Ashutosh Kumar Mangalam

List of Publications by Citations

61 papers	2,477 citations	23 h-index	49 g-index
76 ext. papers	3,260 ext. citations	7.2 avg, IF	5.01 L-index

#	Paper	IF	Citations
61	Multiple sclerosis patients have a distinct gut microbiota compared to healthy controls. *Scientific Reports*, **2016**, 6, 28484	4.9	437
60	Airway Memory CD4(+) T Cells Mediate Protective Immunity against Emerging Respiratory Coronaviruses. *Immunity*, **2016**, 44, 1379-91	32.3	301
59	Primer premier: program for design of degenerate primers from a protein sequence. *BioTechniques*, **1998**, 24, 318-9	2.5	195
58	Recovery from the Middle East respiratory syndrome is associated with antibody and T-cell responses. *Science Immunology*, **2017**, 2,	28	178
57	Human Gut-Derived Commensal Bacteria Suppress CNS Inflammatory and Demyelinating Disease. *Cell Reports*, **2017**, 20, 1269-1277	10.6	137
56	Suppression of Inflammatory Arthritis by Human Gut-Derived Prevotella histicola in Humanized Mice. *Arthritis and Rheumatology*, **2016**, 68, 2878-2888	9.5	117
55	Gut microbiome in multiple sclerosis: The players involved and the roles they play. *Gut Microbes*, **2017**, 8, 607-615	8.8	88
54	IM-TORNADO: a tool for comparison of 16S reads from paired-end libraries. *PLoS ONE*, **2014**, 9, e114804	3.7	76
53	WASH knockout T cells demonstrate defective receptor trafficking, proliferation, and effector function. *Molecular and Cellular Biology*, **2013**, 33, 958-73	4.8	73
52	The "Gut Feeling": Breaking Down the Role of Gut Microbiome in Multiple Sclerosis. *Neurotherapeutics*, **2018**, 15, 109-125	6.4	71
51	New humanized HLA-DR4-transgenic mice that mimic the sex bias of rheumatoid arthritis. *Arthritis and Rheumatism*, **2007**, 56, 69-78		68
50	HLA class II molecules influence susceptibility versus protection in inflammatory diseases by determining the cytokine profile. *Journal of Immunology*, **2013**, 190, 513-8	5.3	67
49	Loss of AMPK exacerbates experimental autoimmune encephalomyelitis disease severity. *Biochemical and Biophysical Research Communications*, **2009**, 386, 16-20	3.4	58
48	HLA class II transgenic mice mimic human inflammatory diseases. *Advances in Immunology*, **2008**, 97, 65-147	5.6	58
47	Untargeted Plasma Metabolomics Identifies Endogenous Metabolite with Drug-like Properties in Chronic Animal Model of Multiple Sclerosis. *Journal of Biological Chemistry*, **2015**, 290, 30697-712	5.4	49
46	, A Human Gut Commensal, Is as Potent as COPAXONE in an Animal Model of Multiple Sclerosis. *Frontiers in Immunology*, **2019**, 10, 462	8.4	48
45	Two discreet subsets of CD8 T cells modulate PLP(91-110) induced experimental autoimmune encephalomyelitis in HLA-DR3 transgenic mice. *Journal of Autoimmunity*, **2012**, 38, 344-53	15.5	36

44	Role of HLA class II genes in susceptibility and resistance to multiple sclerosis: studies using HLA transgenic mice. *Journal of Autoimmunity*, **2011**, 37, 122-8	15.5	34
43	Identification of T cell epitopes on human proteolipid protein and induction of experimental autoimmune encephalomyelitis in HLA class II-transgenic mice. *European Journal of Immunology*, **2004**, 34, 280-90	6.1	34
42	HLA DR and DQ interaction in myelin oligodendrocyte glycoprotein-induced experimental autoimmune encephalomyelitis in HLA class II transgenic mice. *Journal of Neuroimmunology*, **2005**, 169, 1-12	3.5	29
41	Absence of IFN- increases brain pathology in experimental autoimmune encephalomyelitis-susceptible DRB1*0301.DQ8 HLA transgenic mice through secretion of proinflammatory cytokine IL-17 and induction of pathogenic monocytes/microglia into the central nervous system. *Journal of Immunology*, **2014**, 193, 4859-70	5.3	28
40	HLA-DQ8 (DQB1*0302)-restricted Th17 cells exacerbate experimental autoimmune encephalomyelitis in HLA-DR3-transgenic mice. *Journal of Immunology*, **2009**, 182, 5131-9	5.3	27
39	Neuropilin-1 modulates interferon- stimulated signaling in brain microvascular endothelial cells. *Journal of Cell Science*, **2016**, 129, 3911-3921	5.3	24
38	HLA-DQ6 (DQB1*0601)-restricted T cells protect against experimental autoimmune encephalomyelitis in HLA-DR3.DQ6 double-transgenic mice by generating anti-inflammatory IFN-gamma. *Journal of Immunology*, **2008**, 180, 7747-56	5.3	22
37	AMP-Activated Protein Kinase Suppresses Autoimmune Central Nervous System Disease by Regulating M1-Type Macrophage-Th17 Axis. *Journal of Immunology*, **2016**, 197, 747-60	5.3	17
36	Role of MHC class II expressing CD4+ T cells in proteolipid protein(91-110)-induced EAE in HLA-DR3 transgenic mice. *European Journal of Immunology*, **2006**, 36, 3356-70	6.1	16
35	Intestinal Dysbiosis in, and Enteral Bacterial Therapies for, Systemic Autoimmune Diseases. *Frontiers in Immunology*, **2020**, 11, 573079	8.4	15
34	Beyond Metabolism: The Complex Interplay Between Dietary Phytoestrogens, Gut Bacteria, and Cells of Nervous and Immune Systems. *Frontiers in Neurology*, **2020**, 11, 150	4.1	14
33	Endocannabinoid Receptor-1 and Sympathetic Nervous System Mediate the Beneficial Metabolic Effects of Gastric Bypass. *Cell Reports*, **2020**, 33, 108270	10.6	14
32	Mechanism of action of disease modifying anti-rheumatic agent, gold sodium thiomalate (GSTM). *International Immunopharmacology*, **2001**, 1, 1165-72	5.8	12
31	Microbial monotherapy with for patients with multiple sclerosis. *Expert Review of Neurotherapeutics*, **2019**, 19, 45-53	4.3	10
30	Prospective correlation between the patient microbiome with response to and development of immune-mediated adverse effects to immunotherapy in lung cancer. *BMC Cancer*, **2021**, 21, 808	4.8	10
29	Microbiota Analysis Using Two-step PCR and Next-generation 16S rRNA Gene Sequencing. *Journal of Visualized Experiments*, **2019**,	1.6	9
28	Scoring disease in an animal model of multiple sclerosis using a novel infrared-based automated activity-monitoring system. *Scientific Reports*, **2019**, 9, 19194	4.9	9
27	Gold sodium thiomalate (GSTM) inhibits lipopolysaccharide stimulated tumor necrosis factor-alpha through ceramide pathway. *Cellular Immunology*, **2002**, 219, 1-10	4.4	8

26	MTHFD2 is a metabolic checkpoint controlling effector and regulatory T cell fate and function. *Immunity*, **2021**,	32.3	7
25	A new humanized HLA transgenic mouse model of multiple sclerosis expressing class II on mouse CD4 T cells. *Annals of the New York Academy of Sciences*, **2007**, 1103, 112-7	6.5	6
24	Autoimmunity in HLA-DQ8 transgenic mice expressing granulocyte/macrophage-colony stimulating factor in the beta cells of islets of Langerhans. *Autoimmunity*, **2007**, 40, 169-79	3	6
23	Bugs in the system: bringing the human microbiome to bear in cancer immunotherapy. *Gut Microbes* , **2019**, 10, 109-112	8.8	6
22	Effect of bacterial contamination in bile on pancreatic cancer cell survival. *Surgery*, **2021**, 169, 617-622	3.6	6
21	Sepsis impedes EAE disease development and diminishes autoantigen-specific naive CD4 T cells. *ELife*, **2020**, 9,	8.9	5
20	Human Commensal Ameliorates Disease as Effectively as Interferon-Beta in the Experimental Autoimmune Encephalomyelitis. *Frontiers in Immunology*, **2020**, 11, 578648	8.4	5
19	Isoflavone diet ameliorates experimental autoimmune encephalomyelitis through modulation of gut bacteria depleted in patients with multiple sclerosis. *Science Advances*, **2021**, 7,	14.3	5
18	The Emerging World of Microbiome in Autoimmune Disorders: Opportunities and Challenges. *Indian Journal of Rheumatology*, **2021**, 16, 57-72	0.5	5
17	Distinct local immunogenic stimuli dictate differential requirements for CD4+ and CD8+ T cell subsets in the pathogenesis of spontaneous autoimmune diabetes. *Autoimmunity*, **2007**, 40, 489-96	3	4
16	Delineation of the minimal encephalitogenic epitope of proteolipid protein peptide(91-110) and critical residues required for induction of EAE in HLA-DR3 transgenic mice. *Journal of Neuroimmunology*, **2005**, 161, 40-8	3.5	4
15	Utility of CD64 Expression on Neutrophils as a Marker to Differentiate Infectious versus Noninfectious Disease Flares in Autoimmune Disorders. *Indian Journal of Rheumatology*, **2019**, 14, 9-11	0.5	4
14	The Gut Microbiome and Metabolome in Multiple Sclerosis **2019**, 333-340		2
13	Pathophysiology of Experimental Autoimmune Encephalomyelitis **2016**, 249-280		2
12	Genetic Predisposition to Autoimmune Diseases Conferred by the Major Histocompatibility Complex **2014**, 365-380		2
11	Toll-like receptor 4 and myeloid differentiation factor 88 are required for gastric bypass-induced metabolic effects. *Surgery for Obesity and Related Diseases*, **2021**, 17, 1996-2006	3	2
10	Administration of Human Derived Upper gut Commensal Prevotella histicola delays the onset of type 1 diabetes in NOD mice.. *BMC Microbiology*, **2022**, 22, 8	4.5	1
9	Prospective correlation between the patient microbiome with response to and development of immune-mediated adverse effects to immunotherapy in lung cancer.. *Journal of Clinical Oncology*, **2021**, 39, e21024-e21024	2.2	1

List of Publications

8	MTHFD2 is a Metabolic Checkpoint Controlling Effector and Regulatory T Cell Fate and Function		1
7	HLA Class II Polymorphisms Modulate Gut Microbiota and Experimental Autoimmune Encephalomyelitis Phenotype. *ImmunoHorizons*, **2021**, 5, 627-646	2.7	1
6	Autoimmunity Increases Susceptibility to and Mortality from Sepsis. *ImmunoHorizons*, **2021**, 5, 844-854	2.7	0
5	Fungal microbiome and multiple sclerosis: The not-so-new kid on the block. *EBioMedicine*, **2021**, 72, 103628	8.8	0
4	Secreted osteopontin from CD4 T cells limits acute graft-versus-host disease.. *Cell Reports*, **2021**, 37, 110170	10.6	0
3	Multiple sclerosis patients have an altered gut mycobiome and increased fungal to bacterial richness.. *PLoS ONE*, **2022**, 17, e0264556	3.7	0
2	Reply. *Arthritis and Rheumatology*, **2018**, 70, 321-322	9.5	
1	Role of the gut microbiome in multiple sclerosis: From etiology to therapeutics. *International Review of Neurobiology*, **2022**,	4.4	