Minnie M Sarwal

List of Publications by Year
in descending order

107 papers	14,128 citations	109264 35 h-index	28275 105 g-index
118 all docs	118 docs citations	118 times ranked	26498 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	4.3	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	4.3	3,122
3	Calcineurin Inhibitor Nephrotoxicity. Clinical Journal of the American Society of Nephrology: CJASN, 2009, 4, 481-508.	2.2	1,178
4	Molecular Heterogeneity in Acute Renal Allograft Rejection Identified by DNA Microarray Profiling. New England Journal of Medicine, 2003, 349, 125-138.	13.9	673
5	Cell type–specific gene expression differences in complex tissues. Nature Methods, 2010, 7, 287-289.	9.0	460
6	Identification of a peripheral blood transcriptional biomarker panel associated with operational renal allograft tolerance. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 15448-15453.	3.3	332
7	Continued superior outcomes with modification and lengthened follow-up of a steroid-avoidance pilot with extended daclizumab induction in pediatric renal transplantation1. Transplantation, 2003, 76, 1331-1339.	0.5	213
8	A common rejection module (CRM) for acute rejection across multiple organs identifies novel therapeutics for organ transplantation. Journal of Experimental Medicine, 2013, 210, 2205-2221.	4.2	201
9	A circulating antibody panel for pretransplant prediction of FSGS recurrence after kidney transplantation. Science Translational Medicine, 2014, 6, 256ra136.	5.8	172
10	The kSORT Assay to Detect Renal Transplant Patients at High Risk for Acute Rejection: Results of the Multicenter AART Study. PLoS Medicine, 2014, 11, e1001759.	3.9	153
11	Optimizing Detection of Kidney Transplant Injury by Assessment of Donor-Derived Cell-Free DNA via Massively Multiplex PCR. Journal of Clinical Medicine, 2019, 8, 19.	1.0	131
12	Integrative Urinary Peptidomics in Renal Transplantation Identifies Biomarkers for Acute Rejection. Journal of the American Society of Nephrology: JASN, 2010, 21, 646-653.	3.0	122
13	Expression of Complement Components Differs Between Kidney Allografts from Living and Deceased Donors. Journal of the American Society of Nephrology: JASN, 2009, 20, 1839-1851.	3.0	121
14	Endothelial Cell Antibodies Associated with Novel Targets and Increased Rejection. Journal of the American Society of Nephrology: JASN, 2015, 26, 1161-1171.	3.0	109
15	A Rapid Noninvasive Assay for the Detection of Renal Transplant Injury. Transplantation, 2013, 96, 97-101.	0.5	106
16	Shotgun proteomics identifies proteins specific for acute renal transplant rejection. Proteomics - Clinical Applications, 2010, 4, 32-47.	0.8	105
17	Progressive histological damage in renal allografts is associated with expression of innate and adaptive immunity genes. Kidney International, 2011, 80, 1364-1376.	2.6	96
18	Non-HLA Antibodies to Immunogenic Epitopes Predict the Evolution of Chronic Renal Allograft Injury. Journal of the American Society of Nephrology: JASN, 2012, 23, 750-763.	3.0	87

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19	Mining the human urine proteome for monitoring renal transplant injury. Kidney International, 2016, 89, 1244-1252.	2.6	80
20	The Identification of Novel Potential Injury Mechanisms and Candidate Biomarkers in Renal Allograft Rejection by Quantitative Proteomics. Molecular and Cellular Proteomics, 2014, 13, 621-631.	2.5	73
21	Differentially Expressed RNA from Public Microarray Data Identifies Serum Protein Biomarkers for Cross-Organ Transplant Rejection and Other Conditions. PLoS Computational Biology, 2010, 6, e1000940.	1.5	72
22	Biomarkers in solid organ transplantation: establishing personalized transplantation medicine. Genome Medicine, 2011, 3, 37.	3.6	71
23	A reference tissue atlas for the human kidney. Science Advances, 2022, 8, .	4.7	67
24	Transplant genetics and genomics. Nature Reviews Genetics, 2017, 18, 309-326.	7.7	60
25	The Clinical Impact of Humoral Immunity in Pediatric Renal Transplantation. Journal of the American Society of Nephrology: JASN, 2013, 24, 655-664.	3.0	56
26	Novel Non-Histocompatibility Antigen Mismatched Variants Improve the Ability to Predict Antibody-Mediated Rejection Risk in Kidney Transplant. Frontiers in Immunology, 2017, 8, 1687.	2.2	52
27	The yin and yang of B cells in graft rejection and tolerance. Transplantation Reviews, 2010, 24, 67-78.	1.2	51
28	A urine score for noninvasive accurate diagnosis and prediction of kidney transplant rejection. Science Translational Medicine, 2020, 12, .	5.8	48
29	The proteogenomic path towards biomarker discovery. Pediatric Transplantation, 2008, 12, 737-747.	0.5	47
30	A Three-Gene Assay for Monitoring Immune Quiescence in Kidney Transplantation. Journal of the American Society of Nephrology: JASN, 2015, 26, 2042-2053.	3.0	45
31	Interference of globin genes with biomarker discovery for allograft rejection in peripheral blood samples. Physiological Genomics, 2008, 32, 190-197.	1.0	43
32	Perturbations in the Urinary Exosome in Transplant Rejection. Frontiers in Medicine, 2014, 1, 57.	1.2	43
33	Molecular and Functional Noninvasive Immune Monitoring in the ESCAPE Study for Prediction of Subclinical Renal Allograft Rejection. Transplantation, 2017, 101, 1400-1409.	0.5	43
34	Characterizing pre-transplant and post-transplant kidney rejection risk by B cell immune repertoire sequencing. Nature Communications, 2019, 10, 1906.	5.8	38
35	Efficacy and Safety of Thymoglobulin Induction as an Alternative Approach for Steroid-Free Maintenance Immunosuppression in Pediatric Renal Transplantation. Transplantation, 2010, 90, 1516-1520.	0.5	36
36	Advances in diagnostics for transplant rejection. Expert Review of Molecular Diagnostics, 2016, 16, 1121-1132.	1.5	36

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37	Phenotypic Evaluation of B-Cell Subsets After Rituximab for Treatment of Acute Renal Allograft Rejection in Pediatric Recipients. Transplantation, 2011, 91, 1010-1018.	0.5	35
38	Moving beyond HLA: A review of nHLA antibodies in organ transplantation. Human Immunology, 2013, 74, 1486-1490.	1.2	35
39	Optimization for peptide sample preparation for urine peptidomics. Clinical Proteomics, 2014, 11, 7.	1.1	33
40	Transcriptional Perturbations in Graft Rejection. Transplantation, 2015, 99, 1882-1893.	0.5	33
41	A Computational Gene Expression Score for Predicting Immune Injury in Renal Allografts. PLoS ONE, 2015, 10, e0138133.	1.1	33
42	Compartmental Localization and Clinical Relevance of MICA Antibodies After Renal Transplantation. Transplantation, 2010, 89, 312-319.	0.5	32
43	Immune response profiling identifies autoantibodies specific to Moyamoya patients. Orphanet Journal of Rare Diseases, 2013, 8, 45.	1.2	31
44	Optimizing protein recovery for urinary proteomics, a tool to monitor renal transplantation. Clinical Transplantation, 2008, 22, 617-623.	0.8	30
45	Profiling the proteome in renal transplantation. Proteomics - Clinical Applications, 2011, 5, 269-280.	0.8	30
46	Identification of Common Blood Gene Signatures for the Diagnosis of Renal and Cardiac Acute Allograft Rejection. PLoS ONE, 2013, 8, e82153.	1.1	29
47	A Novel Multi-Biomarker Assay for Non-Invasive Quantitative Monitoring of Kidney Injury. Journal of Clinical Medicine, 2019, 8, 499.	1.0	29
48	Deconvoluting the â€˜omicsâ€™ for organ transplantation. Current Opinion in Organ Transplantation, 2009, 14, 544-551.	0.8	28
49	Cell-Free DNA and CXCL10 Derived from Bronchoalveolar Lavage Predict Lung Transplant Survival. Journal of Clinical Medicine, 2019, 8, 241.	1.0	27
50	The common rejection module in chronic rejection post lung transplantation. PLoS ONE, 2018, 13, e0205107.	1.1	26
51	A Comprehensive Analysis of the Current Status and Unmet Needs in Kidney Transplantation in Southeast Asia. Frontiers in Medicine, 2017, 4, 84.	1.2	25
52	A urinary Common Rejection Module (uCRM) score for non-invasive kidney transplant monitoring. PLoS ONE, 2019, 14, e0220052.	1.1	25
53	Differential Immunogenicity and Clinical Relevance of Kidney Compartment Specific Antigens after Renal Transplantation. Journal of Proteome Research, 2010, 9, 6715-6721.	1.8	24
54	Recent advances in biomarker discovery in solid organ transplant by proteomics. Expert Review of Proteomics, 2011, 8, 705-715.	1.3	24

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55	Functional proteogenomics—Embracing complexity. Seminars in Immunology, 2011, 23, 235-251.	2.7	23
56	Sodium ferric gluconate therapy in renal transplant and renal failure patients. Pediatric Nephrology, 2000, 15, 171-175.	0.9	20
57	Protein and peptide biomarkers in organ transplantation. Biomarkers in Medicine, 2012, 6, 259-271.	0.6	20
58	Fingerprints of transplant tolerance suggest opportunities for immunosuppression minimization. Clinical Biochemistry, 2016, 49, 404-410.	0.8	20
59	Targeted Transcriptional Profiling of Kidney Transplant Biopsies. Kidney International Reports, 2018, 3, 722-731.	0.4	20
60	Assessment of 19 Genes and Validation of CRM Gene Panel for Quantitative Transcriptional Analysis of Molecular Rejection and Inflammation in Archival Kidney Transplant Biopsies. Frontiers in Medicine, 2019, 6, 213.	1.2	20
61	Clinical and Analytical Validation of a Novel Urine-Based Test for the Detection of Allograft Rejection in Renal Transplant Patients. Journal of Clinical Medicine, 2020, 9, 2325.	1.0	18
62	A Comprehensive Urine Proteome Database Generated From Patients With Various Renal Conditions and Prostate Cancer. Frontiers in Medicine, 2021, 8, 548212.	1.2	18
63	Standardizing resistive indices in healthy pediatric transplant recipients of adult-sized kidneys. Pediatric Transplantation, 2010, 14, 126-131.	0.5	16
64	Avoidance of CNI and steroids using belatacept—Results of the Clinical Trials in Organ Transplantation 16 trial. American Journal of Transplantation, 2020, 20, 3599-3608.	2.6	16
65	Transplantomics. Transplantation, 2017, 101, 1777-1782.	0.5	16
66	Unraveling the Role of Allo-Antibodies and Transplant Injury. Frontiers in Immunology, 2016, 7, 432.	2.2	15
67	A Modified Injector and Sample Acquisition Protocol Can Improve Data Quality and Reduce Inter‐Instrument Variability of the Helios Mass Cytometer. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2019, 95, 1019-1030.	1.1	15
68	Targeted Urine Metabolomics for Monitoring Renal Allograft Injury and Immunosuppression in Pediatric Patients. Journal of Clinical Medicine, 2020, 9, 2341.	1.0	15
69	Peripheral Blood RNA Sequencing Unravels a Differential Signature of Coding and Noncoding Genes by Types of Kidney Allograft Rejection. Kidney International Reports, 2020, 5, 1706-1721.	0.4	15
70	Mass cytometry reveals single-cell kinetics of cytotoxic lymphocyte evolution in CMV-infected renal transplant patients. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	15
71	Further Evidence That the Soluble Urokinase Plasminogen Activator Receptor Does Not Directly Injure Mice or Human Podocytes. Transplantation, 2020, 104, 54-60.	0.5	13
72	The pits and pearls in translating operational tolerance biomarkers into clinical practice. Current Opinion in Organ Transplantation, 2012, 17, 655-662.	0.8	12

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73	Urinary Virome Perturbations in Kidney Transplantation. Frontiers in Medicine, 2018, 5, 72.	1.2	12
74	Near-Single-Cell Proteomics Profiling of the Proximal Tubular and Glomerulus of the Normal Human Kidney. Frontiers in Medicine, 2020, 7, 499.	1.2	12
75	Profiling of Autoantibodies in IgA Nephropathy, an Integrative Antibiomics Approach. Clinical Journal of the American Society of Nephrology: CJASN, 2011, 6, 2775-2784.	2.2	11
76	Computational Models for Transplant Biomarker Discovery. Frontiers in Immunology, 2015, 6, 458.	2.2	11
77	Retrospective evaluation of the efficacy and safety of belatacept with thymoglobulin induction and maintenance everolimus: A singleâ€center clinical experience. Clinical Transplantation, 2017, 31, e13042.	0.8	11
78	Impact of Sarcopenia on Simultaneous Pancreas and Kidney Transplantation Outcomes: A Retrospective Observational Cohort Study. Transplantation Direct, 2020, 6, e610.	0.8	11
79	Circulating CD40 autoantibody and suPAR synergy drives glomerular injury. Annals of Translational Medicine, 2015, 3, 300.	0.7	11
80	Antibody-Mediated Rejection in Pediatric Kidney Transplantation: Pathophysiology, Diagnosis, and Management. Drugs, 2015, 75, 455-472.	4.9	10
81	Molecular Diversity of Clinically Stable Human Kidney Allografts. JAMA Network Open, 2021, 4, e2035048.	2.8	10
82	Assessment of Circulating Protein Signatures for Kidney Transplantation in Pediatric Recipients. Frontiers in Medicine, 2017, 4, 80.	1.2	9
83	FcER1: A Novel Molecule Implicated in the Progression of Human Diabetic Kidney Disease. Frontiers in Immunology, 2021, 12, 769972.	2.2	9
84	Acute Renal Failure Management in the Neonate. NeoReviews, 2005, 6, e369-e376.	0.4	8
85	Self-antigens and rejection. Current Opinion in Organ Transplantation, 2016, 21, 362-367.	0.8	8
86	Protein biomarkers in renal transplantation. Expert Review of Proteomics, 2018, 15, 41-54.	1.3	8
87	Noninvasive Urinary Monitoring of Progression in IgA Nephropathy. International Journal of Molecular Sciences, 2019, 20, 4463.	1.8	8
88	Monitoring Calcineurin Inhibitor Therapy: Localizing the Moving Target. Transplantation, 2010, 89, 1308-1309.	0.5	7
89	Expression of Mitochondrial-Encoded Genes in Blood Differentiate Acute Renal Allograft Rejection. Frontiers in Medicine, 2017, 4, 185.	1.2	7
90	Relationship between antithymocyte globulin, T cell phenotypes, and clinical outcomes in pediatric kidney transplantation. American Journal of Transplantation, 2021, 21, 766-775.	2.6	7

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91	Multiplexed droplet single-cell sequencing (Mux-Seq) of normal and transplant kidney. American Journal of Transplantation, 2022, 22, 876-885.	2.6	7
92	Urinary Biomarkers for Kidney Allograft Injury. Transplantation, 2022, 106, 1330-1338.	0.5	7
93	Non–radiological assessment of kidney stones using the kidney injury test (KIT), a spot urine assay. BJU International, 2020, 125, 732-738.	1.3	6
94	Long-term follow-up of beta cell replacement therapy in 10 HIV-infected patients with renal failure secondary to type 1 diabetes mellitus. American Journal of Transplantation, 2020, 20, 2091-2100.	2.6	6
95	Single-Cell RNA Sequencing of Tocilizumab-Treated Peripheral Blood Mononuclear Cells as an in vitro Model of Inflammation. Frontiers in Genetics, 2020, 11, 610682.	1.1	6
96	Optimization for Peptide Sample Preparation for Urine Peptidomics. Methods in Molecular Biology, 2017, 1788, 63-72.	0.4	5
97	Use of the Tissue Common Rejection Module Score in Kidney Transplant as an Objective Measure of Allograft Inflammation. Frontiers in Immunology, 2020, 11, 614343.	2.2	5
98	Mapping Novel Immunogenic Epitopes in IgA Nephropathy. Clinical Journal of the American Society of Nephrology: CJASN, 2015, 10, 372-381.	2.2	4
99	LC-SRM-Based Targeted Quantification of Urinary Protein Biomarkers. Methods in Molecular Biology, 2017, 1788, 145-156.	0.4	4
100	Mechanisms and biomarkers of immune quiescence in kidney transplantation. Human Immunology, 2018, 79, 356-361.	1.2	4
101	The Importance of Bringing Transplantation Tolerance to the Clinic. Transplantation, 2021, 105, 935-940.	0.5	3
102	Non-HLA Antibodies in Clinical Transplantation. Clinical Transplants, 2016, 32, 45-61.	0.2	3
103	Discovery of Immune Reactive Human Proteins by High-Density Protein Arrays and Customized Validation of Potential Biomarkers by ELISA. Methods in Molecular Biology, 2017, 1788, 11-21.	0.4	1
104	Immune Monitoring in Kidney Transplantation. , 2017, , 403-417.		0
105	A large staghorn stone diagnosed and managed in an asymptomatic patient using the "Kidney Injury Test (Kit)" spot urine assay: A case report. Urology Case Reports, 2021, 39, 101854.	0.1	0
106	Shotgun Proteomics Identifies Protein Biomarkers Specific for Acute Renal Transplant Rejection. FASEB Journal, 2009, 23, LB239.	0.2	0
107	Through the Looking Glass: Unraveling the Stage-Shift of Acute Rejection in Renal Allografts. Journal of Clinical Medicine, 2022, 11, 910.	1.0	0