

# Guy Gorochov

## List of Publications by Citations

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

116 papers	9,721 citations	40 h-index	98 g-index
142 ext. papers	12,709 ext. citations	11.2 avg, IF	5.55 L-index

#	Paper	IF	Citations
116	Functional delineation and differentiation dynamics of human CD4+ T cells expressing the FoxP3 transcription factor. <i>Immunity</i> , <b>2009</b> , 30, 899-911	32.3	1576
115	Autoantibodies against type I IFNs in patients with life-threatening COVID-19. <i>Science</i> , <b>2020</b> , 370,	33.3	1090
114	Inborn errors of type I IFN immunity in patients with life-threatening COVID-19. <i>Science</i> , <b>2020</b> , 370,	33.3	994
113	Foxp3 expressing CD4+CD25(high) regulatory T cells are overrepresented in human metastatic melanoma lymph nodes and inhibit the function of infiltrating T cells. <i>Journal of Immunology</i> , <b>2004</b> , 173, 1444-53	5.3	579
112	IgA dominates the early neutralizing antibody response to SARS-CoV-2. <i>Science Translational Medicine</i> , <b>2021</b> , 13,	17.5	405
111	Perturbation of CD4+ and CD8+ T-cell repertoires during progression to AIDS and regulation of the CD4+ repertoire during antiviral therapy. <i>Nature Medicine</i> , <b>1998</b> , 4, 215-21	50.5	377
110	Global natural regulatory T cell depletion in active systemic lupus erythematosus. <i>Journal of Immunology</i> , <b>2005</b> , 175, 8392-400	5.3	368
109	The immune paradox of sarcoidosis and regulatory T cells. <i>Journal of Experimental Medicine</i> , <b>2006</b> , 203, 359-70	16.6	317
108	Human FoxP3+ regulatory T cells in systemic autoimmune diseases. <i>Autoimmunity Reviews</i> , <b>2011</b> , 10, 744-55	13.6	242
107	Transcriptional blood signatures distinguish pulmonary tuberculosis, pulmonary sarcoidosis, pneumonias and lung cancers. <i>PLoS ONE</i> , <b>2013</b> , 8, e70630	3.7	196
106	Pathogenesis of Takayasu's arteritis: a 2011 update. <i>Autoimmunity Reviews</i> , <b>2011</b> , 11, 61-7	13.6	172
105	Effect of tyrosine kinase inhibitor STI571 on the kinase activity of wild-type and various mutated c-kit receptors found in mast cell neoplasms. <i>Oncogene</i> , <b>2003</b> , 22, 660-4	9.2	159
104	Intracerebral administration of CpG oligonucleotide for patients with recurrent glioblastoma: a phase II study. <i>Neuro-Oncology</i> , <b>2010</b> , 12, 401-8	1	147
103	Microbial ecology perturbation in human IgA deficiency. <i>Science Translational Medicine</i> , <b>2018</b> , 10,	17.5	131
102	In-cell PCR from mRNA: amplifying and linking the rearranged immunoglobulin heavy and light chain V-genes within single cells. <i>Nucleic Acids Research</i> , <b>1992</b> , 20, 3831-7	20.1	129
101	Highly potent, fully recombinant anti-HIV chemokines: reengineering a low-cost microbicide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 17706-11	11.5	117
100	HIV disease progression despite suppression of viral replication is associated with exhaustion of lymphopoiesis. <i>Blood</i> , <b>2011</b> , 117, 5142-51	2.2	113

99	Systemic perturbation of cytokine and chemokine networks in Erdheim-Chester disease: a single-center series of 37 patients. <i>Blood</i> , <b>2011</b> , 117, 2783-90	2.2	113
98	Sialyl Lewis x (CD15s) identifies highly differentiated and most suppressive FOXP3high regulatory T cells in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 7225-30	11.5	112
97	Restoration of the immune system with anti-retroviral therapy. <i>Immunology Letters</i> , <b>1999</b> , 66, 207-11	4.1	104
96	FoxP3+ regulatory T cells suppress early stages of granuloma formation but have little impact on sarcoidosis lesions. <i>American Journal of Pathology</i> , <b>2009</b> , 174, 497-508	5.8	91
95	Autoantibodies neutralizing type I IFNs are present in 4% of uninfected individuals over 70 years old and account for 20% of COVID-19 deaths. <i>Science Immunology</i> , <b>2021</b> , 6,	28	91
94	Exhausted cytotoxic control of Epstein-Barr virus in human lupus. <i>PLoS Pathogens</i> , <b>2011</b> , 7, e1002328	7.6	83
93	Rapid decline of neutralizing antibodies against SARS-CoV-2 among infected healthcare workers. <i>Nature Communications</i> , <b>2021</b> , 12, 844	17.4	81
92	Activated and resting regulatory T cell exhaustion concurs with high levels of interleukin-22 expression in systemic sclerosis lesions. <i>Annals of the Rheumatic Diseases</i> , <b>2012</b> , 71, 1227-34	2.4	75
91	Pathogenesis of relapsing polychondritis: a 2013 update. <i>Autoimmunity Reviews</i> , <b>2014</b> , 13, 90-5	13.6	74
90	Suppressive activity of human regulatory T cells is maintained in the presence of TNF. <i>Nature Medicine</i> , <b>2016</b> , 22, 16-7	50.5	71
89	Evaluating cellular polyfunctionality with a novel polyfunctionality index. <i>PLoS ONE</i> , <b>2012</b> , 7, e42403	3.7	61
88	Functional evidence for derivation of systemic histiocytic neoplasms from hematopoietic stem/progenitor cells. <i>Blood</i> , <b>2017</b> , 130, 176-180	2.2	60
87	Human FOXP3 T regulatory cell heterogeneity. <i>Clinical and Translational Immunology</i> , <b>2018</b> , 7, e1005	6.8	60
86	An engineered CX3CR1 antagonist endowed with anti-inflammatory activity. <i>Journal of Leukocyte Biology</i> , <b>2009</b> , 86, 903-11	6.5	59
85	Lymphopenia-driven homeostatic regulation of naive T cells in elderly and thymectomized young adults. <i>Journal of Immunology</i> , <b>2012</b> , 189, 5541-8	5.3	59
84	Severe meningo-radiculo-neuritis associated with ipilimumab. <i>Investigational New Drugs</i> , <b>2012</b> , 30, 2407-10	4.0	55
83	IgA dominates the early neutralizing antibody response to SARS-CoV-2		54
82	The Relapsing Polychondritis Disease Activity Index: development of a disease activity score for relapsing polychondritis. <i>Autoimmunity Reviews</i> , <b>2012</b> , 12, 204-9	13.6	49

81	Pathogen-Specific T Cell Polyfunctionality Is a Correlate of T Cell Efficacy and Immune Protection. <i>PLoS ONE</i> , <b>2015</b> , 10, e0128714	3.7	47
80	Differential impact of age and cytomegalovirus infection on the T cell compartment. <i>Journal of Immunology</i> , <b>2013</b> , 191, 1300-6	5.3	46
79	Human immunodeficiency virus type 1 entry inhibitors selected on living cells from a library of phage chemokines. <i>Journal of Virology</i> , <b>2003</b> , 77, 6637-44	6.6	45
78	Withdrawal of low-dose prednisone in SLE patients with a clinically quiescent disease for more than 1 year: a randomised clinical trial. <i>Annals of the Rheumatic Diseases</i> , <b>2020</b> , 79, 339-346	2.4	41
77	The role of FOXP3 regulatory T cells in human autoimmune and inflammatory diseases. <i>Clinical and Experimental Immunology</i> , <b>2019</b> , 197, 24-35	6.2	40
76	Analysis of bacterial-surface-specific antibodies in body fluids using bacterial flow cytometry. <i>Nature Protocols</i> , <b>2016</b> , 11, 1531-53	18.8	40
75	Cytokine profiles in sepsis have limited relevance for stratifying patients in the emergency department: a prospective observational study. <i>PLoS ONE</i> , <b>2011</b> , 6, e28870	3.7	39
74	Roles of CCR2 and CXCR3 in the T cell-mediated response occurring during lupus flares. <i>Arthritis and Rheumatism</i> , <b>2003</b> , 48, 3487-96		38
73	Synergistic convergence of microbiota-specific systemic IgG and secretory IgA. <i>Journal of Allergy and Clinical Immunology</i> , <b>2019</b> , 143, 1575-1585.e4	11.5	38
72	Expression of V beta gene segments by Sezary cells. <i>Journal of Investigative Dermatology</i> , <b>1995</b> , 105, 56-61	4.3	37
71	Massive infiltration of the skin by HIV-specific cytotoxic CD8+ T cells. <i>New England Journal of Medicine</i> , <b>1996</b> , 335, 61-2	59.2	33
70	Plasma Exchange to Rescue Patients with Autoantibodies Against Type I Interferons and Life-Threatening COVID-19 Pneumonia. <i>Journal of Clinical Immunology</i> , <b>2021</b> , 41, 536-544	5.7	31
69	Ultrasensitive serum interferon- $\gamma$ quantification during SLE remission identifies patients at risk for relapse. <i>Annals of the Rheumatic Diseases</i> , <b>2019</b> , 78, 1669-1676	2.4	30
68	Human IgA binds a diverse array of commensal bacteria. <i>Journal of Experimental Medicine</i> , <b>2020</b> , 217,	16.6	30
67	Cluster analysis of arterial involvement in Takayasu arteritis reveals symmetric extension of the lesions in paired arterial beds. <i>Arthritis and Rheumatism</i> , <b>2011</b> , 63, 1136-40		29
66	Immunogenicity of HIV type 1 gp120 CD4 binding site phage mimotopes. <i>AIDS Research and Human Retroviruses</i> , <b>2005</b> , 21, 82-92	1.6	28
65	Monitoring Disease Activity in Systemic Lupus Erythematosus With Single-Molecule Array Digital Enzyme-Linked Immunosorbent Assay Quantification of Serum Interferon- $\gamma$ <i>Arthritis and Rheumatology</i> , <b>2019</b> , 71, 756-765	9.5	28
64	Regulatory T cells in solid organ transplantation. <i>Clinical and Translational Immunology</i> , <b>2020</b> , 9, e01099	6.8	27

63	Exclusion of Patients with a Severe T-Cell Defect Improves the Definition of Common Variable Immunodeficiency. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , <b>2016</b> , 4, 1147-1157	5.4	27
62	Low incidence of daily active tobacco smoking in patients with symptomatic COVID-19. <i>Qeios</i> ,	0	27
61	Characterization of vitreous B-cell infiltrates in patients with primary ocular lymphoma, using CDR3 size polymorphism analysis of antibody transcripts. <i>Investigative Ophthalmology and Visual Science</i> , <b>2003</b> , 44, 5235-41		26
60	Regulatory T Cell Responses to High-Dose Methylprednisolone in Active Systemic Lupus Erythematosus. <i>PLoS ONE</i> , <b>2015</b> , 10, e0143689	3.7	25
59	Immune Modifications in Fetal Membranes Overlying the Cervix Precede Parturition in Humans. <i>Journal of Immunology</i> , <b>2017</b> , 198, 1345-1356	5.3	24
58	Ultraviolet light converts propranolol, a nonselective $\beta$ -blocker and potential lupus-inducing drug, into a proinflammatory AhR ligand. <i>European Journal of Immunology</i> , <b>2015</b> , 45, 3174-87	6.1	24
57	The antibody/microbiota interface in health and disease. <i>Mucosal Immunology</i> , <b>2020</b> , 13, 3-11	9.2	24
56	Characterization of T cell-expressed chimeric receptors with antibody-type specificity for the CD4 binding site of HIV-1 gp120. <i>European Journal of Immunology</i> , <b>1998</b> , 28, 4177-87	6.1	23
55	Down-regulation of CD8+ T-cell expansions in patients with human immunodeficiency virus infection receiving highly active combination therapy. <i>Blood</i> , <b>2001</b> , 97, 1787-95	2.2	18
54	Distinct cytokine profiles associated with COVID-19 severity and mortality. <i>Journal of Allergy and Clinical Immunology</i> , <b>2021</b> , 147, 2098-2107	11.5	18
53	Combination of IL-2, rapamycin, DNA methyltransferase and histone deacetylase inhibitors for the expansion of human regulatory T cells. <i>Oncotarget</i> , <b>2017</b> , 8, 104733-104744	3.3	17
52	Low rate of daily active tobacco smoking in patients with symptomatic COVID-19. <i>Qeios</i> ,	0	17
51	Multiparameter grouping delineates heterogeneous populations of human IL-17 and/or IL-22 T-cell producers that share antigen specificities with other T-cell subsets. <i>European Journal of Immunology</i> , <b>2011</b> , 41, 2596-605	6.1	16
50	Phage display of peptide/major histocompatibility complex. <i>Journal of Immunological Methods</i> , <b>2000</b> , 241, 147-58	2.5	16
49	Engineered CCR5 superagonist chemokine as adjuvant in anti-tumor DNA vaccination. <i>Vaccine</i> , <b>2008</b> , 26, 3252-60	4.1	14
48	Prominent plasmacytosis following intravenous immunoglobulin correlates with clinical improvement in Guillain-Barré syndrome. <i>PLoS ONE</i> , <b>2008</b> , 3, e2109	3.7	14
47	Prognostic value of cerebrospinal fluid analysis at the time of a first demyelinating event. <i>Multiple Sclerosis Journal</i> , <b>2011</b> , 17, 164-72	5	13
46	Susceptibility of peripheral blood mononuclear cells to apoptosis is correlated to plasma HIV load. <i>Journal of Acquired Immune Deficiency Syndromes</i> , <b>1998</b> , 17, 419-23		13

45	Immune/microbial interface perturbation in human IgA deficiency. <i>Gut Microbes</i> , <b>2019</b> , 10, 429-433	8.8	13
44	Quality control of microbiota metagenomics by k-mer analysis. <i>BMC Genomics</i> , <b>2015</b> , 16, 183	4.5	12
43	Remission of severe CD8(+) cytotoxic T cell skin infiltrative disease in human immunodeficiency virus-infected patients receiving highly active antiretroviral therapy. <i>Clinical Infectious Diseases</i> , <b>2010</b> , 51, 741-8	11.6	12
42	BNT162b2 vaccine-induced humoral and cellular responses against SARS-CoV-2 variants in systemic lupus erythematosus. <i>Annals of the Rheumatic Diseases</i> , <b>2021</b> ,	2.4	12
41	Gene transfer of two entry inhibitors protects CD4+ T cell from HIV-1 infection in humanized mice. <i>Gene Therapy</i> , <b>2016</b> , 23, 144-50	4	11
40	When Therapeutic IgA Antibodies Might Come of Age. <i>Pharmacology</i> , <b>2021</b> , 106, 9-19	2.3	11
39	Low incidence of daily active tobacco smoking in patients with symptomatic COVID-19. <i>Qeios</i> ,	0	10
38	Longitudinal Cytokine Profiling in Patients with Severe COVID-19 on Extracorporeal Membrane Oxygenation and Hemoadsorption. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2021</b> , 203, 1433-1435	10.2	10
37	Phage-displayed libraries of peptide/major histocompatibility complexes. <i>European Journal of Immunology</i> , <b>2004</b> , 34, 598-607	6.1	8
36	Pre-COVID-19 humoral immunity to common coronaviruses does not confer cross-protection against SARS-CoV-2		8
35	HIV-specific Th2 and Th17 responses predict HIV vaccine protection efficacy. <i>Scientific Reports</i> , <b>2016</b> , 6, 28129	4.9	7
34	Low rate of daily smokers in patients with symptomatic COVID-19		7
33	Perturbed Microbiota/Immune Homeostasis in Multiple Sclerosis. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , <b>2021</b> , 8,	9.1	7
32	High Th2 cytokine levels and upper airway inflammation in human inherited T-bet deficiency. <i>Journal of Experimental Medicine</i> , <b>2021</b> , 218,	16.6	7
31	Prolonged SARS-CoV-2 RNA virus shedding and lymphopenia are hallmarks of COVID-19 in cancer patients with poor prognosis. <i>Cell Death and Differentiation</i> , <b>2021</b> , 28, 3297-3315	12.7	7
30	High-sequence diversity and structural conservation in the human T-cell receptor $\beta$ junctional region during thymic development. <i>European Journal of Immunology</i> , <b>2013</b> , 43, 2185-93	6.1	6
29	Targeting both viral and host determinants of human immunodeficiency virus entry, using a new lentiviral vector coexpressing the T20 fusion inhibitor and a selective CCL5 intrakine. <i>Human Gene Therapy Methods</i> , <b>2014</b> , 25, 232-40	4.9	6
28	Metabolic Optimisation of Regulatory T Cells in Transplantation. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 20058.4		6

27	Generating Chemokine Analogs with Enhanced Pharmacological Properties Using Phage Display. <i>Methods in Enzymology</i> , <b>2016</b> , 570, 47-72	1.7	6
26	Host genetics affect microbial ecosystems via host immunity. <i>Current Opinion in Allergy and Clinical Immunology</i> , <b>2016</b> , 16, 413-20	3.3	5
25	LOX-1+ immature neutrophils predict severe COVID-19 patients at risk of thrombotic complications		5
24	Human lupus, fewer Treg cells indeed: comment on the article by Venigalla et al. <i>Arthritis and Rheumatism</i> , <b>2009</b> , 60, 630		4
23	Systemic anti-commensal response to fungi analyzed by flow cytometry is related to gut mycobiome ecology. <i>Microbiome</i> , <b>2020</b> , 8, 159	16.6	4
22	Considering Personalized Interferon Beta Therapy for COVID-19. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2021</b> , 65,	5.9	4
21	Monoclonal antibody-mediated neutralization of SARS-CoV-2 in an IRF9-deficient child. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	3
20	Tissue Infiltrating LT $\alpha$ -Like Group 3 Innate Lymphoid Cells and T Follicular Helper Cells in GravesP and HashimotoB Thyroiditis. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 601	8.4	3
19	Impaired respiratory burst contributes to infections in PKC $\delta$ -deficient patients. <i>Journal of Experimental Medicine</i> , <b>2021</b> , 218,	16.6	3
18	The risk of COVID-19 death is much greater and age dependent with type I IFN autoantibodies.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2022</b> , 119, e2200413119	11.5	3
17	Reverse Immunology Approach to Define a New HIV-gp41-Neutralizing Epitope. <i>Journal of Immunology Research</i> , <b>2019</b> , 2019, 9804584	4.5	2
16	Comment on "Tracking donor-reactive T cells: Evidence for clonal deletion in tolerant kidney transplant patients". <i>Science Translational Medicine</i> , <b>2015</b> , 7, 297le1	17.5	2
15	Antagonistic T-cell subsets in skin diseases. <i>New England Journal of Medicine</i> , <b>2011</b> , 365, 1450-1; author reply 1451-2	59.2	2
14	Identification of the Single Immunodominant Region of the Native Human CC Chemokine Receptor 6 Recognized by Mouse Monoclonal Antibodies. <i>PLoS ONE</i> , <b>2016</b> , 11, e0157740	3.7	2
13	Tocilizumab in COVID-19 therapy: who benefits, and how?. <i>Lancet, The</i> , <b>2021</b> , 398, 299-300	4.0	2
12	Elevated Neopterin Levels Predict Fatal Outcome in SARS-CoV-2-Infected Patients. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2021</b> , 11, 709893	5.9	2
11	The polarity and specificity of antiviral T lymphocyte responses determine susceptibility to SARS-CoV-2 infection in cancer patients and healthy individuals.. <i>Cancer Discovery</i> , <b>2022</b> ,	24.4	2
10	Properties of a disease-specific prion probe. <i>Nature Medicine</i> , <b>2004</b> , 10, 11; author reply 11-2	50.5	1



- 9 Pre-COVID-19 Immunity to Common Cold Human Coronaviruses Induces a Recall-Type IgG Response to SARS-CoV-2 Antigens Without Cross-Neutralisation.. *Frontiers in Immunology*, **2022**, 13, 790334 8.4 1
- 8 Memory CD4+ T-Cell Lymphocytic Angiopathy in Fatal Forms of COVID-19 Pulmonary Infection.. *Frontiers in Immunology*, **2022**, 13, 844727 8.4 1
- 7 A comparison of Sars-Cov-2 vaccine platforms: the CoviCompare project.. *Nature Medicine*, **2022**, 28, 882-884 5.8 1
- 6 Phenotype and function of peripheral blood and bone marrow T-cell colonies: identification of DC3-, 4-, 8-autoreactive T cells. *Human Immunology*, **1989**, 24, 111-24 2.3
- 5 Identification of Autoreactive Human Bone Marrow and Peripheral Blood CD3<sup>+</sup>CD4<sup>+</sup>CD8<sup>+</sup>Prothymocytes **1989**, 564-566
- 4 Effector CD4<sup>+</sup>CD45RA<sup>+</sup>CD25<sup>bright</sup>Foxp3<sup>bright</sup> Regulatory T Cell (eTreg) Distribution Is Significantly Impaired in Chronic Myelomonocytic Leukemia (CMML) and Correlates with TET 2 Mutational Status.. *Blood*, **2012**, 120, 2808-2808 2.2
- 3 Abnormal Numbers Of Regulatory T Cell (Tregs) Subsets Are Significantly Associated With Adverse Disease Outcome In Lower Risk Myelodysplastic Syndromes (MDS) and Chronic Myelomonocytic Leukemia (CMML). *Blood*, **2013**, 122, 2785-2785 2.2
- 2 Les Immunoglobulines A dominant la réponse anticorps neutralisante précoce anti-SARS-CoV-2. *Revue De Medecine Interne*, **2020**, 41, A63-A64 0.1
- 1 Assessment of an ultra-sensitive IFN $\gamma$ immunoassay prototype for latent tuberculosis diagnosis. *European Cytokine Network*, **2018**, 29, 136-145 3.3