

Guy Gorochov

List of Publications by Year in descending order

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Version: 2024-02-01

119
papers

14,547
citations

47006

47
h-index

21540

114
g-index

142
all docs

142
docs citations

142
times ranked

23670
citing authors

#	ARTICLE	IF	CITATIONS
1	Autoantibodies against type I IFNs in patients with life-threatening COVID-19. <i>Science</i> , 2020, 370, .	12.6	1,983
2	Functional Delineation and Differentiation Dynamics of Human CD4+ T Cells Expressing the FoxP3 Transcription Factor. <i>Immunity</i> , 2009, 30, 899-911.	14.3	1,955
3	Inborn errors of type I IFN immunity in patients with life-threatening COVID-19. <i>Science</i> , 2020, 370, .	12.6	1,749
4	IgA dominates the early neutralizing antibody response to SARS-CoV-2. <i>Science Translational Medicine</i> , 2021, 13, .	12.4	840
5	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> , 2004, 173, 1444-1453.	0.8	635
6	Global Natural Regulatory T Cell Depletion in Active Systemic Lupus Erythematosus. <i>Journal of Immunology</i> , 2005, 175, 8392-8400.	0.8	416
7	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> , 1998, 4, 215-221.	30.7	408
8	The immune paradox of sarcoidosis and regulatory T cells. <i>Journal of Experimental Medicine</i> , 2006, 203, 359-370.	8.5	392
9	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> , 2021, 6, .	11.9	357
10	Human FoxP3+ regulatory T cells in systemic autoimmune diseases. <i>Autoimmunity Reviews</i> , 2011, 10, 744-755.	5.8	298
11	Transcriptional Blood Signatures Distinguish Pulmonary Tuberculosis, Pulmonary Sarcoidosis, Pneumonias and Lung Cancers. <i>PLoS ONE</i> , 2013, 8, e70630.	2.5	254
12	Pathogenesis of Takayasu's arteritis: A 2011 update. <i>Autoimmunity Reviews</i> , 2011, 11, 61-67.	5.8	223
13	Microbial ecology perturbation in human IgA deficiency. <i>Science Translational Medicine</i> , 2018, 10, .	12.4	206
14	Intracerebral administration of CpG oligonucleotide for patients with recurrent glioblastoma: a phase II study. <i>Neuro-Oncology</i> , 2010, 12, 401-408.	1.2	180
15	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> , 2003, 22, 660-664.	5.9	179
16	Sialyl Lewis x (CD15s) identifies highly differentiated and most suppressive FOXP3 ^{high} regulatory T cells in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 7225-7230.	7.1	164
17	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> , 1992, 20, 3831-3837.	14.5	150
18	Rapid decline of neutralizing antibodies against SARS-CoV-2 among infected healthcare workers. <i>Nature Communications</i> , 2021, 12, 844.	12.8	146

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19	Systemic perturbation of cytokine and chemokine networks in Erdheim-Chester disease: a single-center series of 37 patients. <i>Blood</i> , 2011, 117, 2783-2790.	1.4	144
20	HIV disease progression despite suppression of viral replication is associated with exhaustion of lymphopoiesis. <i>Blood</i> , 2011, 117, 5142-5151.	1.4	140
21	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> , 2008, 105, 17706-17711.	7.1	133
22	Restoration of the immune system with anti-retroviral therapy. <i>Immunology Letters</i> , 1999, 66, 207-211.	2.5	116
23	FoxP3+ Regulatory T Cells Suppress Early Stages of Granuloma Formation but Have Little Impact on Sarcoidosis Lesions. <i>American Journal of Pathology</i> , 2009, 174, 497-508.	3.8	116
24	Exhausted Cytotoxic Control of Epstein-Barr Virus in Human Lupus. <i>PLoS Pathogens</i> , 2011, 7, e1002328.	4.7	111
25	Pathogenesis of relapsing polychondritis: A 2013 update. <i>Autoimmunity Reviews</i> , 2014, 13, 90-95.	5.8	110
26	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> , 2022, 119, e2200413119.	7.1	110
27	Functional evidence for derivation of systemic histiocytic neoplasms from hematopoietic stem/progenitor cells. <i>Blood</i> , 2017, 130, 176-180.	1.4	98
28	Suppressive activity of human regulatory T cells is maintained in the presence of TNF. <i>Nature Medicine</i> , 2016, 22, 16-17.	30.7	93
29	Human FOXP3^+ T regulatory cell heterogeneity. <i>Clinical and Translational Immunology</i> , 2018, 7, e1005.	3.8	93
30	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> , 2020, 79, 339-346.	0.9	93
31	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> , 2012, 71, 1227-1234.	0.9	90
32	Synergistic convergence of microbiota-specific systemic IgG and secretory IgA. <i>Journal of Allergy and Clinical Immunology</i> , 2019, 143, 1575-1585.e4.	2.9	86
33	Lymphopenia-Driven Homeostatic Regulation of Naive T Cells in Elderly and Thymectomized Young Adults. <i>Journal of Immunology</i> , 2012, 189, 5541-5548.	0.8	82
34	Evaluating Cellular Polyfunctionality with a Novel Polyfunctionality Index. <i>PLoS ONE</i> , 2012, 7, e42403.	2.5	78
35	The Relapsing Polychondritis Disease Activity Index: Development of a disease activity score for relapsing polychondritis. <i>Autoimmunity Reviews</i> , 2012, 12, 204-209.	5.8	71
36	Pathogen-Specific T Cell Polyfunctionality Is a Correlate of T Cell Efficacy and Immune Protection. <i>PLoS ONE</i> , 2015, 10, e0128714.	2.5	68

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37	An engineered CX3CR1 antagonist endowed with anti-inflammatory activity. <i>Journal of Leukocyte Biology</i> , 2009, 86, 903-911.	3.3	67
38	Analysis of bacterial-surface-specific antibodies in body fluids using bacterial flow cytometry. <i>Nature Protocols</i> , 2016, 11, 1531-1553.	12.0	67
39	Human IgA binds a diverse array of commensal bacteria. <i>Journal of Experimental Medicine</i> , 2020, 217, .	8.5	65
40	Severe meningo-radiculo-nevritis associated with ipilimumab. <i>Investigational New Drugs</i> , 2012, 30, 2407-2410.	2.6	64
41	The role of FOXP3+ regulatory T cells in human autoimmune and inflammatory diseases. <i>Clinical and Experimental Immunology</i> , 2019, 197, 24-35.	2.6	62
42	Plasma Exchange to Rescue Patients with Autoantibodies Against Type I Interferons and Life-Threatening COVID-19 Pneumonia. <i>Journal of Clinical Immunology</i> , 2021, 41, 536-544.	3.8	62
43	BNT162b2 vaccine-induced humoral and cellular responses against SARS-CoV-2 variants in systemic lupus erythematosus. <i>Annals of the Rheumatic Diseases</i> , 2022, 81, 575-583.	0.9	61
44	Ultrasensitive serum interferon- γ quantification during SLE remission identifies patients at risk for relapse. <i>Annals of the Rheumatic Diseases</i> , 2019, 78, 1669-1676.	0.9	59
45	Cytokine Profiles in Sepsis Have Limited Relevance for Stratifying Patients in the Emergency Department: A Prospective Observational Study. <i>PLoS ONE</i> , 2011, 6, e28870.	2.5	58
46	Differential Impact of Age and Cytomegalovirus Infection on the β 1 T Cell Compartment. <i>Journal of Immunology</i> , 2013, 191, 1300-1306.	0.8	56
47	Regulatory T cells in solid organ transplantation. <i>Clinical and Translational Immunology</i> , 2020, 9, e01099.	3.8	53
48	Monitoring Disease Activity in Systemic Lupus Erythematosus With Single-Molecule Array Digital Enzyme-Linked Immunosorbent Assay Quantification of Serum Interferon- γ . <i>Arthritis and Rheumatology</i> , 2019, 71, 756-765.	5.6	51
49	Roles of CCR2 and CXCR3 in the T cell-mediated response occurring during lupus flares. <i>Arthritis and Rheumatism</i> , 2003, 48, 3487-3496.	6.7	49
50	Human Immunodeficiency Virus Type 1 Entry Inhibitors Selected on Living Cells from a Library of Phage Chemokines. <i>Journal of Virology</i> , 2003, 77, 6637-6644.	3.4	49
51	The antibody/microbiota interface in health and disease. <i>Mucosal Immunology</i> , 2020, 13, 3-11.	6.0	48
52	Distinct cytokine profiles associated with COVID-19 severity and mortality. <i>Journal of Allergy and Clinical Immunology</i> , 2021, 147, 2098-2107.	2.9	47
53	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> , 2016, 4, 1147-1157.	3.8	45
54	Massive Infiltration of the Skin by HIV-Specific Cytotoxic CD8+ T Cells. <i>New England Journal of Medicine</i> , 1996, 335, 61-62.	27.0	41

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55	Cluster analysis of arterial involvement in Takayasu arteritis reveals symmetric extension of the lesions in paired arterial beds. <i>Arthritis and Rheumatism</i> , 2011, 63, 1136-1140.	6.7	39
56	Immune Modifications in Fetal Membranes Overlying the Cervix Precede Parturition in Humans. <i>Journal of Immunology</i> , 2017, 198, 1345-1356.	0.8	39
57	Expression of \hat{V}^2 Gene Segments by Sezary Cells. <i>Journal of Investigative Dermatology</i> , 1995, 105, 56-61.	0.7	38
58	Regulatory T Cell Responses to High-Dose Methylprednisolone in Active Systemic Lupus Erythematosus. <i>PLoS ONE</i> , 2015, 10, e0143689.	2.5	37
59	Ultraviolet light converts propranolol, a nonselective \hat{I}^2 blocker and potential lupus-inducing drug, into a proinflammatory AhR ligand. <i>European Journal of Immunology</i> , 2015, 45, 3174-3187.	2.9	36
60	When Therapeutic IgA Antibodies Might Come of Age. <i>Pharmacology</i> , 2021, 106, 9-19.	2.2	36
61	Vaccine breakthrough hypoxemic COVID-19 pneumonia in patients with auto-Abs neutralizing type I IFNs. <i>Science Immunology</i> , 2023, 8, .	11.9	35
62	Immunogenicity of HIV Type 1 gp120 CD4 Binding Site Phage Mimotopes. <i>AIDS Research and Human Retroviruses</i> , 2005, 21, 82-92.	1.1	31
63	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> , 2021, 28, 3297-3315.	11.2	31
64	Characterization of Vitreous B-Cell Infiltrates in Patients with Primary Ocular Lymphoma, Using CDR3 Size Polymorphism Analysis of Antibody Transcripts. , 2003, 44, 5235.		30
65	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> , 1998, 28, 4177-4187.	2.9	28
66	High Th2 cytokine levels and upper airway inflammation in human inherited T-bet deficiency. <i>Journal of Experimental Medicine</i> , 2021, 218, .	8.5	25
67	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> , 2021, 118, .	7.1	24
68	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> , 2021, 203, 1433-1435.	5.6	23
69	Impaired respiratory burst contributes to infections in PKC \hat{I} -deficient patients. <i>Journal of Experimental Medicine</i> , 2021, 218, .	8.5	23
70	Down-regulation of CD8+ T-cell expansions in patients with human immunodeficiency virus infection receiving highly active combination therapy. <i>Blood</i> , 2001, 97, 1787-1795.	1.4	22
71	Quality control of microbiota metagenomics by k-mer analysis. <i>BMC Genomics</i> , 2015, 16, 183.	2.8	22
72	Immune/microbial interface perturbation in human IgA deficiency. <i>Gut Microbes</i> , 2019, 10, 429-433.	9.8	22

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73	Combination of IL-2, rapamycin, DNA methyltransferase and histone deacetylase inhibitors for the expansion of human regulatory T cells. <i>Oncotarget</i> , 2017, 8, 104733-104744.	1.8	20
74	Phenotypic Heterogeneity of Fulminant COVID-19-Related Myocarditis in Adults. <i>Journal of the American College of Cardiology</i> , 2022, 80, 299-312.	2.8	20
75	Multiparameter grouping delineates heterogeneous populations of human IL-17 and/or IL-22 T _H cell producers that share antigen specificities with other T _H cell subsets. <i>European Journal of Immunology</i> , 2011, 41, 2596-2605.	2.9	19
76	Phage display of peptide/major histocompatibility complex. <i>Journal of Immunological Methods</i> , 2000, 241, 147-158.	1.4	18
77	Prominent Plasmacytosis Following Intravenous Immunoglobulin Correlates with Clinical Improvement in Guillain-Barré Syndrome. <i>PLoS ONE</i> , 2008, 3, e2109.	2.5	17
78	Engineered CCR5 superagonist chemokine as adjuvant in anti-tumor DNA vaccination. <i>Vaccine</i> , 2008, 26, 3252-3260.	3.8	16
79	CD8+PD-L1+CXCR3+ polyfunctional T cell abundances are associated with survival in critical SARS-CoV-2-infected patients. <i>JCI Insight</i> , 2021, 6, .	5.0	16
80	Susceptibility of Peripheral Blood Mononuclear Cells to Apoptosis Is Correlated to Plasma HIV Load. <i>Journal of Acquired Immune Deficiency Syndromes</i> , 1998, 17, 419-423.	0.3	15
81	Perturbed Microbiota/Immune Homeostasis in Multiple Sclerosis. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2021, 8, e997.	6.0	15
82	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> , 2010, 51, 741-748.	5.8	14
83	Prognostic value of cerebrospinal fluid analysis at the time of a first demyelinating event. <i>Multiple Sclerosis Journal</i> , 2011, 17, 164-172.	3.0	14
84	Elevated Neopterin Levels Predict Fatal Outcome in SARS-CoV-2-Infected Patients. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 709893.	3.9	14
85	Gene transfer of two entry inhibitors protects CD4 ⁺ T cell from HIV-1 infection in humanized mice. <i>Gene Therapy</i> , 2016, 23, 144-150.	4.5	13
86	Tissue Infiltrating LT ₁ -Like Group 3 Innate Lymphoid Cells and T Follicular Helper Cells in Graves' and Hashimoto's Thyroiditis. <i>Frontiers in Immunology</i> , 2020, 11, 601.	4.8	13
87	Identification of bronchoalveolar and blood immune-inflammatory biomarker signature associated with poor 28-day outcome in critically ill COVID-19 patients. <i>Scientific Reports</i> , 2022, 12, .	3.3	12
88	Systemic anti-commensal response to fungi analyzed by flow cytometry is related to gut mycobiome ecology. <i>Microbiome</i> , 2020, 8, 159.	11.1	11
89	Serum interferon- λ levels and IFN type I-stimulated genes score perform equally to assess systemic lupus erythematosus disease activity. <i>Annals of the Rheumatic Diseases</i> , 2022, 81, 901-903.	0.9	11
90	Phage-displayed libraries of peptide/major histocompatibility complexes. <i>European Journal of Immunology</i> , 2004, 34, 598-607.	2.9	10

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91	HIV-specific Th2 and Th17 responses predict HIV vaccine protection efficacy. <i>Scientific Reports</i> , 2016, 6, 28129.	3.3	10
92	Metabolic Optimisation of Regulatory T Cells in Transplantation. <i>Frontiers in Immunology</i> , 2020, 11, 2005.	4.8	10
93	Pre-COVID-19 Immunity to Common Cold Human Coronaviruses Induces a Recall-Type IgG Response to SARS-CoV-2 Antigens Without Cross-Neutralisation. <i>Frontiers in Immunology</i> , 2022, 13, 790334.	4.8	10
94	The Polarity and Specificity of Antiviral T Lymphocyte Responses Determine Susceptibility to SARS-CoV-2 Infection in Patients with Cancer and Healthy Individuals. <i>Cancer Discovery</i> , 2022, 12, 958-983.	9.4	10
95	Host genetics affect microbial ecosystems via host immunity. <i>Current Opinion in Allergy and Clinical Immunology</i> , 2016, 16, 413-420.	2.3	9
96	Considering Personalized Interferon Beta Therapy for COVID-19. <i>Antimicrobial Agents and Chemotherapy</i> , 2021, 65, .	3.2	9
97	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 Intra-kinase. <i>Human Gene Therapy Methods</i> , 2014, 25, 232-240.	2.1	7
98	A comparison of Sars-Cov-2 vaccine platforms: the CoviCompare project. <i>Nature Medicine</i> , 2022, 28, 882-884.	30.7	7
99	High sequence diversity and structural conservation in the human α CD28 cell receptor β 2 junctional region during thymic development. <i>European Journal of Immunology</i> , 2013, 43, 2185-2193.	2.9	6
100	Generating Chemokine Analogs with Enhanced Pharmacological Properties Using Phage Display. <i>Methods in Enzymology</i> , 2016, 570, 47-72.	1.0	6
101	Tocilizumab in COVID-19 therapy: who benefits, and how?. <i>Lancet</i> , The, 2021, 398, 299-300.	13.7	6
102	Human lupus, fewer Treg cells indeed: Comment on the article by Venigalla et al. <i>Arthritis and Rheumatism</i> , 2009, 60, 630-630.	6.7	5
103	Dangerous T-cell amnesia. <i>Nature Medicine</i> , 1999, 5, 483-484.	30.7	4
104	Comment on "Tracking donor-reactive T cells: Evidence for clonal deletion in tolerant kidney transplant patients". <i>Science Translational Medicine</i> , 2015, 7, 297le1.	12.4	4
105	Antagonistic T-Cell Subsets in Skin Diseases. <i>New England Journal of Medicine</i> , 2011, 365, 1450-1452.	27.0	3
106	Reverse Immunology Approach to Define a New HIV-gp41-Neutralizing Epitope. <i>Journal of Immunology Research</i> , 2019, 2019, 1-13.	2.2	3
107	Properties of a disease-specific prion probe. <i>Nature Medicine</i> , 2004, 10, 11-11.	30.7	2
108	Identification of the Single Immunodominant Region of the Native Human CC Chemokine Receptor 6 Recognized by Mouse Monoclonal Antibodies. <i>PLoS ONE</i> , 2016, 11, e0157740.	2.5	2

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109	Memory CD4+ T-Cell Lymphocytic Angiopathy in Fatal Forms of COVID-19 Pulmonary Infection. <i>Frontiers in Immunology</i> , 2022, 13, 844727.	4.8	2
110	Comment on "Diversification of the antigen-specific T cell receptor repertoire after varicella zoster vaccination". <i>Science Translational Medicine</i> , 2017, 9, .	12.4	1
111	Diversification of IgA Antibody Specificities by Mild Chemical Modification?. <i>Pharmacology</i> , 2022, , 1-2.	2.2	1
112	Phenotype and function of peripheral blood and bone marrow T-cell colonies: Identification of CD3 ⁺ , 4 ⁺ , 8 ⁺ autoreactive T cells. <i>Human Immunology</i> , 1989, 24, 111-124.	2.4	0
113	Gene therapy approaches to HIV-infection immunological strategies use of T bodies and universal receptors to redirect cytolytic T-cells. <i>Frontiers in Bioscience - Landmark</i> , 1999, 4, d386-393.	3.0	0
114	Assessment of an ultra-sensitive IFN γ immunoassay prototype for latent tuberculosis diagnosis. <i>European Cytokine Network</i> , 2018, 29, 136-145.	2.0	0
115	THU0227...BIOLOGICAL MONITORING OF REMISSION IN SYSTEMIC LUPUS ERYTHEMATOSUS: ABNORMAL SERUM INTERFERON-ALPHA LEVELS PREDICT RELAPSE. , 2019, , .		0
116	Effector CD4+CD45RA ⁺ CD25 ^{bright} Foxp3 ^{bright} Regulatory T Cell (eTreg) Distribution Is Significantly Impaired in Chronic Myelomonocytic Leukemia (CMML) and Correlates with TET 2 Mutational Status.. <i>Blood</i> , 2012, 120, 2808-2808.	1.4	0
117	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). <i>Blood</i> , 2013, 122, 2785-2785.	1.4	0
118	Identification of Autoreactive Human Bone Marrow and Peripheral Blood CD3 ⁺ , CD4 ⁺ , CD8 ⁺ Prothymocytes. , 1989, , 564-566.		0
119	FRI0262...Monitoring disease activity in systemic lupus erythematosus with digital elisa quantification of serum interferon- γ . , 2018, , .		0