drivers of Non-HLA Immunity in Rejecting Kidney Allografts?. Transplantation, 2022, 106, 234-235.   | 0.5 | 1         |
| 105 | Novel strategies for immunological monitoring of kidney transplant recipients: from microRNA to alloantibodies. Clinical Transplants, 2013, , 257-67.  | 0.2 | 1         |
| 106 | Improve in-depth immunological risk assessment to optimize genetic-compatibility and clinical outcomes in child and adolescent recipients of parental donor kidney transplants: protocol for the INCEPTION study. BMC Nephrology, 2021, 22, 416. | 0.8 | 1         |
| 107 | 24-P. Human Immunology, 2006, 67, S74.   | 1.2 | 0         |
| 108 | 19-OR: The effects of immunosuppressive drugs on in vitro stimulated B cells. Human Immunology, 2007, 68, S110.  | 1.2 | 0         |

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|-----|--|-----|-----------|
| 109 | 124-P: The effects of immunosuppressive drugs on T cell dependent B cell cultures. Human Immunology, 2009, 70, S74.  | 1.2 | 0         |
| 110 | A Novel ELISPOT Assay to Quantify HLA-Specific B Cells in HLA-Immunized Individuals. Transplantation, 2012, 94, 354.   | 0.5 | 0         |
| 111 | Preventing Memory B Cell Formation. Transplantation, 2016, 100, 1605-1606.   | 0.5 | 0         |
| 112 | Visualizing the players of the maternal immune response at the maternal-fetal interface by high-dimensional mass cytometry. Placenta, 2017, 57, 244-245.         | 0.7 | 0         |
| 113 | Single antigen testing to reduce early antibody-mediated rejection risk in female recipients of a spousal donor kidney. Transplant Immunology, 2021, 67, 101407. | 0.6 | 0         |