

Sergei B Koralov

List of Publications by Year in descending order

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62
papers

4,326
citations

159358

30
h-index

128067

60
g-index

69
all docs

69
docs citations

69
times ranked

8017
citing authors

#	ARTICLE	IF	CITATIONS
1	Dicer Ablation Affects Antibody Diversity and Cell Survival in the B Lymphocyte Lineage. <i>Cell</i> , 2008, 132, 860-874.	13.5	547
2	Enrichment of the lung microbiome with oral taxa is associated with lung inflammation of a Th17 phenotype. <i>Nature Microbiology</i> , 2016, 1, 16031.	5.9	436
3	Multiplexed detection of proteins, transcriptomes, clonotypes and CRISPR perturbations in single cells. <i>Nature Methods</i> , 2019, 16, 409-412.	9.0	364
4	IL35-Producing B Cells Promote the Development of Pancreatic Neoplasia. <i>Cancer Discovery</i> , 2016, 6, 247-255.	7.7	283
5	Methotrexate hampers immunogenicity to BNT162b2 mRNA COVID-19 vaccine in immune-mediated inflammatory disease. <i>Annals of the Rheumatic Diseases</i> , 2021, 80, 1339-1344.	0.5	202
6	STAT3 activation through IL-6/IL-11 in cancer-associated fibroblasts promotes colorectal tumour development and correlates with poor prognosis. <i>Gut</i> , 2020, 69, 1269-1282.	6.1	181
7	Lower Airway Dysbiosis Affects Lung Cancer Progression. <i>Cancer Discovery</i> , 2021, 11, 293-307.	7.7	139
8	SARS-CoV-2 exacerbates proinflammatory responses in myeloid cells through C-type lectin receptors and Tweety family member 2. <i>Immunity</i> , 2021, 54, 1304-1319.e9.	6.6	115
9	Activation of Oxidative Stress Response in Cancer Generates a Druggable Dependency on Exogenous Non-essential Amino Acids. <i>Cell Metabolism</i> , 2020, 31, 339-350.e4.	7.2	103
10	Mitochondrial Oxidative Phosphorylation Regulates the Fate Decision between Pathogenic Th17 and Regulatory T Cells. <i>Cell Reports</i> , 2020, 30, 1898-1909.e4.	2.9	103
11	Calcium Signaling Controls Pathogenic Th17 Cell-Mediated Inflammation by Regulating Mitochondrial Function. <i>Cell Metabolism</i> , 2019, 29, 1104-1118.e6.	7.2	94
12	A Comparative Analysis of SARS-CoV-2 Antivirals Characterizes 3CL ^{pro} Inhibitor PF-00835231 as a Potential New Treatment for COVID-19. <i>Journal of Virology</i> , 2021, 95, .	1.5	94
13	Simultaneous deletion of the methylcytosine oxidases Tet1 and Tet3 increases transcriptome variability in early embryogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E4236-45.	3.3	87
14	Staphylococcal enterotoxin A (SEA) stimulates STAT3 activation and IL-17 expression in cutaneous T-cell lymphoma. <i>Blood</i> , 2016, 127, 1287-1296.	0.6	86
15	Elucidating the role of interleukin-17F in cutaneous T-cell lymphoma. <i>Blood</i> , 2013, 122, 943-950.	0.6	78
16	The Xenobiotic Transporter Mdr1 Enforces T Cell Homeostasis in the Presence of Intestinal Bile Acids. <i>Immunity</i> , 2017, 47, 1182-1196.e10.	6.6	73
17	STAT3 Activation in Th17 and Th22 Cells Controls IL-22-Mediated Epithelial Host Defense during Infectious Colitis. <i>Journal of Immunology</i> , 2014, 193, 3779-3791.	0.4	71
18	Role of Dysregulated Cytokine Signaling and Bacterial Triggers in the Pathogenesis of Cutaneous T-Cell Lymphoma. <i>Journal of Investigative Dermatology</i> , 2018, 138, 1116-1125.	0.3	68

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19	Bacterial Toxins Fuel Disease Progression in Cutaneous T-Cell Lymphoma. <i>Toxins</i> , 2013, 5, 1402-1421.	1.5	66
20	An Oncogenic Role for Alternative NF- κ B Signaling in DLBCL Revealed upon Deregulated BCL6 Expression. <i>Cell Reports</i> , 2015, 11, 715-726.	2.9	66
21	Robust immune responses are observed after one dose of BNT162b2 mRNA vaccine dose in SARS-CoV-2-experienced individuals. <i>Science Translational Medicine</i> , 2022, 14, .	5.8	65
22	Staphylococcal enterotoxins stimulate lymphoma-associated immune dysregulation. <i>Blood</i> , 2014, 124, 761-770.	0.6	59
23	Antibody Repertoires Generated by VH Replacement and Direct VH to JH Joining. <i>Immunity</i> , 2006, 25, 43-53.	6.6	54
24	B-1a cells acquire their unique characteristics by bypassing the pre-BCR selection stage. <i>Nature Communications</i> , 2019, 10, 4768.	5.8	49
25	STAT5 induces miR-21 expression in cutaneous T cell lymphoma. <i>Oncotarget</i> , 2016, 7, 45730-45744.	0.8	45
26	Multimodal single-cell analysis of cutaneous T-cell lymphoma reveals distinct subclonal tissue-dependent signatures. <i>Blood</i> , 2021, 138, 1456-1464.	0.6	39
27	SATB1 in Malignant T Cells. <i>Journal of Investigative Dermatology</i> , 2018, 138, 1805-1815.	0.3	38
28	Microbiota-Dependent Involvement of Th17 Cells in Murine Models of Inflammatory Arthritis and Rheumatology, 2018, 70, 1971-1983.	2.9	37
29	miRNAs Are Essential for the Regulation of the PI3K/AKT/FOXO Pathway and Receptor Editing during B-Cell Maturation. <i>Cell Reports</i> , 2016, 17, 2271-2285.	2.9	34
30	Functional lower airways genomic profiling of the microbiome to capture active microbial metabolism. <i>European Respiratory Journal</i> , 2021, 58, 2003434.	3.1	34
31	Improving oligo-conjugated antibody signal in multimodal single-cell analysis. <i>ELife</i> , 2021, 10, .	2.8	33
32	miRNAs in B Cell Development and Lymphomagenesis. <i>Trends in Molecular Medicine</i> , 2017, 23, 721-736.	3.5	32
33	Staphylococcal alpha-toxin tilts the balance between malignant and non-malignant CD4 ⁺ T cells in cutaneous T-cell lymphoma. <i>Oncolmmunology</i> , 2019, 8, e1641387.	2.1	32
34	Direct in vivo VH to JH rearrangement violating the 12/23 rule. <i>Journal of Experimental Medicine</i> , 2005, 201, 341-348.	4.2	31
35	Augmented Th17 Differentiation Leads to Cutaneous and Synovial Inflammation in a Novel Model of Psoriatic Arthritis. <i>Arthritis and Rheumatology</i> , 2018, 70, 855-867.	2.9	29
36	MicroRNAs in the Pathogenesis, Diagnosis, Prognosis and Targeted Treatment of Cutaneous T-Cell Lymphomas. <i>Cancers</i> , 2020, 12, 1229.	1.7	28

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37	Staphylococcus aureus Leukocidins Target Endothelial DARC to Cause Lethality in Mice. Cell Host and Microbe, 2019, 25, 463-470.e9.	5.1	26
38	<i>Staphylococcus aureus</i> alpha-toxin inhibits CD8 ⁺ T cell-mediated killing of cancer cells in cutaneous T-cell lymphoma. OncoImmunology, 2020, 9, 1751561.	2.1	24
39	STAT3 Dysregulation in Mature T and NK Cell Lymphomas. Cancers, 2019, 11, 1711.	1.7	23
40	Robust immune responses are observed after one dose of BNT162b2 mRNA vaccine dose in SARS-CoV-2 experienced individuals. Science Translational Medicine, 2021, , eabi8961.	5.8	22
41	Exploiting species specificity to understand the tropism of a human-specific toxin. Science Advances, 2020, 6, eaax7515.	4.7	21
42	V _H replacement in primary immunoglobulin repertoire diversification. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E458-66.	3.3	19
43	Limited miR-17-92 overexpression drives hematologic malignancies. Leukemia Research, 2015, 39, 335-341.	0.4	19
44	Targeting leukocidin-mediated immune evasion protects mice from <i>Staphylococcus aureus</i> bacteremia. Journal of Experimental Medicine, 2020, 217, .	4.2	19
45	miR-29 Sustains B Cell Survival and Controls Terminal Differentiation via Regulation of PI3K Signaling. Cell Reports, 2020, 33, 108436.	2.9	18
46	Evidence for Environmental “Human Microbiota Transfer at a Manufacturing Facility with Novel Work-related Respiratory Disease. American Journal of Respiratory and Critical Care Medicine, 2020, 202, 1678-1688.	2.5	16
47	Staphylococcus aureus Induces Signal Transducer and Activator of Transcription 5’-Dependent miR-155 Expression in Cutaneous T-Cell Lymphoma. Journal of Investigative Dermatology, 2021, 141, 2449-2458.	0.3	15
48	Genetic variation of staphylococcal LukAB toxin determines receptor tropism. Nature Microbiology, 2021, 6, 731-745.	5.9	14
49	B Cell Defects Observed in <i>Nod2</i> Knockout Mice Are a Consequence of a <i>Dock2</i> Mutation Frequently Found in Inbred Strains. Journal of Immunology, 2018, 201, 1442-1451.	0.4	13
50	MicroRNA regulation of B cell receptor signaling. Immunological Reviews, 2021, 304, 111-125.	2.8	12
51	Distinct Requirements of CHD4 during B Cell Development and Antibody Response. Cell Reports, 2019, 27, 1472-1486.e5.	2.9	11
52	Impaired Expression of Rearranged Immunoglobulin Genes and Premature p53 Activation Block B Cell Development in BMI1 Null Mice. Cell Reports, 2019, 26, 108-118.e4.	2.9	10
53	Microbial-derived antigens and metabolites in spondyloarthritis. Seminars in Immunopathology, 2021, 43, 163-172.	2.8	10
54	Understanding Cell Lines, Patient-Derived Xenograft and Genetically Engineered Mouse Models Used to Study Cutaneous T-Cell Lymphoma. Cells, 2022, 11, 593.	1.8	6

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55	Low SATB1 Expression Promotes IL-5 and IL-9 Expression in SÅ©zary Syndrome. Journal of Investigative Dermatology, 2020, 140, 713-716.	0.3	5
56	Skin Associated Staphylococcus Aureus Contributes to Disease Progression in CTCL. Blood, 2019, 134, 659-659.	0.6	5
57	The Expression of IL-21 Is Promoted by MEKK4 in Malignant T Cells and Associated with Increased Progression Risk in Cutaneous T-Cell Lymphoma. Journal of Investigative Dermatology, 2016, 136, 866-869.	0.3	4
58	STAT3 Serine Phosphorylation and HDAC Inhibition In CTCL. Blood, 2013, 122, 3755-3755.	0.6	1
59	Role of STAT3 and Th17 Cells in Cutaneous T Cell Lymphoma. Blood, 2012, 120, 66-66.	0.6	1
60	Oncogenic fusions JAK up CD8+ cytotoxic CTCL. Blood, 2021, 138, 2311-2312.	0.6	1
61	Hyperactivable NFAT1 Ameliorates Autoimmune Encephalitis In Vivo.. Blood, 2009, 114, 711-711.	0.6	0
62	A Transgenic Murine Model Expressing Hyperactive STAT3 Recapitulates the Features of MDS/AML. Blood, 2021, 138, 3308-3308.	0.6	0