

# Manish Butte

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/4545499/manish-butte-publications-by-year.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

119  
papers

11,966  
citations

36  
h-index

109  
g-index

141  
ext. papers

14,155  
ext. citations

9.6  
avg, IF

6.28  
L-index

#	Paper	IF	Citations
119	Immunomodulatory Microneedle Patch for Periodontal Tissue Regeneration.. <i>Matter</i> , <b>2022</b> , 5, 666-682	12.7	4
118	Swab-Seq: A high-throughput platform for massively scaled up SARS-CoV-2 testing <b>2021</b> ,		28
117	Pre-existing conditions in Hispanics/Latinxs that are COVID-19 risk factors. <i>IScience</i> , <b>2021</b> , 24, 102188	6.1	2
116	Commercial immunoglobulin products contain cross-reactive but not neutralizing antibodies against SARS-CoV-2. <i>Journal of Allergy and Clinical Immunology</i> , <b>2021</b> , 147, 876-877	11.5	1
115	Variants in PRKAR1B cause a neurodevelopmental disorder with autism spectrum disorder, apraxia, and insensitivity to pain. <i>Genetics in Medicine</i> , <b>2021</b> , 23, 1465-1473	8.1	1
114	Detection of a mosaic CDKL5 deletion and inversion by optical genome mapping ends an exhaustive diagnostic odyssey. <i>Molecular Genetics &amp; Genomic Medicine</i> , <b>2021</b> , 9, e1665	2.3	1
113	Massively scaled-up testing for SARS-CoV-2 RNA via next-generation sequencing of pooled and barcoded nasal and saliva samples. <i>Nature Biomedical Engineering</i> , <b>2021</b> , 5, 657-665	19	14
112	Infections in Infants with SCID: Isolation, Infection Screening, and Prophylaxis in PIDTC Centers. <i>Journal of Clinical Immunology</i> , <b>2021</b> , 41, 38-50	5.7	5
111	CADINS in an Adult with Chronic Sinusitis and Atopic Disease. <i>Journal of Clinical Immunology</i> , <b>2021</b> , 41, 256-258	5.7	2
110	The New "Wholly Trinity" in the Diagnosis and Management of Inborn Errors of Immunity. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , <b>2021</b> , 9, 613-625	5.4	3
109	Clinical sites of the Undiagnosed Diseases Network: unique contributions to genomic medicine and science. <i>Genetics in Medicine</i> , <b>2021</b> , 23, 259-271	8.1	6
108	When Screening for Severe Combined Immunodeficiency (SCID) with T Cell Receptor Excision Circles Is Not SCID: a Case-Based Review. <i>Journal of Clinical Immunology</i> , <b>2021</b> , 41, 294-302	5.7	6
107	Commonalities across computational workflows for uncovering explanatory variants in undiagnosed cases. <i>Genetics in Medicine</i> , <b>2021</b> , 23, 1075-1085	8.1	2
106	Biallelic PI4KA variants cause neurological, intestinal and immunological disease. <i>Brain</i> , <b>2021</b> ,	11.2	1
105	Expanding the potential genes of inborn errors of immunity through protein interactions. <i>BMC Genomics</i> , <b>2021</b> , 22, 618	4.5	0
104	Multiplexed Functional Assessment of Genetic Variants in CARD11. <i>American Journal of Human Genetics</i> , <b>2020</b> , 107, 1029-1043	11	8
103	MPEG1/Perforin-2 Haploinsufficiency Associated Polymicrobial Skin Infections and Considerations for Interferon- $\gamma$ Therapy. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 601584	8.4	3

102	DYRK1A pathogenic variants in two patients with syndromic intellectual disability and a review of the literature. <i>Molecular Genetics &amp; Genomic Medicine</i> , <b>2020</b> , 8, e1544	2.3	1
101	CRISPR-based gene editing enables gene repair in IPEX patient cells. <i>Science Advances</i> , <b>2020</b> , 6, eaaz0571	14.3	38
100	A Global Effort to Define the Human Genetics of Protective Immunity to SARS-CoV-2 Infection. <i>Cell</i> , <b>2020</b> , 181, 1194-1199	56.2	113
99	Disseminated Coccidioidomycosis Treated with Interferon- $\gamma$ and Dupilumab. <i>New England Journal of Medicine</i> , <b>2020</b> , 382, 2337-2343	59.2	10
98	De novo EIF2AK1 and EIF2AK2 Variants Are Associated with Developmental Delay, Leukoencephalopathy, and Neurologic Decompensation. <i>American Journal of Human Genetics</i> , <b>2020</b> , 106, 570-583	11	21
97	Early infantile epileptic encephalopathy due to biallelic pathogenic variants in PIGQ: Report of seven new subjects and review of the literature. <i>Journal of Inherited Metabolic Disease</i> , <b>2020</b> , 43, 1321-1332	5.4	6
96	Biologics and therapeutics <b>2020</b> , 1099-1111		
95	T-cell activation is modulated by the 3D mechanical microenvironment. <i>Biomaterials</i> , <b>2020</b> , 252, 120058	15.6	24
94	Intact B-Cell Signaling and Function With Host B-Cells 47 Years After Transplantation for X-SCID. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 415	8.4	2
93	Chronic Rhinosinusitis in Pediatric Immunodeficiency. <i>Current Treatment Options in Allergy</i> , <b>2020</b> , 7, 219-232		
92	Prior diagnoses and medications as risk factors for COVID-19 in a Los Angeles Health System <b>2020</b> ,		22
91	The Role of the Anti-Inflammatory Cytokine Interleukin-10 in Tissue Fibrosis. <i>Advances in Wound Care</i> , <b>2020</b> , 9, 184-198	4.8	88
90	Differential Contributions of Actin and Myosin to the Physical Phenotypes and Invasion of Pancreatic Cancer Cells. <i>Cellular and Molecular Bioengineering</i> , <b>2020</b> , 13, 27-44	3.9	9
89	Unraveling the mechanobiology of immune cells. <i>Current Opinion in Biotechnology</i> , <b>2020</b> , 66, 236-245	11.4	20
88	Augmenting T-cell responses to tumors by nanomanufacturing. <i>Materials Horizons</i> , <b>2020</b> , 7, 3028-3033	14.4	1
87	Progressive B Cell Loss in Revertant X-SCID. <i>Journal of Clinical Immunology</i> , <b>2020</b> , 40, 1001-1009	5.7	2
86	Mechanosensing through YAP controls T cell activation and metabolism. <i>Journal of Experimental Medicine</i> , <b>2020</b> , 217,	16.6	14
85	Dominant-negative mutations in human IL6ST underlie hyper-IgE syndrome. <i>Journal of Experimental Medicine</i> , <b>2020</b> , 217,	16.6	36

84	Diagnostic utility of transcriptome sequencing for rare Mendelian diseases. <i>Genetics in Medicine</i> , <b>2020</b> , 22, 490-499	8.1	60
83	Partial Loss of USP9X Function Leads to a Male Neurodevelopmental and Behavioral Disorder Converging on Transforming Growth Factor $\beta$ Signaling. <i>Biological Psychiatry</i> , <b>2020</b> , 87, 100-112	7.9	19
82	Heterozygous FOXP1 Variants Cause Low TRECs and Severe T Cell Lymphopenia, Revealing a Crucial Role of FOXP1 in Supporting Early Thymopoiesis. <i>American Journal of Human Genetics</i> , <b>2019</b> , 105, 549-561	11	28
81	Augmentation of T-Cell Activation by Oscillatory Forces and Engineered Antigen-Presenting Cells. <i>Nano Letters</i> , <b>2019</b> , 19, 6945-6954	11.5	16
80	Treatment of systemic mastocytosis in an infant with midostaurin. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , <b>2019</b> , 7, 2929-2931.e1	5.4	4
79	De Novo Pathogenic Variants in N-cadherin Cause a Syndromic Neurodevelopmental Disorder with Corpus Collosum, Axon, Cardiac, Ocular, and Genital Defects. <i>American Journal of Human Genetics</i> , <b>2019</b> , 105, 854-868	11	17
78	Newborn Screening for Severe Combined Immunodeficiency and T-cell Lymphopenia in California, 2010-2017. <i>Pediatrics</i> , <b>2019</b> , 143,	7.4	82
77	Spectrum of neurodevelopmental disease associated with the GNAO1 guanosine triphosphate-binding region. <i>Epilepsia</i> , <b>2019</b> , 60, 406-418	6.4	26
76	Lysosomal Storage and Albinism Due to Effects of a De Novo CLCN7 Variant on Lysosomal Acidification. <i>American Journal of Human Genetics</i> , <b>2019</b> , 104, 1127-1138	11	30
75	Outcomes and Treatment Strategies for Autoimmunity and Hyperinflammation in Patients with RAG Deficiency. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , <b>2019</b> , 7, 1970-1985.e4	5.4	41
74	Heterozygous variants in MYBPC1 are associated with an expanded neuromuscular phenotype beyond arthrogyriposis. <i>Human Mutation</i> , <b>2019</b> , 40, 1115-1126	4.7	7
73	Case Study: Mechanism for Increased Follicular Helper T Cell Development in Activated PI3K Delta Syndrome. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 753	8.4	12
72	IgG4-related disease: Association with a rare gene variant expressed in cytotoxic T cells. <i>Molecular Genetics &amp; Genomic Medicine</i> , <b>2019</b> , 7, e686	2.3	6
71	A toolkit for genetics providers in follow-up of patients with non-diagnostic exome sequencing. <i>Journal of Genetic Counseling</i> , <b>2019</b> , 28, 213-228	2.5	4
70	Biochemical Stimulation of Immune Cells and Measurement of Mechanical Responses Using Atomic Force Microscopy. <i>Current Protocols in Chemical Biology</i> , <b>2019</b> , 11, e63	1.8	1
69	A comprehensive iterative approach is highly effective in diagnosing individuals who are exome negative. <i>Genetics in Medicine</i> , <b>2019</b> , 21, 161-172	8.1	36
68	T Lymphocytes Attenuate Dermal Scarring by Regulating Inflammation, Neovascularization, and Extracellular Matrix Remodeling. <i>Advances in Wound Care</i> , <b>2019</b> , 8, 527-537	4.8	24
67	De Novo Variants in WDR37 Are Associated with Epilepsy, Colobomas, Dysmorphism, Developmental Delay, Intellectual Disability, and Cerebellar Hypoplasia. <i>American Journal of Human Genetics</i> , <b>2019</b> , 105, 413-424	11	19

66	Magnetic Resonance Imaging characteristics in case of TOR1AIP1 muscular dystrophy. <i>Clinical Imaging</i> , <b>2019</b> , 58, 108-113	2.7	4
65	Host-Pathogen Interactions in <i>Coccidioidomycosis</i> : Prognostic Clues and Opportunities for Novel Therapies. <i>Clinical Therapeutics</i> , <b>2019</b> , 41, 1939-1954.e1	3.5	3
64	Bi-allelic Variants in TONSL Cause SPONASTRIME Dysplasia and a Spectrum of Skeletal Dysplasia Phenotypes. <i>American Journal of Human Genetics</i> , <b>2019</b> , 104, 422-438	11	10
63	The Actin-Capping Protein Alpha-Adducin Is Required for T-Cell Costimulation. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 2706	8.4	0
62	Prevalence and clinical challenges among adults with primary immunodeficiency and recombination-activating gene deficiency. <i>Journal of Allergy and Clinical Immunology</i> , <b>2018</b> , 141, 2303-2306	11.5	25
61	Hyaluronan content governs tissue stiffness in pancreatic islet inflammation. <i>Journal of Biological Chemistry</i> , <b>2018</b> , 293, 567-578	5.4	29
60	Cytokine Secreting Microparticles Engineer the Fate and the Effector Functions of T-Cells. <i>Advanced Materials</i> , <b>2018</b> , 30, 1703178	24	17
59	Cytoskeletal adaptivity regulates T cell receptor signaling. <i>Science Signaling</i> , <b>2017</b> , 10,	8.8	40
58	Systems approach to uncover signaling networks in primary immunodeficiency diseases. <i>Journal of Allergy and Clinical Immunology</i> , <b>2017</b> , 140, 881-884.e8	11.5	3
57	Adult enteric nervous system in health is maintained by a dynamic balance between neuronal apoptosis and neurogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, E3709-E3718	11.5	127
56	Interleukin-10-mediated regenerative postnatal tissue repair is dependent on regulation of hyaluronan metabolism fibroblast-specific STAT3 signaling. <i>FASEB Journal</i> , <b>2017</b> , 31, 868-881	0.9	43
55	Quantitative Deformability Cytometry: Rapid, Calibrated Measurements of Cell Mechanical Properties. <i>Biophysical Journal</i> , <b>2017</b> , 113, 1574-1584	2.9	68
54	YAP-dependent mechanotransduction is required for proliferation and migration on native-like substrate topography. <i>Biomaterials</i> , <b>2017</b> , 115, 155-166	15.6	37
53	Modified High-Molecular-Weight Hyaluronan Promotes Allergen-Specific Immune Tolerance. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2017</b> , 56, 109-120	5.7	17
52	Treatment of CGD-associated Colitis with the IL-23 Blocker Ustekinumab. <i>Journal of Clinical Immunology</i> , <b>2016</b> , 36, 619-20	5.7	18
51	T cell activation requires force generation. <i>Journal of Cell Biology</i> , <b>2016</b> , 213, 535-42	7.3	101
50	Treatment with rituximab and brentuximab vedotin in a patient of common variable immune deficiency-associated classic Hodgkin lymphoma. <i>Biomarker Research</i> , <b>2016</b> , 4, 7	8	7
49	Hyaluronan synthesis is necessary for autoreactive T-cell trafficking, activation, and Th1 polarization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 1339-44	11.5	39

48	Fast Stiffness Mapping of Cells Using High-Bandwidth Atomic Force Microscopy. <i>ACS Nano</i> , <b>2016</b> , 10, 257-64	16.7	16
47	T cell activation requires force generation. <i>Journal of Experimental Medicine</i> , <b>2016</b> , 213, 2137OIA56	16.6	
46	Winner of the Young Investigator Award of the Society for Biomaterials at the 10th World Biomaterials Congress, May 17-22, 2016, Montreal QC, Canada: Microribbon-based hydrogels accelerate stem cell-based bone regeneration in a mouse critical-size cranial defect model. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2016</b> , 104, 1321-31	5.4	24
45	Characterization of T and B cell repertoire diversity in patients with RAG deficiency. <i>Science Immunology</i> , <b>2016</b> , 1,	28	62
44	Strain-enhanced stress relaxation impacts nonlinear elasticity in collagen gels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 5492-7	11.5	146
43	Taking T cell priming down a Notch: signaling through Notch receptors enhances T cell sensitivity to antigen. <i>Immunity</i> , <b>2015</b> , 42, 6-8	32.3	6
42	Differential fates of biomolecules delivered to target cells via extracellular vesicles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, E1433-42	11.5	296
41	PRKDC mutations associated with immunodeficiency, granuloma, and autoimmune regulator-dependent autoimmunity. <i>Journal of Allergy and Clinical Immunology</i> , <b>2015</b> , 135, 1578-88.e5	11.5	52
40	Epicardial FSTL1 reconstitution regenerates the adult mammalian heart. <i>Nature</i> , <b>2015</b> , 525, 479-85	50.4	309
39	NKp46 Clusters at the Immune Synapse and Regulates NK Cell Polarization. <i>Frontiers in Immunology</i> , <b>2015</b> , 6, 495	8.4	31
38	Compound heterozygous mutation of Rag1 leading to Omenn syndrome. <i>PLoS ONE</i> , <b>2015</b> , 10, e0121489	3.7	8
37	Broad-spectrum antibodies against self-antigens and cytokines in RAG deficiency. <i>Journal of Clinical Investigation</i> , <b>2015</b> , 125, 4135-48	15.9	94
36	Spatiotemporally and mechanically controlled triggering of mast cells using atomic force microscopy. <i>Immunologic Research</i> , <b>2014</b> , 58, 211-7	4.3	5
35	Use of bio-mimetic three-dimensional technology in therapeutics for heart disease. <i>Bioengineered</i> , <b>2014</b> , 5, 193-7	5.7	18
34	Customized atomic force microscopy probe by focused-ion-beam-assisted tip transfer. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 053101	3.4	4
33	Multi-cellular interactions sustain long-term contractility of human pluripotent stem cell-derived cardiomyocytes. <i>American Journal of Translational Research (discontinued)</i> , <b>2014</b> , 6, 724-35	3	32
32	The effect of bioengineered acellular collagen patch on cardiac remodeling and ventricular function post myocardial infarction. <i>Biomaterials</i> , <b>2013</b> , 34, 9048-55	15.6	133
31	High-Bandwidth AFM Probes for Imaging in Air and Fluid. <i>Journal of Microelectromechanical Systems</i> , <b>2013</b> , 22, 603-612	2.5	3

30	Polyvinylpyrrolidone microneedles enable delivery of intact proteins for diagnostic and therapeutic applications. <i>Acta Biomaterialia</i> , <b>2013</b> , 9, 7767-74	10.8	55
29	Real-time GPU-based 3D Deconvolution. <i>Optics Express</i> , <b>2013</b> , 21, 4766-73	3.3	29
28	Measurement of elastic properties in fluid using high bandwidth atomic force microscope probes. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 103111	3.4	5
27	Human amniotic mesenchymal stem cell-derived induced pluripotent stem cells may generate a universal source of cardiac cells. <i>Stem Cells and Development</i> , <b>2012</b> , 21, 2798-808	4.4	35
26	Optical planar waveguide for cell counting. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 43701-437015	3.4	4
25	Dependence of avidity on linker length for a bivalent ligand-bivalent receptor model system. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 333-45	16.4	83
24	CD28 costimulation regulates genome-wide effects on alternative splicing. <i>PLoS ONE</i> , <b>2012</b> , 7, e40032	3.7	29
23	Patient-specific induced pluripotent stem cells as a model for familial dilated cardiomyopathy. <i>Science Translational Medicine</i> , <b>2012</b> , 4, 130ra47	17.5	497
22	Single molecule labeling of an atomic force microscope cantilever tip. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 163705	3.4	4
21	Counting cells with a low-cost integrated microfluidics-waveguide sensor. <i>Biomicrofluidics</i> , <b>2012</b> , 6, 14115-141154	5.2	154
20	Atomic force mechanobiology of pluripotent stem cell-derived cardiomyocytes. <i>PLoS ONE</i> , <b>2012</b> , 7, e37559	3.7	88
19	Apelin enhances directed cardiac differentiation of mouse and human embryonic stem cells. <i>PLoS ONE</i> , <b>2012</b> , 7, e38328	3.7	33
18	Thread as a matrix for biomedical assays. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2010</b> , 2, 1722-8	9.5	200
17	Interaction of human PD-L1 and B7-1. <i>Molecular Immunology</i> , <b>2008</b> , 45, 3567-72	4.3	184
16	Cell encapsulation in sub-mm sized gel modules using replica molding. <i>PLoS ONE</i> , <b>2008</b> , 3, e2258	3.7	67
15	PD-1 and its ligands in tolerance and immunity. <i>Annual Review of Immunology</i> , <b>2008</b> , 26, 677-704	34.7	3557
14	Intravenous Immunoglobulin <b>2007</b> , 870-873		
13	Patterned paper as a platform for inexpensive, low-volume, portable bioassays. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 1318-20	16.4	2111

12	IL-7 receptor deficient SCID with a unique intronic mutation and post-transplant autoimmunity due to chronic GVHD. <i>Clinical Immunology</i> , <b>2007</b> , 125, 159-64	9	25
11	Endothelial programmed death-1 ligand 1 (PD-L1) regulates CD8+ T-cell mediated injury in the heart. <i>Circulation</i> , <b>2007</b> , 116, 2062-71	16.7	164
10	Programmed death-1 ligand 1 interacts specifically with the B7-1 costimulatory molecule to inhibit T cell responses. <i>Immunity</i> , <b>2007</b> , 27, 111-22	32.3	1206
9	TIM-1 and TIM-4 glycoproteins bind phosphatidylserine and mediate uptake of apoptotic cells. <i>Immunity</i> , <b>2007</b> , 27, 927-40	32.3	461
8	Pentobarbital desensitization in a 3-month-old child. <i>Allergy and Asthma Proceedings</i> , <b>2004</b> , 25, 225-7	2.6	11
7	Neurotrophic factor structures reveal clues to evolution, binding, specificity, and receptor activation. <i>Cellular and Molecular Life Sciences</i> , <b>2001</b> , 58, 1003-13	10.3	23
6	Functional studies of the BTB domain in the Drosophila GAGA and Mod(mdg4) proteins. <i>Nucleic Acids Research</i> , <b>2000</b> , 28, 3864-70	20.1	19
5	Pediatric myocardial infarction after racemic epinephrine administration. <i>Pediatrics</i> , <b>1999</b> , 104, e9	7.4	43
4	Crystal structure of neurotrophin-3 homodimer shows distinct regions are used to bind its receptors. <i>Biochemistry</i> , <b>1998</b> , 37, 16846-52	3.2	49
3	Topological and phenomenological classification of bursting oscillations. <i>Bulletin of Mathematical Biology</i> , <b>1995</b> , 57, 413-39	2.1	194
2	The actin-capping protein alpha-adducin is required for T-cell costimulation		1
1	Leveraging genomic diversity for discovery in an EHR-linked biobank: the UCLA ATLAS Community Health Initiative		2