Robert Jenq

List of Publications by Citations

104 papers	10,877 citations	38 h-index	104 g-index
113 ext. papers	14,391 ext. citations	13 avg, IF	5.7 L-index

#	Paper	IF	Citations
104	Gut microbiome modulates response to anti-PD-1 immunotherapy in melanoma patients. *Science*, **2018**, 359, 97-103	33.3	1895
103	Precision microbiome reconstitution restores bile acid mediated resistance to Clostridium difficile. *Nature*, **2015**, 517, 205-8	50.4	1064
102	Vancomycin-resistant Enterococcus domination of intestinal microbiota is enabled by antibiotic treatment in mice and precedes bloodstream invasion in humans. *Journal of Clinical Investigation*, **2010**, 120, 4332-41	15.9	577
101	Interleukin-22 promotes intestinal-stem-cell-mediated epithelial regeneration. *Nature*, **2015**, 528, 560-564	50.4	573
100	Intestinal domination and the risk of bacteremia in patients undergoing allogeneic hematopoietic stem cell transplantation. *Clinical Infectious Diseases*, **2012**, 55, 905-14	11.6	561
99	The effects of intestinal tract bacterial diversity on mortality following allogeneic hematopoietic stem cell transplantation. *Blood*, **2014**, 124, 1174-82	2.2	531
98	Regulation of intestinal inflammation by microbiota following allogeneic bone marrow transplantation. *Journal of Experimental Medicine*, **2012**, 209, 903-11	16.6	438
97	Intestinal Blautia Is Associated with Reduced Death from Graft-versus-Host Disease. *Biology of Blood and Marrow Transplantation*, **2015**, 21, 1373-83	4.7	415
96	Interleukin-22 protects intestinal stem cells from immune-mediated tissue damage and regulates sensitivity to graft versus host disease. *Immunity*, **2012**, 37, 339-50	32.3	414
95	Tumor Microbiome Diversity and Composition Influence Pancreatic Cancer Outcomes. *Cell*, **2019**, 178, 795-806.e12	56.2	389
94	Gut microbiome-derived metabolites modulate intestinal epithelial cell damage and mitigate graft-versus-host disease. *Nature Immunology*, **2016**, 17, 505-513	19.1	366
93	Fecal microbiota transplantation for refractory immune checkpoint inhibitor-associated colitis. *Nature Medicine*, **2018**, 24, 1804-1808	50.5	297
92	Increased GVHD-related mortality with broad-spectrum antibiotic use after allogeneic hematopoietic stem cell transplantation in human patients and mice. *Science Translational Medicine* , **2016**, 8, 339ra71	17.5	284
91	Interleukin-22 drives endogenous thymic regeneration in mice. *Science*, **2012**, 336, 91-5	33.3	275
90	Microbiota as Predictor of Mortality in Allogeneic Hematopoietic-Cell Transplantation. *New England Journal of Medicine*, **2020**, 382, 822-834	59.2	204
89	Allogeneic haematopoietic stem cell transplantation: individualized stem cell and immune therapy of cancer. *Nature Reviews Cancer*, **2010**, 10, 213-21	31.3	192
88	Reconstitution of the gut microbiota of antibiotic-treated patients by autologous fecal microbiota transplant. *Science Translational Medicine*, **2018**, 10,	17.5	170

87	Intestinal Microbiota and Relapse After Hematopoietic-Cell Transplantation. *Journal of Clinical Oncology*, **2017**, 35, 1650-1659	2.2	169
86	Donor CD19 CAR T cells exert potent graft-versus-lymphoma activity with diminished graft-versus-host activity. *Nature Medicine*, **2017**, 23, 242-249	50.5	135
85	Microbiota Disruption Induced by Early Use of Broad-Spectrum Antibiotics Is an Independent Risk Factor of Outcome after Allogeneic Stem Cell Transplantation. *Biology of Blood and Marrow Transplantation*, **2017**, 23, 845-852	4.7	133
84	Lactose drives expansion to promote graft-versus-host disease. *Science*, **2019**, 366, 1143-1149	33.3	106
83	Neoadjuvant nivolumab or nivolumab plus ipilimumab in operable non-small cell lung cancer: the phase 2 randomized NEOSTAR trial. *Nature Medicine*, **2021**, 27, 504-514	50.5	105
82	High day 28 ST2 levels predict for acute graft-versus-host disease and transplant-related mortality after cord blood transplantation. *Blood*, **2015**, 125, 199-205	2.2	91
81	Gut microbiota and tacrolimus dosing in kidney transplantation. *PLoS ONE*, **2015**, 10, e0122399	3.7	88
80	Relapse after allogeneic hematopoietic cell therapy. *Biology of Blood and Marrow Transplantation*, **2010**, 16, S138-45	4.7	79
79	Distinct steps in the adsorption of pulmonary surfactant to an air-liquid interface. *Biophysical Journal*, **2000**, 78, 257-66	2.9	79
78	RIG-I/MAVS and STING signaling promote gut integrity during irradiation- and immune-mediated tissue injury. *Science Translational Medicine*, **2017**, 9,	17.5	72
77	The Microbiome and Hematopoietic Cell Transplantation: Past, Present, and Future. *Biology of Blood and Marrow Transplantation*, **2018**, 24, 1322-1340	4.7	64
76	Early Clostridium difficile infection during allogeneic hematopoietic stem cell transplantation. *PLoS ONE*, **2014**, 9, e90158	3.7	60
75	Interleukin-22-mediated host glycosylation prevents Clostridioides difficile infection by modulating the metabolic activity of the gut microbiota. *Nature Medicine*, **2020**, 26, 608-617	50.5	58
74	The cytolytic molecules Fas ligand and TRAIL are required for murine thymic graft-versus-host disease. *Journal of Clinical Investigation*, **2010**, 120, 343-56	15.9	58
73	Gut microbiota signatures are associated with toxicity to combined CTLA-4 and PD-1 blockade. *Nature Medicine*, **2021**, 27, 1432-1441	50.5	57
72	Protective Factors in the Intestinal Microbiome Against Clostridium difficile Infection in Recipients of Allogeneic Hematopoietic Stem Cell Transplantation. *Journal of Infectious Diseases*, **2017**, 215, 1117-1123	7	56
71	Production of BMP4 by endothelial cells is crucial for endogenous thymic regeneration. *Science Immunology*, **2018**, 3,	28	53
70	Nutritional Support from the Intestinal Microbiota Improves Hematopoietic Reconstitution after Bone Marrow Transplantation in Mice. *Cell Host and Microbe*, **2018**, 23, 447-457.e4	23.4	53

69	Dietary fiber and probiotics influence the gut microbiome and melanoma immunotherapy response.. *Science*, **2021**, 374, 1632-1640	33.3	52
68	Intestinal microbiota-related effects on graft-versus-host disease. *International Journal of Hematology*, **2015**, 101, 428-37	2.3	42
67	Loss of thymic innate lymphoid cells leads to impaired thymopoiesis in experimental graft-versus-host disease. *Blood*, **2017**, 130, 933-942	2.2	39
66	Role of intestinal microbiota in transplantation outcomes. *Best Practice and Research in Clinical Haematology*, **2015**, 28, 155-61	4.2	38
65	Emerging Influence of the Intestinal Microbiota during Allogeneic Hematopoietic Cell Transplantation: Control the Gut and the Body Will Follow. *Biology of Blood and Marrow Transplantation*, **2015**, 21, 1360-6	4.7	34
64	Clinical Evidence for the Microbiome in Inflammatory Diseases. *Frontiers in Immunology*, **2017**, 8, 400	8.4	33
63	Lactobacillus rhamnosus GG probiotic enteric regimen does not appreciably alter the gut microbiome or provide protection against GVHD after allogeneic hematopoietic stem cell transplantation. *Clinical Transplantation*, **2017**, 31, e12947	3.8	32
62	Impact of antibiotic therapy on the development and response to treatment of immune checkpoint inhibitor-mediated diarrhea and colitis **2019**, 7, 242		31
61	Fecal Microbiota Transplantation: Restoring the Injured Microbiome after Allogeneic Hematopoietic Cell Transplantation. *Biology of Blood and Marrow Transplantation*, **2019**, 25, e17-e22	4.7	31
60	Role of gut flora after bone marrow transplantation. *Nature Microbiology*, **2016**, 1, 16036	26.6	28
59	MiRKAT-S: a community-level test of association between the microbiota and survival times. *Microbiome*, **2017**, 5, 17	16.6	27
58	Intensified Mycophenolate Mofetil Dosing and Higher Mycophenolic Acid Trough Levels Reduce Severe Acute Graft-versus-Host Disease after Double-Unit Cord Blood Transplantation. *Biology of Blood and Marrow Transplantation*, **2015**, 21, 920-5	4.7	26
57	Role of the intestinal mucosa in acute gastrointestinal GVHD. *Blood*, **2016**, 128, 2395-2402	2.2	26
56	Keratinocyte growth factor enhances DNA plasmid tumor vaccine responses after murine allogeneic bone marrow transplantation. *Blood*, **2009**, 113, 1574-80	2.2	22
55	Can Consideration of the Microbiome Improve Antimicrobial Utilization and Treatment Outcomes in the Oncology Patient?. *Clinical Cancer Research*, **2017**, 23, 3263-3268	12.9	21
54	Fecal Microbiome, Metabolites, and Stem Cell Transplant Outcomes: A Single-Center Pilot Study. *Open Forum Infectious Diseases*, **2019**, 6, ofz173	1	20
53	Suppression of luteinizing hormone enhances HSC recovery after hematopoietic injury. *Nature Medicine*, **2018**, 24, 239-246	50.5	20
52	Microbiome-intestine cross talk during acute graft-versus-host disease. *Blood*, **2020**, 136, 401-409	2.2	16

51	Role of the intestinal microbiome and microbial-derived metabolites in immune checkpoint blockade immunotherapy of cancer. *Genome Medicine*, **2021**, 13, 107	14.4	15
50	Fecal microbiota diversity disruption and clinical outcomes after auto-HCT: a multicenter observational study. *Blood*, **2021**, 137, 1527-1537	2.2	12
49	Refractory acute graft-versus-host disease: a new working definition beyond corticosteroid refractoriness. *Blood*, **2020**, 136, 1903-1906	2.2	11
48	The T Cell Cytolytic Molecules Fas Ligand and TRAIL, the Trafficking Molecules CCR9, 7 Integrin and PSGL-1, and the Immune Modulating Molecules OX40, CEACAM1, and CTLA4 Are Required for Thymic Graft-Versus-Host Disease. *Blood*, **2008**, 112, 65-65	2.2	10
47	Enhanced responses to tumor immunization following total body irradiation are time-dependent. *PLoS ONE*, **2013**, 8, e82496	3.7	10
46	pldist: ecological dissimilarities for paired and longitudinal microbiome association analysis. *Bioinformatics*, **2019**, 35, 3567-3575	7.2	9
45	IL-22-dependent dysbiosis and mononuclear phagocyte depletion contribute to steroid-resistant gut graft-versus-host disease in mice. *Nature Communications*, **2021**, 12, 805	17.4	9
44	Uncovering the role of the gut microbiota in immune checkpoint blockade therapy: A mini-review. *Seminars in Hematology*, **2020**, 57, 13-18	4	6
43	Oral microbiome and onset of oral mucositis in patients with squamous cell carcinoma of the head and neck. *Cancer*, **2020**, 126, 5124-5136	6.4	6
42	Associations between the gut microbiome and fatigue in cancer patients. *Scientific Reports*, **2021**, 11, 5847	4.9	6
41	Nodal immune flare mimics nodal disease progression following neoadjuvant immune checkpoint inhibitors in non-small cell lung cancer. *Nature Communications*, **2021**, 12, 5045	17.4	6
40	Microbiome Anomalies in Allogeneic Hematopoietic Cell Transplantation. *Annual Review of Medicine*, **2020**, 71, 137-148	17.4	5
39	Disease-Free Survival After Cord Blood (CB) Transplantation Is Not Different to That After Related or Unrelated Donor Transplantation in Patients with Hematologic Malignancies.. *Blood*, **2009**, 114, 2296-2296	2.2	5
38	Impact of the Intestinal Microbiota on Infections and Survival Following Hematopoietic Stem Cell Transplantation. *Blood*, **2014**, 124, SCI-48-SCI-48	2.2	5
37	Gut Microbiome Features Associated with Liver Fibrosis in Hispanics, a Population at High Risk for Fatty Liver Disease. *Hepatology*, **2021**,	11.2	5
36	Neutropenic Enterocolitis: Clinical Features and Outcomes. *Diseases of the Colon and Rectum*, **2020**, 63, 381-388	3.1	5
35	Role of the intestinal mucosa in acute gastrointestinal GVHD. *Hematology American Society of Hematology Education Program*, **2016**, 2016, 119-127	3.1	5
34	National Institutes of Health Consensus Development Project on Criteria for Clinical Trials in Chronic Graft-versus-Host Disease: IV. The 2020 Highly morbid forms report. *Transplantation and Cellular Therapy*, **2021**, 27, 817-835		5

33	Repertoire enhancement with adoptively transferred female lymphocytes controls the growth of pre-implanted murine prostate cancer. *PLoS ONE*, **2012**, 7, e35222	3.7	4
32	aPCoA: covariate adjusted principal coordinates analysis. *Bioinformatics*, **2020**, 36, 4099-4101	7.2	3
31	Loss of Microbiota Diversity after Autologous Stem Cell Transplant Is Comparable to Injury in Allogeneic Stem Cell Transplant. *Blood*, **2018**, 132, 608-608	2.2	3
30	Pilot Clinical Trial of Perioperative Durvalumab and Tremelimumab in the Treatment of Resectable Colorectal Cancer Liver Metastases. *Clinical Cancer Research*, **2021**, 27, 3039-3049	12.9	3
29	Enteropathogenic Escherichia coli Infection in Cancer and Immunosuppressed Patients. *Clinical Infectious Diseases*, **2021**, 72, e620-e629	11.6	3
28	An alpha-defensin gene single nucleotide polymorphism modulates the gut microbiota and may alter the risk of acute graft-versus-host disease. *British Journal of Haematology*, **2020**, 189, 926-930	4.5	2
27	Not just leukemia: CMV may protect against lymphoma recurrence after allogeneic transplant. *Leukemia and Lymphoma*, **2017**, 58, 759-761	1.9	2
26	Performance determinants of unsupervised clustering methods for microbiome data.. *Microbiome*, **2022**, 10, 25	16.6	2
25	Alloreactive T cells deficient of the short-chain fatty acid receptor GPR109A induce less graft-versus-host disease. *Blood*, **2021**,	2.2	2
24	Bayesian compositional regression with structured priors for microbiome feature selection. *Biometrics*, **2021**, 77, 824-838	1.8	2
23	Implicating or exonerating the gut microbiome in blood-borne infection. *Nature Medicine*, **2018**, 24, 1788-1789	50.5	2
22	The role of microbiota in allogeneic hematopoietic stem cell transplantation. *Expert Opinion on Biological Therapy*, **2021**, 21, 1121-1131	5.4	2
21	Dosing a synbiotic of human milk oligosaccharides and B. infantis leads to reversible engraftment in healthy adult microbiomes without antibiotics.. *Cell Host and Microbe*, **2022**,	23.4	2
20	Network for Biomarker Immunoprofiling for Cancer Immunotherapy: Cancer Immune Monitoring and Analysis Centers and Cancer Immunologic Data Commons (CIMAC-CIDC). *Clinical Cancer Research*, **2021**, 27, 5038-5048	12.9	1
19	Over-Expression of TRAIL on Donor T Cells Enhances GVT and Suppresses Gvhd Via Elimination of Alloreactive T Cells and Host APC. *Blood*, **2011**, 118, 817-817	2.2	0
18	ProgPerm: Progressive permutation for a dynamic representation of the robustness of microbiome discoveries. *BMC Bioinformatics*, **2021**, 22, 126	3.6	0
17	Gut Microbiome Alterations Associated with Diabetes in Mexican Americans in South Texas.. *MSystems*, **2022**, e0003322	7.6	0
16	Microbiome and Allogeneic Hematopoietic Stem Cell Transplantation **2019**, 141-154		

List of Publications

15	Gut Bacterial Diversity Associates with Efficacy of Anti-CD19 CAR T-Cell Therapy in Patients with Large B-Cell Lymphoma. *Blood*, **2020**, 136, 34-35	2.2
14	TCR Repertoires in Graft-Versus-Host-Disease (GVHD)-Target Tissues Reveals Tissue Specificity of the Alloimmune Response. *Blood*, **2020**, 136, 21-23	2.2
13	Immunomodulatory Molecules of the Immune System **2007**, 67-121	
12	Nutrition As a Predictor of Microbiome Injury in Allo-HCT. *Blood*, **2021**, 138, 746-746	2.2
11	Flow Cytometric Analysis of Microbial Diversity in Patients with Aggressive Lymphoma Disease Undergoing Chemoimmunotherapy. *Blood*, **2021**, 138, 4005-4005	2.2
10	Oral Nutrition Modulates the Intestinal Barrier Following Cytotoxic Therapy Via the Microbiome. *Blood*, **2018**, 132, 63-63	2.2
9	Suppression of Luteinizing Hormone Enhances HSC Recovery after Hematopoietic Injuries. *Blood*, **2016**, 128, 370-370	2.2
8	TRAIL/ DR5 Interactions Are Important for Thymic Damage After Allogeneic Bone Marrow Transplantation.. *Blood*, **2009**, 114, 234-234	2.2
7	NOD2 Regulates Hematopoietic Cell Function During Graft-Versus-Host Disease.. *Blood*, **2009**, 114, 2453-2453	2.2
6	Gvhd, Hematopoietic Dysfunction, and Post-Transplant Immune Deficiency: Loss of Marrow Function Leads to Ineffective Extramedullary Hematopoiesis, However Lymphoid Reconstitution Is Restored by the Synergistic Effects of KGF, Sex Steroid Ablation, and Precursor T Cell Adoptive Therapy.. *Blood*, **2010**, 116, 1468-1468	2.2
5	Genetic Engineering of Donor T Cells for BMT Immunotherapy: Expression of TRAIL and PLZF Selectively Enhances GVT and Abrogates Gvhd. *Blood*, **2010**, 116, 730-730	2.2
4	Innate Lymphoid Cell-Derived IL-22 Mediates Endogenous Thymic Repair Under the Control of IL-23. *Blood*, **2011**, 118, 143-143	2.2
3	Age-Related Thymic Involution Triggers Intrinsic Regeneration Pathways but They Remain Ineffective for Its Renewal. *Blood*, **2012**, 120, 1043-1043	2.2
2	Antibiotic prophylaxis in allogeneic stem cell transplantation-what is the correct choice?. *Bone Marrow Transplantation*, **2016**, 51, 1071-2	4.4
1	Financial incentives to increase stool collection rates for microbiome studies in adult bone marrow transplant patients.. *PLoS ONE*, **2022**, 17, e0267974	3.7