

# Sergei B Koralov

## List of Publications by Year in descending order

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Version: 2024-02-01

62  
papers

4,326  
citations

159585

30  
h-index

128289

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.   | 28.9 | 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.  | 13.3 | 436       |
| 3  | Multiplexed detection of proteins, transcriptomes, clonotypes and CRISPR perturbations in single cells. <i>Nature Methods</i> , 2019, 16, 409-412.   | 19.0 | 364       |
| 4  | IL35-Producing B Cells Promote the Development of Pancreatic Neoplasia. <i>Cancer Discovery</i> , 2016, 6, 247-255.  | 9.4  | 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.  | 0.9  | 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.  | 12.1 | 181       |
| 7  | Lower Airway Dysbiosis Affects Lung Cancer Progression. <i>Cancer Discovery</i> , 2021, 11, 293-307.   | 9.4  | 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.  | 14.3 | 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.  | 16.2 | 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.  | 6.4  | 103       |
| 11 | Calcium Signaling Controls Pathogenic Th17 Cell-Mediated Inflammation by Regulating Mitochondrial Function. <i>Cell Metabolism</i> , 2019, 29, 1104-1118.e6.   | 16.2 | 94        |
| 12 | A Comparative Analysis of SARS-CoV-2 Antivirals Characterizes 3CL <sup>pro</sup> Inhibitor PF-00835231 as a Potential New Treatment for COVID-19. <i>Journal of Virology</i> , 2021, 95, .   | 3.4  | 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. | 7.1  | 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.   | 1.4  | 86        |
| 15 | Elucidating the role of interleukin-17F in cutaneous T-cell lymphoma. <i>Blood</i> , 2013, 122, 943-950.   | 1.4  | 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.   | 14.3 | 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.  | 0.8  | 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.   | 0.7  | 68        |

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|----|--|------|-----------|
| 19 | Bacterial Toxins Fuel Disease Progression in Cutaneous T-Cell Lymphoma. <i>Toxins</i> , 2013, 5, 1402-1421.  | 3.4  | 66        |
| 20 | An Oncogenic Role for Alternative NF- $\kappa$ B Signaling in DLBCL Revealed upon Deregulated BCL6 Expression. <i>Cell Reports</i> , 2015, 11, 715-726.                            | 6.4  | 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, .       | 12.4 | 65        |
| 22 | Staphylococcal enterotoxins stimulate lymphoma-associated immune dysregulation. <i>Blood</i> , 2014, 124, 761-770.   | 1.4  | 59        |
| 23 | Antibody Repertoires Generated by VH Replacement and Direct VH to JH Joining. <i>Immunity</i> , 2006, 25, 43-53.   | 14.3 | 54        |
| 24 | B-1a cells acquire their unique characteristics by bypassing the pre-BCR selection stage. <i>Nature Communications</i> , 2019, 10, 4768.   | 12.8 | 49        |
| 25 | STAT5 induces miR-21 expression in cutaneous T cell lymphoma. <i>Oncotarget</i> , 2016, 7, 45730-45744.  | 1.8  | 45        |
| 26 | Multimodal single-cell analysis of cutaneous T-cell lymphoma reveals distinct subclonal tissue-dependent signatures. <i>Blood</i> , 2021, 138, 1456-1464.                          | 1.4  | 39        |
| 27 | SATB1 in Malignant T Cells. <i>Journal of Investigative Dermatology</i> , 2018, 138, 1805-1815.  | 0.7  | 38        |
| 28 | Microbiota-Dependent Involvement of Th17 Cells in Murine Models of Inflammatory Arthritis. <i>Arthritis and Rheumatology</i> , 2018, 70, 1971-1983.                                | 5.6  | 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.                     | 6.4  | 34        |
| 30 | Functional lower airways genomic profiling of the microbiome to capture active microbial metabolism. <i>European Respiratory Journal</i> , 2021, 58, 2003434.                      | 6.7  | 34        |
| 31 | Improving oligo-conjugated antibody signal in multimodal single-cell analysis. <i>ELife</i> , 2021, 10, .  | 6.0  | 33        |
| 32 | miRNAs in B Cell Development and Lymphomagenesis. <i>Trends in Molecular Medicine</i> , 2017, 23, 721-736.   | 6.7  | 32        |
| 33 | Staphylococcal alpha-toxin tilts the balance between malignant and non-malignant CD4 <sup>+</sup> T cells in cutaneous T-cell lymphoma. <i>Oncolmmunology</i> , 2019, 8, e1641387. | 4.6  | 32        |
| 34 | Direct in vivo VH to JH rearrangement violating the 12/23 rule. <i>Journal of Experimental Medicine</i> , 2005, 201, 341-348.  | 8.5  | 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.        | 5.6  | 29        |
| 36 | MicroRNAs in the Pathogenesis, Diagnosis, Prognosis and Targeted Treatment of Cutaneous T-Cell Lymphomas. <i>Cancers</i> , 2020, 12, 1229.   | 3.7  | 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.   | 11.0 | 26        |
| 38 | <i>Staphylococcus aureus</i> alpha-toxin inhibits CD8 <sup>+</sup> T cell-mediated killing of cancer cells in cutaneous T-cell lymphoma. OncoImmunology, 2020, 9, 1751561.                                       | 4.6  | 24        |
| 39 | STAT3 Dysregulation in Mature T and NK Cell Lymphomas. Cancers, 2019, 11, 1711.  | 3.7  | 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.                                       | 12.4 | 22        |
| 41 | Exploiting species specificity to understand the tropism of a human-specific toxin. Science Advances, 2020, 6, eaax7515.   | 10.3 | 21        |
| 42 | V <sub>H</sub> replacement in primary immunoglobulin repertoire diversification. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E458-66.                            | 7.1  | 19        |
| 43 | Limited miR-17-92 overexpression drives hematologic malignancies. Leukemia Research, 2015, 39, 335-341.  | 0.8  | 19        |
| 44 | Targeting leukocidin-mediated immune evasion protects mice from <i>Staphylococcus aureus</i> bacteremia. Journal of Experimental Medicine, 2020, 217, .  | 8.5  | 19        |
| 45 | miR-29 Sustains B Cell Survival and Controls Terminal Differentiation via Regulation of PI3K Signaling. Cell Reports, 2020, 33, 108436.  | 6.4  | 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. | 5.6  | 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.         | 0.7  | 15        |
| 48 | Genetic variation of staphylococcal LukAB toxin determines receptor tropism. Nature Microbiology, 2021, 6, 731-745.  | 13.3 | 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.                               | 0.8  | 13        |
| 50 | MicroRNA regulation of B cell receptor signaling. Immunological Reviews, 2021, 304, 111-125.   | 6.0  | 12        |
| 51 | Distinct Requirements of CHD4 during B Cell Development and Antibody Response. Cell Reports, 2019, 27, 1472-1486.e5.   | 6.4  | 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.  | 6.4  | 10        |
| 53 | Microbial-derived antigens and metabolites in spondyloarthritis. Seminars in Immunopathology, 2021, 43, 163-172.   | 6.1  | 10        |
| 54 | Understanding Cell Lines, Patient-Derived Xenograft and Genetically Engineered Mouse Models Used to Study Cutaneous T-Cell Lymphoma. Cells, 2022, 11, 593.   | 4.1  | 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.  | 0.7 | 5         |
| 56 | Skin Associated Staphylococcus Aureus Contributes to Disease Progression in CTCL. Blood, 2019, 134, 659-659.   | 1.4 | 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. | 0.7 | 4         |
| 58 | STAT3 Serine Phosphorylation and HDAC Inhibition In CTCL. Blood, 2013, 122, 3755-3755.   | 1.4 | 1         |
| 59 | Role of STAT3 and Th17 Cells in Cutaneous T Cell Lymphoma. Blood, 2012, 120, 66-66.  | 1.4 | 1         |
| 60 | Oncogenic fusions JAK up CD8+ cytotoxic CTCL. Blood, 2021, 138, 2311-2312.   | 1.4 | 1         |
| 61 | Hyperactivable NFAT1 Ameliorates Autoimmune Encephalitis In Vivo.. Blood, 2009, 114, 711-711.  | 1.4 | 0         |
| 62 | A Transgenic Murine Model Expressing Hyperactive STAT3 Recapitulates the Features of MDS/AML. Blood, 2021, 138, 3308-3308.   | 1.4 | 0         |