

# Ali Naji

## List of Publications by Year in descending order

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Version: 2024-02-01

92  
papers

9,189  
citations

61984

43  
h-index

46799

89  
g-index

97  
all docs

97  
docs citations

97  
times ranked

13942  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thymic selection of CD4+CD25+ regulatory T cells induced by an agonist self-peptide. <i>Nature Immunology</i> , 2001, 2, 301-306.	14.5	1,486
2	A Human Pluripotent Stem Cell-based Platform to Study SARS-CoV-2 Tropism and Model Virus Infection in Human Cells and Organoids. <i>Cell Stem Cell</i> , 2020, 27, 125-136.e7.	11.1	543
3	Phase 3 Trial of Transplantation of Human Islets in Type 1 Diabetes Complicated by Severe Hypoglycemia. <i>Diabetes Care</i> , 2016, 39, 1230-1240.	8.6	498
4	Regulation of pancreatic $\beta$ -cell growth and survival by the serine/threonine protein kinase Akt1/PKB $\beta$ . <i>Nature Medicine</i> , 2001, 7, 1133-1137.	30.7	471
5	Discovery of 318 new risk loci for type 2 diabetes and related vascular outcomes among 1.4 million participants in a multi-ancestry meta-analysis. <i>Nature Genetics</i> , 2020, 52, 680-691.	21.4	445
6	Epigenomic plasticity enables human pancreatic $\beta$ to $\beta$ cell reprogramming. <i>Journal of Clinical Investigation</i> , 2013, 123, 1275-1284.	8.2	365
7	Single-Cell Transcriptomics of the Human Endocrine Pancreas. <i>Diabetes</i> , 2016, 65, 3028-3038.	0.6	346
8	Structural and Functional Abnormalities in the Islets Isolated From Type 2 Diabetic Subjects. <i>Diabetes</i> , 2004, 53, 624-632.	0.6	317
9	Epigenetic Regulation of the DLK1-MEG3 MicroRNA Cluster in Human Type 2 Diabetic Islets. <i>Cell Metabolism</i> , 2014, 19, 135-145.	16.2	304
10	Antigen presenting function of class II MHC expressing pancreatic beta cells. <i>Nature</i> , 1988, 336, 476-479.	27.8	242
11	Integration of ATAC-seq and RNA-seq identifies human alpha cell and beta cell signature genes. <i>Molecular Metabolism</i> , 2016, 5, 233-244.	6.5	233
12	Analysis of self-antigen specificity of islet-infiltrating T cells from human donors with type 1 diabetes. <i>Nature Medicine</i> , 2016, 22, 1482-1487.	30.7	232
13	Twelve-Month Outcomes After Transplant of Hepatitis C-Infected Kidneys Into Uninfected Recipients. <i>Annals of Internal Medicine</i> , 2018, 169, 273-281.	3.9	193
14	Multiplexed In Situ Imaging Mass Cytometry Analysis of the Human Endocrine Pancreas and Immune System in Type 1 Diabetes. <i>Cell Metabolism</i> , 2019, 29, 769-783.e4.	16.2	151
15	The Transcription Factor T-bet Resolves Memory B Cell Subsets with Distinct Tissue Distributions and Antibody Specificities in Mice and Humans. <i>Immunity</i> , 2020, 52, 842-855.e6.	14.3	144
16	National Institutes of Health-Sponsored Clinical Islet Transplantation Consortium Phase 3 Trial: Manufacture of a Complex Cellular Product at Eight Processing Facilities. <i>Diabetes</i> , 2016, 65, 3418-3428.	0.6	143
17	B lymphocyte-directed immunotherapy promotes long-term islet allograft survival in nonhuman primates. <i>Nature Medicine</i> , 2007, 13, 1295-1298.	30.7	141
18	Tissue-specific exosome biomarkers for noninvasively monitoring immunologic rejection of transplanted tissue. <i>Journal of Clinical Investigation</i> , 2017, 127, 1375-1391.	8.2	128

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19	Single-Cell Mass Cytometry Analysis of the Human Endocrine Pancreas. <i>Cell Metabolism</i> , 2016, 24, 616-626.	16.2	126
20	SARS-CoV-2 infection induces beta cell transdifferentiation. <i>Cell Metabolism</i> , 2021, 33, 1577-1591.e7.	16.2	123
21	Identification and characterization of HIV-specific resident memory CD8 <sup>+</sup> T cells in human lymphoid tissue. <i>Science Immunology</i> , 2018, 3, .	11.9	116
22	T follicular helper cells in human efferent lymph retain lymphoid characteristics. <i>Journal of Clinical Investigation</i> , 2019, 129, 3185-3200.	8.2	116
23	Germinal center responses to SARS-CoV-2 mRNA vaccines in healthy and immunocompromised individuals. <i>Cell</i> , 2022, 185, 1008-1024.e15.	28.9	101
24	Regulation of Glucagon Secretion in Normal and Diabetic Human Islets by $\beta$ -Hydroxybutyrate and Glycine. <i>Journal of Biological Chemistry</i> , 2013, 288, 3938-3951.	3.4	86
25	Elite control of HIV is associated with distinct functional and transcriptional signatures in lymphoid tissue CD8 <sup>+</sup> T cells. <i>Science Translational Medicine</i> , 2019, 11, .	12.4	81
26	HIV-Specific CD8 <sup>+</sup> T Cells Exhibit Reduced and Differentially Regulated Cytolytic Activity in Lymphoid Tissue. <i>Cell Reports</i> , 2017, 21, 3458-3470.	6.4	77
27	Report of the Key Opinion Leaders Meeting on Stem Cell-derived Beta Cells. <i>Transplantation</i> , 2018, 102, 1223-1229.	1.0	72
28	Glutamine Enhancement of Structure and Function in Transplanted Small Intestine in the Rat. <i>Journal of Parenteral and Enteral Nutrition</i> , 1993, 17, 47-55.	2.6	71
29	NIH Initiative to Improve Understanding of the Pancreas, Islet, and Autoimmunity in Type 1 Diabetes: The Human Pancreas Analysis Program (HPAP). <i>Diabetes</i> , 2019, 68, 1394-1402.	0.6	69
30	A nanofibrous encapsulation device for safe delivery of insulin-producing cells to treat type 1 diabetes. <i>Science Translational Medicine</i> , 2021, 13, .	12.4	68
31	Perturbed CD8 <sup>+</sup> T cell TIGIT/CD226/PVR axis despite early initiation of antiretroviral treatment in HIV infected individuals. <i>Scientific Reports</i> , 2017, 7, 40354.	3.3	65
32	Islet transplantation in the subcutaneous space achieves long-term euglycaemia in preclinical models of type 1 diabetes. <i>Nature Metabolism</i> , 2020, 2, 1013-1020.	11.9	64
33	Phase 3 trial of human islet-after-kidney transplantation in type 1 diabetes. <i>American Journal of Transplantation</i> , 2021, 21, 1477-1492.	4.7	64
34	Single-cell transcriptomics of human islet ontogeny defines the molecular basis of $\beta$ -cell dedifferentiation in T2D. <i>Molecular Metabolism</i> , 2020, 42, 101057.	6.5	63
35	RS rearrangement frequency as a marker of receptor editing in lupus and type 1 diabetes. <i>Journal of Experimental Medicine</i> , 2008, 205, 2985-2994.	8.5	61
36	Bisphosphonate Induces Osteonecrosis of the Jaw in Diabetic Mice via NLRP3/Caspase-1-Dependent IL-1 $\beta$ Mechanism. <i>Journal of Bone and Mineral Research</i> , 2015, 30, 2300-2312.	2.8	59

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37	The Identity of Human Tissue-Emigrant CD8+ T Cells. <i>Cell</i> , 2020, 183, 1946-1961.e15.	28.9	58
38	Hepatosplenic gamma-delta T-Cell Lymphoma as a Late-Onset Posttransplant Lymphoproliferative Disorder in Renal Transplant Recipients. <i>American Journal of Clinical Pathology</i> , 2000, 113, 487-496.	0.7	56
39	Restoration of Glucose Counterregulation by Islet Transplantation in Long-standing Type 1 Diabetes. <i>Diabetes</i> , 2015, 64, 1713-1718.	0.6	55
40	Targeting the cell cycle inhibitor p57Kip2 promotes adult human $\beta^2$ cell replication. <i>Journal of Clinical Investigation</i> , 2014, 124, 670-674.	8.2	53
41	Sel1L-Hrd1 ER-associated degradation maintains $\beta^2$ cell identity via TGF- $\beta^2$ signaling. <i>Journal of Clinical Investigation</i> , 2020, 130, 3499-3510.	8.2	52
42	Single-cell multi-omics analysis of human pancreatic islets reveals novel cellular states in type 1 diabetes. <i>Nature Metabolism</i> , 2022, 4, 284-299.	11.9	52
43	TGF- $\beta^2$ 1 promotes acinar to ductal metaplasia of human pancreatic acinar cells. <i>Scientific Reports</i> , 2016, 6, 30904.	3.3	51
44	Discovery of a drug candidate for GLIS3-associated diabetes. <i>Nature Communications</i> , 2018, 9, 2681.	12.8	48
45	Toll-like receptors TLR2 and TLR4 block the replication of pancreatic $\beta^2$ cells in diet-induced obesity. <i>Nature Immunology</i> , 2019, 20, 677-686.	14.5	48
46	Long-Term Improvement in Glucose Control and Counterregulation by Islet Transplantation for Type 1 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 101, 4421-4430.	3.6	46
47	Exome-wide evaluation of rare coding variants using electronic health records identifies new gene-phenotype associations. <i>Nature Medicine</i> , 2021, 27, 66-72.	30.7	44
48	Pancreas Transplantation in the Modern Era. <i>Gastroenterology Clinics of North America</i> , 2016, 45, 145-166.	2.2	43
49	Robust, 3-Dimensional Visualization of Human Colon Enteric Nervous System Without Tissue Sectioning. <i>Gastroenterology</i> , 2020, 158, 2221-2235.e5.	1.3	43
50	A Multicenter Study: North American Islet Donor Score in Donor Pancreas Selection for Human Islet Isolation for Transplantation. <i>Cell Transplantation</i> , 2016, 25, 1515-1523.	2.5	42
51	Genetic Variation in Type 1 Diabetes Reconfigures the 3D Chromatin Organization of T Cells and Alters Gene Expression. <i>Immunity</i> , 2020, 52, 257-274.e11.	14.3	42
52	Reversal of acute renal allograft rejection by extracorporeal photopheresis: A case presentation and review of the literature. <i>Journal of Clinical Apheresis</i> , 1996, 11, 36-41.	1.3	41
53	Functional and Metabolomic Consequences of KATP Channel Inactivation in Human Islets. <i>Diabetes</i> , 2017, 66, 1901-1913.	0.6	35
54	Donor tissue-specific exosome profiling enables noninvasive monitoring of acute rejection in mouse allogeneic heart transplantation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2018, 155, 2479-2489.	0.8	34

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55	Limited immune surveillance in lymphoid tissue by cytolytic CD4+ T cells during health and HIV disease. PLoS Pathogens, 2018, 14, e1006973.	4.7	30
56	Noninvasive diagnosis of recurrent autoimmune type 1 diabetes after islet cell transplantation. American Journal of Transplantation, 2019, 19, 1852-1858.	4.7	27
57	Murine Islet Allograft Tolerance Upon Blockade of the B-Lymphocyte Stimulator, BLYS/BAFF. Transplantation, 2012, 93, 676-685.	1.0	26
58	Skin-derived TSLP systemically expands regulatory T cells. Journal of Autoimmunity, 2017, 79, 39-52.	6.5	26
59	Circulating B cells in type 1 diabetics exhibit fewer maturation-associated phenotypes. Clinical Immunology, 2017, 183, 336-343.	3.2	26
60	Menin and PRMT5 suppress GLP1 receptor transcript and PKA-mediated phosphorylation of FOXO1 and CREB. American Journal of Physiology - Endocrinology and Metabolism, 2017, 313, E148-E166.	3.5	24
61	Î± Cell dysfunction in islets from nondiabetic, glutamic acid decarboxylase autoantibodyâ€“positive individuals. Journal of Clinical Investigation, 2022, 132, .	8.2	24
62	Metabolic memory of Î±-cells controls insulin secretion and is mediated by CaMKIIa. Molecular Metabolism, 2014, 3, 484-489.	6.5	21
63	A PCR-based assay for the wild-type dystrophin gene transferred into mdx mouse. Muscle and Nerve, 1992, 15, 1133-1137.	2.2	18
64	Inhibition of cholinergic potentiation of insulin secretion from pancreatic islets by chronic elevation of glucose and fatty acids: Protection by casein kinase 2 inhibitor. Molecular Metabolism, 2017, 6, 1240-1253.	6.5	18
65	Kidney transplantation and donation in the transgender population: A single-institution case series. American Journal of Transplantation, 2020, 20, 2899-2904.	4.7	18
66	Mapping the Lineage Relationship between CXCR5+ and CXCR5âˆ’ CD4+ T Cells in HIV-Infected Human Lymph Nodes. Cell Reports, 2019, 28, 3047-3060.e7.	6.4	17
67	Urinary Prostaglandin Metabolites. Circulation Research, 2018, 122, 537-539.	4.5	16
68	TCR+/BCR+ dual-expressing cells and their associated public BCR clonotype are not enriched in type 1 diabetes. Cell, 2021, 184, 827-839.e14.	28.9	16
69	B-cell tolerance in transplantation: is repertoire remodeling the answer?. Expert Review of Clinical Immunology, 2009, 5, 703-723.	3.0	15
70	Accumulation of 3-hydroxytetradecenoic acid: Cause or corollary of glucolipotoxic impairment of pancreatic Î²-cell bioenergetics?. Molecular Metabolism, 2015, 4, 926-939.	6.5	15
71	SARS-CoV-2 Spike-Specific T-Cell Responses in Patients With B-Cell Depletion Who Received Chimeric Antigen Receptor T-Cell Treatments. JAMA Oncology, 2022, 8, 164.	7.1	15
72	Insulin sensitivity index in type 1 diabetes and following human islet transplantation: comparison of the minimal model to euglycemic clamp measures. American Journal of Physiology - Endocrinology and Metabolism, 2014, 306, E1217-E1224.	3.5	13

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73	Activation of GPR119 Stimulates Human $\beta$ -Cell Replication and Neogenesis in Humanized Mice with Functional Human Islets. <i>Journal of Diabetes Research</i> , 2016, 2016, 1-12.	2.3	13
74	Immunologic factors in pathogenesis and treatment of human and animal diabetes. <i>World Journal of Surgery</i> , 1984, 8, 214-220.	1.6	11
75	Novel therapeutic opportunities afforded by plasma cell biology in transplantation. <i>American Journal of Transplantation</i> , 2020, 20, 1984-1991.	4.7	10
76	Circulating Donor Lung-specific Exosome Profiles Enable Noninvasive Monitoring of Acute Rejection in a Rodent Orthotopic Lung Transplantation Model. <i>Transplantation</i> , 2022, 106, 754-766.	1.0	10
77	Detection of lung transplant rejection in a rat model using hyperpolarized [ $^{13}\text{C}$ ] pyruvate-based metabolic imaging. <i>NMR in Biomedicine</i> , 2019, 32, e4107.	2.8	8
78	Norovirus-Specific CD8 <sup>+</sup> T Cell Responses in Human Blood and Tissues. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2021, 11, 1267-1289.	4.5	8
79	Reciprocal Learning Between Military and Civilian Surgeons. <i>Annals of Surgery</i> , 2021, 274, e460-e464.	4.2	7
80	BLyS neutralization results in selective anti-HLA alloantibody depletion without successful desensitization. <i>Transplant Immunology</i> , 2021, 69, 101465.	1.2	7
81	Trafficking and persistence of alloantigen-specific chimeric antigen receptor regulatory T cells in Cynomolgus macaque. <i>Cell Reports Medicine</i> , 2022, 3, 100614.	6.5	7
82	Analysis of B cell subsets following pancreatic islet cell transplantation in a patient with type 1 diabetes by cytometric fingerprinting. <i>Journal of Immunological Methods</i> , 2011, 363, 233-244.	1.4	6
83	Interleukin 5 immunotherapy depletes alloreactive plasma cells. <i>Journal of Surgical Research</i> , 2014, 187, 310-315.	1.6	5
84	Menin-regulated Pdk controls high fat diet-induced compensatory beta cell proliferation. <i>EMBO Molecular Medicine</i> , 2021, 13, e13524.	6.9	5
85	Immunobiology of the allograft response. <i>Diabetes/metabolism Reviews</i> , 1987, 3, 1037-1059.	0.3	3
86	Gene Signatures of NEUROGENIN3 <sup>+</sup> Endocrine Progenitor Cells in the Human Pancreas. <i>Frontiers in Endocrinology</i> , 2021, 12, 736286.	3.5	3
87	Adoptive Immune Responses to Sars-Cov2 Vaccination in CART19 Treated Patients. <i>Blood</i> , 2021, 138, 1757-1757.	1.4	3
88	Safety and Feasibility of Outpatient Rabbit Antithymocyte Globulin Induction Therapy Administration in Kidney Transplant Recipients. <i>Pharmacotherapy</i> , 2018, 38, 620-627.	2.6	2
89	Use of Dietary Supplements in Living Kidney Donors: A Critical Review. <i>American Journal of Kidney Diseases</i> , 2020, 76, 851-860.	1.9	2
90	<p></p>Dietary Supplement Use in Live Kidney Donors and Recipients</p>. <i>Transplant Research and Risk Management</i> , 0, Volume 12, 9-14.	0.7	0

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91	Response to letters concerning: “Kidney transplantation and donation in the transgender population: A single-institution case series”. American Journal of Transplantation, 2020, 20, 3695-3696.	4.7	0
92	Ex-Vivo Repair of Complex Hilar Renal Artery Aneurysms and Auto-Transplantation of Solitary Kidney. Annals of Vascular Surgery, 2021, 74, 523.e9-523.e13.	0.9	0