

Paige Lacy

List of Publications by Year in descending order

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Version: 2024-02-01

112
papers

5,210
citations

117625

34
h-index

88630

70
g-index

114
all docs

114
docs citations

114
times ranked

7041
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Eosinophils: Biological Properties and Role in Health and Disease. <i>Clinical and Experimental Allergy</i> , 2008, 38, 709-750. | 2.9 | 702 |
| 2 | Effects of Fluticasone on Systemic Markers of Inflammation in Chronic Obstructive Pulmonary Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2004, 170, 760-765. | 5.6 | 329 |
| 3 | Mechanisms of Degranulation in Neutrophils. <i>Allergy, Asthma and Clinical Immunology</i> , 2006, 2, 98-108. | 2.0 | 319 |
| 4 | Cytokine release from innate immune cells: association with diverse membrane trafficking pathways. <i>Blood</i> , 2011, 118, 9-18. | 1.4 | 296 |
| 5 | Eosinophil Cytokines, Chemokines, and Growth Factors: Emerging Roles in Immunity. <i>Frontiers in Immunology</i> , 2014, 5, 570. | 4.8 | 250 |
| 6 | Human versus mouse eosinophils: “That which we call an eosinophil, by any other name would stain as red” <i>Journal of Allergy and Clinical Immunology</i> , 2012, 130, 572-584. | 2.9 | 165 |
| 7 | Pathways for Cytokine Secretion. <i>Physiology</i> , 2010, 25, 218-229. | 3.1 | 161 |
| 8 | Granule Protein Processing and Regulated Secretion in Neutrophils. <i>Frontiers in Immunology</i> , 2014, 5, 448. | 4.8 | 155 |
| 9 | Rac2 is critical for neutrophil primary granule exocytosis. <i>Blood</i> , 2004, 104, 832-839. | 1.4 | 148 |
| 10 | Rapid Mobilization of Intracellularly Stored RANTES in Response to Interferon- γ in Human Eosinophils. <i>Blood</i> , 1999, 94, 23-32. | 1.4 | 130 |
| 11 | <i>Anaplasma phagocytophilum</i> Utilizes Multiple Host Evasion Mechanisms To Thwart NADPH Oxidase-Mediated Killing during Neutrophil Infection. <i>Infection and Immunity</i> , 2004, 72, 4772-4783. | 2.2 | 120 |
| 12 | <i>Streptococcus pneumoniae</i> and <i>Staphylococcus aureus</i> Pneumonia Induce Distinct Metabolic Responses. <i>Journal of Proteome Research</i> , 2009, 8, 3029-3036. | 3.7 | 95 |
| 13 | Metabolomics and Its Application to Acute Lung Diseases. <i>Frontiers in Immunology</i> , 2016, 7, 44. | 4.8 | 94 |
| 14 | Sputum autoantibodies in patients with severe eosinophilic asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 141, 1269-1279. | 2.9 | 93 |
| 15 | Eosinophil Extracellular Traps and Inflammatory Pathologies “Untangling the Web”. <i>Frontiers in Immunology</i> , 2018, 9, 2763. | 4.8 | 90 |
| 16 | A critical role for vesicle-associated membrane protein-7 in exocytosis from human eosinophils and neutrophils. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2006, 61, 777-784. | 5.7 | 89 |
| 17 | Primary granule exocytosis in human neutrophils is regulated by Rac-dependent actin remodeling. <i>American Journal of Physiology - Cell Physiology</i> , 2008, 295, C1354-C1365. | 4.6 | 87 |
| 18 | Homologous recombination into the eosinophil peroxidase locus generates a strain of mice expressing <i>Cre</i> recombinase exclusively in eosinophils. <i>Journal of Leukocyte Biology</i> , 2013, 94, 17-24. | 3.3 | 85 |

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|----|--|-----|-----------|
| 19 | Divergence of Mechanisms Regulating Respiratory Burst in Blood and Sputum Eosinophils and Neutrophils from Atopic Subjects. <i>Journal of Immunology</i> , 2003, 170, 2670-2679. | 0.8 | 84 |
| 20 | Intracellular Localization of Interleukin-6 in Eosinophils From Atopic Asthmatics and Effects of Interferon β . <i>Blood</i> , 1998, 91, 2508-2516. | 1.4 | 80 |
| 21 | The influence of infections on the development and severity of allergic disorders. <i>Current Opinion in Immunology</i> , 2000, 12, 632-640. | 5.5 | 80 |
| 22 | Mouse and Human Eosinophils Degranulate in Response to Platelet-Activating Factor (PAF) and LysoPAF via a PAF-Receptor-Independent Mechanism: Evidence for a Novel Receptor. <i>Journal of Immunology</i> , 2010, 184, 6327-6334. | 0.8 | 75 |
| 23 | Control of granule exocytosis in neutrophils. <i>Frontiers in Bioscience - Landmark</i> , 2008, Volume, 5559. | 3.0 | 65 |
| 24 | Human eosinophils express and release IL-13 following CD28-dependent activation. <i>Journal of Leukocyte Biology</i> , 2002, 72, 769-79. | 3.3 | 63 |
| 25 | Fusion protein vesicle-associated membrane protein 2 is implicated in IFN- γ -induced piecemeal degranulation in human eosinophils from atopic individuals. <i>Journal of Allergy and Clinical Immunology</i> , 2001, 107, 671-678. | 2.9 | 62 |
| 26 | Expression of eosinophil target SNAREs as potential cognate receptors for vesicle-associated membrane protein-2 in exocytosis. <i>Journal of Allergy and Clinical Immunology</i> , 2002, 109, 299-306. | 2.9 | 56 |
| 27 | Eosinophil activities modulate the immune/inflammatory character of allergic respiratory responses in mice. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2014, 69, 315-327. | 5.7 | 53 |
| 28 | The induction of eosinophil peroxidase release: improved methods of measurement and stimulation. <i>Journal of Immunological Methods</i> , 2004, 291, 101-108. | 1.4 | 43 |
| 29 | Sputum Antineutrophil Cytoplasmic Antibodies in Serum Antineutrophil Cytoplasmic Antibody-Negative Eosinophilic Granulomatosis with Polyangiitis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 199, 158-170. | 5.6 | 43 |
| 30 | Vesicle-associated membrane protein 7 (VAMP-7) is essential for target cell killing in a natural killer cell line. <i>Biochemical and Biophysical Research Communications</i> , 2008, 366, 617-623. | 2.1 | 40 |
| 31 | A sensitive high throughput ELISA for human eosinophil peroxidase: A specific assay to quantify eosinophil degranulation from patient-derived sources. <i>Journal of Immunological Methods</i> , 2012, 384, 10-20. | 1.4 | 38 |
| 32 | Signal Intensities Derived from Different NMR Probes and Parameters Contribute to Variations in Quantification of Metabolites. <i>PLoS ONE</i> , 2014, 9, e85732. | 2.5 | 38 |
| 33 | Immune effector functions of eosinophils in allergic airway inflammation. <i>Current Opinion in Allergy and Clinical Immunology</i> , 2001, 1, 79-84. | 2.3 | 37 |
| 34 | The role of Rho GTPases and SNAREs in mediator release from granulocytes. , 2005, 107, 358-376. | | 36 |
| 35 | NMR analysis of neutrophil activation in sputum samples from patients with cystic fibrosis. <i>Magnetic Resonance in Medicine</i> , 2004, 52, 807-814. | 3.0 | 34 |
| 36 | The development of a sensitive and specific ELISA for mouse eosinophil peroxidase: Assessment of eosinophil degranulation ex vivo and in models of human disease. <i>Journal of Immunological Methods</i> , 2012, 375, 138-147. | 1.4 | 34 |

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|----|--|-----|-----------|
| 37 | Editorial: Secretion of Cytokines and Chemokines by Innate Immune Cells. <i>Frontiers in Immunology</i> , 2015, 6, 190. | 4.8 | 33 |
| 38 | Exocytotic events in eosinophils and mast cells. <i>Clinical and Experimental Allergy</i> , 1999, 29, 1017-1022. | 2.9 | 32 |
| 39 | Immune effector functions of eosinophils in allergic airway inflammation. <i>Current Opinion in Allergy and Clinical Immunology</i> , 2001, 1, 79-84. | 2.3 | 32 |
| 40 | Regulation of inflammation by Rac2 in immune complex-mediated acute lung injury. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2009, 297, L1091-L1102. | 2.9 | 32 |
| 41 | Metabolomics of sepsis-induced acute lung injury: a new approach for biomarkers. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2011, 300, L1-L3. | 2.9 | 31 |
| 42 | Mast Cell Trypsin Activates Peripheral Blood Eosinophils to Release Granule-Associated Enzymes. <i>International Archives of Allergy and Immunology</i> , 2004, 135, 196-204. | 2.1 | 29 |
| 43 | Improved recovery of functionally active eosinophils and neutrophils using novel immunomagnetic technology. <i>Journal of Immunological Methods</i> , 2017, 449, 44-55. | 1.4 | 29 |
| 44 | Rac2 is involved in bleomycin-induced lung inflammation leading to pulmonary fibrosis. <i>Respiratory Research</i> , 2014, 15, 71. | 3.6 | 28 |
| 45 | Biologics in Asthma: A Molecular Perspective to Precision Medicine. <i>Frontiers in Pharmacology</i> , 2021, 12, 793409. | 3.5 | 28 |
| 46 | Inhibition of nonspecific binding of fluorescent-labelled antibodies to human eosinophils. <i>Journal of Immunological Methods</i> , 1998, 217, 113-119. | 1.4 | 27 |
| 47 | Expression and translocation of Rac2 in eosinophils during superoxide generation. <i>Immunology</i> , 1999, 98, 244-252. | 4.4 | 26 |
| 48 | Neutrophil primary granule release and maximal superoxide generation depend on Rac2 in a common signalling pathway. <i>Canadian Journal of Physiology and Pharmacology</i> , 2005, 83, 69-75. | 1.4 | 25 |
| 49 | Immunofluorescence analysis of cytokine and granule protein expression during eosinophil maturation from cord blood-derived CD34+ progenitors. <i>Journal of Allergy and Clinical Immunology</i> , 2000, 105, 1178-1184. | 2.9 | 23 |
| 50 | Eosinophil function in allergic inflammation: From bone marrow to tissue response. <i>Current Allergy and Asthma Reports</i> , 2004, 4, 149-158. | 5.3 | 23 |
| 51 | An essential role for Rab27a GTPase in eosinophil exocytosis. <i>Journal of Leukocyte Biology</i> , 2013, 94, 1265-1274. | 3.3 | 23 |
| 52 | New concepts in effector functions of eosinophil cytokines. <i>Clinical and Experimental Allergy</i> , 2000, 30, 1667-1671. | 2.9 | 22 |
| 53 | Agonist Activation of F-Actin-Mediated Eosinophil Shape Change and Mediator Release Is Dependent on Rac2. <i>International Archives of Allergy and Immunology</i> , 2011, 156, 137-147. | 2.1 | 22 |
| 54 | Neutrophils promote T-cell activation through the regulated release of CD44-bound Galectin-9 from the cell surface during HIV infection. <i>PLoS Biology</i> , 2021, 19, e3001387. | 5.6 | 20 |

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|----|--|-----|-----------|
| 55 | Rac1 and Rac2 control distinct events during antigen-stimulated mast cell exocytosis. <i>Journal of Leukocyte Biology</i> , 2014, 95, 763-774. | 3.3 | 19 |
| 56 | Vesicle-associated membrane protein 7-mediated eosinophil degranulation promotes allergic airway inflammation in mice. <i>Communications Biology</i> , 2018, 1, 83. | 4.4 | 18 |
| 57 | Interleukin-4 and RANTES expression in maturing eosinophils derived from human cord blood CD34+ progenitors. <i>Immunology</i> , 2000, 101, 419-425. | 4.4 | 17 |
| 58 | Mechanisms of eosinophil recruitment and activation. <i>Current Allergy and Asthma Reports</i> , 2002, 2, 107-116. | 5.3 | 17 |
| 59 | The Rho GTPase Rac1 is required for recycling endosome-mediated secretion of TNF in macrophages. <i>Immunology and Cell Biology</i> , 2014, 92, 275-286. | 2.3 | 17 |
| 60 | Interleukin-5 drives glycolysis and reactive oxygen species-dependent citric acid cycling by eosinophils. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020, 75, 1361-1370. | 5.7 | 17 |
| 61 | Eosinophil Overview: Structure, Biological Properties, and Key Functions. <i>Methods in Molecular Biology</i> , 2014, 1178, 1-12. | 0.9 | 17 |
| 62 | Replenishment of RANTES mRNA expression in activated eosinophils from atopic asthmatics. <i>Immunology</i> , 2000, 99, 591-599. | 4.4 | 17 |
| 63 | Identification of Human Eosinophils in Whole Blood by Flow Cytometry. <i>Methods in Molecular Biology</i> , 2014, 1178, 81-92. | 0.9 | 15 |
| 64 | Eosinophil Cytokines in Allergy. , 2017, , 173-218. | | 14 |
| 65 | Sputum analysis in diagnosis and management of obstructive airway diseases. <i>Therapeutics and Clinical Risk Management</i> , 2005, 1, 169-79. | 2.0 | 14 |
| 66 | Cyclin-dependent kinase 5 regulates degranulation in human eosinophils. <i>Immunology</i> , 2015, 144, 641-648. | 4.4 | 13 |
| 67 | Non-Malignant Respiratory Illnesses in Association with Occupational Exposure to Asbestos and Other Insulating Materials: Findings from the Alberta Insulator Cohort. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 7085. | 2.6 | 13 |
| 68 | Proteomic analysis of secretagogue-stimulated neutrophils implicates a role for actin and actin-interacting proteins in Rac2-mediated granule exocytosis. <i>Proteome Science</i> , 2011, 9, 70. | 1.7 | 12 |
| 69 | Calcitriol Reduces Eosinophil Necrosis Which Leads to the Diminished Release of Cytotoxic Granules. <i>International Archives of Allergy and Immunology</i> , 2016, 171, 119-129. | 2.1 | 12 |
| 70 | A report from the International Eosinophil Society: Eosinophils in a tug of war. <i>Journal of Allergy and Clinical Immunology</i> , 2001, 108, 895-900. | 2.9 | 11 |
| 71 | Assessment of ¹ H NMR-based metabolomics analysis for normalization of urinary metals against creatinine. <i>Clinica Chimica Acta</i> , 2017, 464, 37-43. | 1.1 | 11 |
| 72 | Eosinophil Shape Change and Secretion. <i>Methods in Molecular Biology</i> , 2014, 1178, 111-128. | 0.9 | 11 |

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|----|--|-----|-----------|
| 73 | Molecular Mechanisms in Eosinophil Activation. , 2000, 78, 189-198. | | 10 |
| 74 | Effects of Clarithromycin on Inflammatory Cell Mediator Release and Survival. <i>Chemotherapy</i> , 2005, 51, 206-210. | 1.6 | 10 |
| 75 | Eosinophil peroxidase oxidizes isoniazid to form the active metabolite against <i>M. tuberculosis</i> , isoniazid-NAD ⁺ . <i>Chemico-Biological Interactions</i> , 2019, 305, 48-53. | 4.0 | 9 |
| 76 | 28 days later: eosinophils stop viruses. <i>Blood</i> , 2014, 123, 609-611. | 1.4 | 5 |
| 77 | Sputum autoantibody-mediated macrophage dysfunction in severe eosinophilic asthmatics with recurrent infections. <i>Journal of Allergy and Clinical Immunology</i> , 2019, 143, AB189. | 2.9 | 5 |
| 78 | Short-Term Acute Exposure to Wildfire Smoke and Lung Function among Royal Canadian Mounted Police (RCMP) Officers. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 11787. | 2.6 | 5 |
| 79 | A new way of trapping bugs: neutrophil microvesicles. <i>Blood</i> , 2013, 121, 420-421. | 1.4 | 4 |
| 80 | Comparison of computational approaches for identification and quantification of urinary metabolites in ¹ H NMR spectra. <i>Analytical Methods</i> , 2018, 10, 2129-2137. | 2.7 | 4 |
| 81 | Cytokine trafficking of IL-9 and IL-13 through TfnRc ⁺ vesicles in activated human eosinophils. <i>Journal of Leukocyte Biology</i> , 2021, 109, 753-762. | 3.3 | 4 |
| 82 | Structural and posttranslational analysis of human calcium-binding protein, spermatid-associated 1. <i>Journal of Cellular Biochemistry</i> , 2020, 121, 4945-4958. | 2.6 | 3 |
| 83 | Eosinophil Shape Change and Secretion. <i>Methods in Molecular Biology</i> , 2021, 2241, 199-219. | 0.9 | 3 |
| 84 | Biology of Eosinophils. , 2009, , 295-310. | | 3 |
| 85 | Intracellular Localization of Interleukin-6 in Eosinophils From Atopic Asthmatics and Effects of Interferon γ . <i>Blood</i> , 1998, 91, 2508-2516. | 1.4 | 3 |
| 86 | Inhibition of neutrophil respiratory burst and degranulation responses by CVT-E002, the main active ingredient in COLD-FX. <i>Allergy, Asthma and Clinical Immunology</i> , 2011, 7, . | 2.0 | 2 |
| 87 | Trafficking of TNF via recycling endosomes in neutrophils. <i>Allergy, Asthma and Clinical Immunology</i> , 2014, 10, . | 2.0 | 2 |
| 88 | Pathogenic Autoantibodies in Patients with Severe Asthma and Sputum Eosinophils. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 137, AB409. | 2.9 | 2 |
| 89 | Assessment of Lung Eosinophils In Situ Using Immunohistological Staining. <i>Methods in Molecular Biology</i> , 2021, 2223, 237-266. | 0.9 | 2 |
| 90 | Role of Living Conditions and Socioenvironmental Factors on Chronotype in Adolescents. <i>Adolescents</i> , 2021, 1, 95-107. | 0.8 | 2 |

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|-----|--|-----|-----------|
| 91 | Molecular Biology of Eosinophils: Introduction. <i>Methods in Molecular Biology</i> , 2021, 2241, 1-14. | 0.9 | 2 |
| 92 | Gr1 makes an unexpected cameo appearance in eosinophils. <i>Journal of Leukocyte Biology</i> , 2020, 107, 363-365. | 3.3 | 2 |
| 93 | The Influence of Artificial Light at Night on Asthma and Allergy, Mental Health, and Cancer Outcomes: A Systematic Scoping Review Protocol. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 8522. | 2.6 | 2 |
| 94 | Salt-soluble collagen and elastin in the human aorta and pulmonary artery. <i>Experimental and Molecular Pathology</i> , 1991, 55, 25-29. | 2.1 | 1 |
| 95 | Dataset of urinary metabolites measured by 1 H NMR analysis of normal human urine. <i>Data in Brief</i> , 2017, 10, 227-229. | 1.0 | 1 |
| 96 | Regulatory Mechanisms in Neutrophil Degranulation. , 2018, , 191-210. | | 1 |
| 97 | Functionally Active Eosinophil Purification from Peripheral Blood. <i>Methods in Molecular Biology</i> , 2021, 2241, 15-25. | 0.9 | 1 |
| 98 | Late Breaking Abstract - Analysis of chronic occupational exposure in non-smoking insulators. , 2018, , . | | 1 |
| 99 | Chronic effects of occupational exposure to mineral fibres and recurrent chest infections in insulators. <i>ERJ Open Research</i> , 2022, 8, 00095-2022. | 2.6 | 1 |
| 100 | Tracing Intracellular Mediator Storage and Mobilization in Eosinophils. , 2001, 56, 367-381. | | 0 |
| 101 | Fluticasone Reduces CRP in COPD. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2005, 171, 1191-1192. | 5.6 | 0 |
| 102 | Dendritic cells thrive on Rac1. <i>Blood</i> , 2005, 105, 433-433. | 1.4 | 0 |
| 103 | Rac2 Function in Eosinophil Superoxide Generation and Allergic Airway Inflammation. <i>Journal of Allergy and Clinical Immunology</i> , 2008, 121, S42-S43. | 2.9 | 0 |
| 104 | Mutations in CCR3 render it missing in action. <i>Journal of Allergy and Clinical Immunology</i> , 2010, 126, 158-159. | 2.9 | 0 |
| 105 | Neutrophil Effector Responses Are Inhibited By CVT-E002, The Active Ingredient Of COLD-FX. , 2012, , . | | 0 |
| 106 | Calcitriol reduces eosinophil cytolysis and release of cytotoxic granules in vitro. <i>Allergy, Asthma and Clinical Immunology</i> , 2014, 10, . | 2.0 | 0 |
| 107 | The SNARE VAMP-7 Contributes To Eosinophil Degranulation, In Vivo. <i>Journal of Allergy and Clinical Immunology</i> , 2014, 133, AB159. | 2.9 | 0 |
| 108 | AllerGen™s 8th research conference. <i>Allergy, Asthma and Clinical Immunology</i> , 2016, 12, . | 2.0 | 0 |

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| 109 | Editorial: Searching for definitive evidence of the role of eosinophils in lung disease: are we there yet?. <i>Journal of Leukocyte Biology</i> , 2017, 102, 571-573. | 3.3 | 0 |
| 110 | Asbestos-Related Lung Disease in Industrial Workers That Have Never Reported Exposure to Asbestos?. , 2020, , . | | 0 |
| 111 | Longitudinal analysis of chronic occupational exposure in insulators. , 2019, , . | | 0 |
| 112 | Occupational exposure to ceramic fibers and respiratory health among insulators. , 2020, , . | | 0 |