RESEARCH & PUBLICATIONS

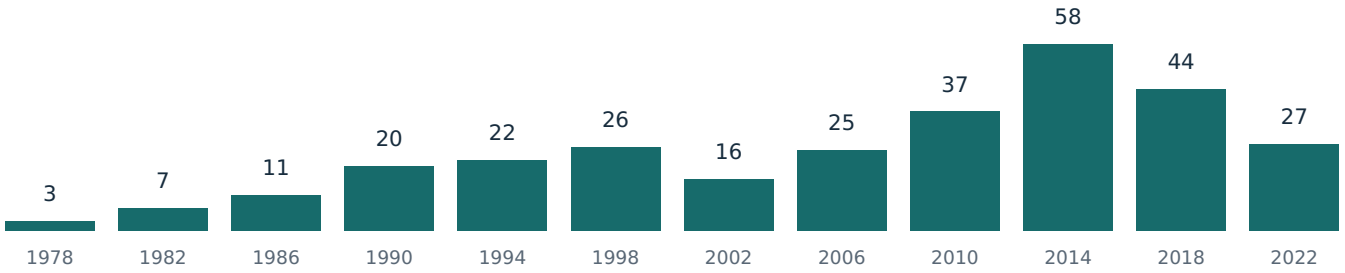
Robert P Schleimer

A publication record at a glance

296	25,376	90
ARTICLES	CITATIONS	h-INDEX

PUBLICATION ACTIVITY

Articles grouped into 4-year periods



MOST CITED IN THIS LIST

Prevalence and Severity of Food Allergies Among US Adults — 973
2019 JAMA Network Open

IL-4 Induces Adherence of Human Eosinophils and Basophils but Not Neutrophils to Endothelium. Association With Expression of VCAM-1. — 744
1992 Journal of Immunology

Adhesion of Human Basophils, Eosinophils, and Neutrophils to Interleukin 1-Activated Human Vascular Endothelial Cells: Contributions of Endothelial Cell Adhesion Molecules. — 650
1991 Journal of Experimental Medicine

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Ordered by publication year, newest first

2025

01 **Sex Differences in Healthcare Utilization for Chronic Rhinosinusitis: A Prospective Cohort Study**

0 citations

BMC Health Services Research · 25, 1-10

https://exaly.com/article/201082694

2024

02 **Reply to “Correspondence to ‘Association Between Chronic Rhinosinusitis and New Onset Asthma Implications for Prevention’”**

0 citations

Allergy: European Journal of Allergy and Clinical Immunology · 79, 1394-1395

https://exaly.com/article/173928219

03 **IL-22Ra2 Levels Remain Elevated in People With Cystic Fibrosis Despite Modulator Therapy.**

2 citations

American Journal of Respiratory and Critical Care Medicine · 210, 1158-1161

https://exaly.com/article/188713568

2023

04 **Evidence That Oncostatin M Synergizes With IL-4 Signaling to Induce TSLP Expression in Chronic Rhinosinusitis With Nasal Polyps**

27 citations

Journal of Allergy and Clinical Immunology · 151, 1379-1390.e11

https://exaly.com/article/158453282

05 **Risk of New-Onset and Prevalent Disease in Chronic Rhinosinusitis: A Prospective Cohort Study**

11 citations

International Forum of Allergy and Rhinology · 13, 1715-1725

https://exaly.com/article/159487059

06 **The Genetic Determinants of Recurrent Somatic Mutations in 43,693 Blood Genomes**

11 citations

Science Advances · 9, eabm4945

https://exaly.com/article/162725618

07 **Sinus Inflammation and Chronic Rhinosinusitis Are Associated With a Diagnosis of New Onset Asthma in the Following Year**

22 citations

Allergy: European Journal of Allergy and Clinical Immunology · 78, 2659-2668

https://exaly.com/article/163305060

08 **Siglecs as Potential Targets of Therapy in Human Mast Cell- And/Or Eosinophil-Associated Diseases**

21 citations

Seminars in Immunology · 69, 101799

https://exaly.com/article/164861407

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2023 / continued

09 **Epigenetic Responses to Rhinovirus Exposure in Airway Epithelial Cells Are Correlated With Key Transcriptional Pathways in Chronic Rhinosinusitis**

10 citations

Allergy: European Journal of Allergy and Clinical Immunology · 78, 2698-2711

https://exaly.com/article/167548729

2022

10 **Regulation of the Expression of SARS-CoV-2 Receptor Angiotensin-Converting Enzyme 2 in Nasal Mucosa**

27 citations

American Journal of Rhinology and Allergy · 36, 115-122

https://exaly.com/article/81460859

11 **Endotypes of Chronic Rhinosinusitis: Relationships to Disease Phenotypes, Pathogenesis, Clinical Findings, and Treatment Approaches**

285 citations

Allergy: European Journal of Allergy and Clinical Immunology · 77, 812-826

https://exaly.com/article/82273321

12 **T Cells and Group 2 Innate Lymphoid Cells 2**

0 citations

Journal unavailable

https://exaly.com/article/123718063

13 **Microbiology**

0 citations

Journal unavailable

https://exaly.com/article/125098114

14 **Elevated Serum Leptin Levels in Patients With Eosinophilic Chronic Rhinosinusitis**

17 citations

Frontiers in Pharmacology · 12, 793607

https://exaly.com/article/125201298

15 **Studies on Activation and Regulation of the Coagulation Cascade in Chronic Rhinosinusitis With Nasal Polyps**

8 citations

Journal of Allergy and Clinical Immunology · 150, 467-476.e1

https://exaly.com/article/134605534

16 **Prognostic Factors for Polyp Recurrence in Chronic Rhinosinusitis With Nasal Polyps**

128 citations

Journal of Allergy and Clinical Immunology · 150, 352-361.e7

https://exaly.com/article/134615108

17 **Strong and Consistent Associations of Precedent Chronic Rhinosinusitis With Risk of Non–Cystic Fibrosis Bronchiectasis**

29 citations

Journal of Allergy and Clinical Immunology · 150, 701-708.e4

https://exaly.com/article/134628442

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2022 / continued

18 **Anti-Phospholipid Antibodies Are Elevated and Functionally Active in Chronic Rhinosinusitis With Nasal Polyps**
10 citations
Clinical and Experimental Allergy · 52, 954-964
https://exaly.com/article/134759293

19 **Mechanisms and Pathogenesis of Chronic Rhinosinusitis**
298 citations
Journal of Allergy and Clinical Immunology · 149, 1491-1503
https://exaly.com/article/134812483

20 **Use of Intraoperative Frontal Sinus Mometasone-Eluting Stents Decreased Interleukin 5 and Interleukin 13 in Patients With Chronic Rhinosinusitis With Nasal Polyps**
9 citations
International Forum of Allergy and Rhinology · 12, 1330-1339
https://exaly.com/article/134977151

21 **CRS-PRO and SNOT-22 Correlations With Type 2 Inflammatory Mediators in Chronic Rhinosinusitis**
23 citations
International Forum of Allergy and Rhinology · 12, 1377-1386
https://exaly.com/article/135013559

22 **Elevation of Activated Neutrophils in Chronic Rhinosinusitis With Nasal Polyps**
60 citations
Journal of Allergy and Clinical Immunology · 149, 1666-1674
https://exaly.com/article/135283439

23 **The Journal of Immunology | Oxford Academic**
6 citations
Journal of Immunology · 208, 2390-2402
https://exaly.com/article/144963435

24 **Nasal Secretion Tissue Plasminogen Activator: A Novel Effective Predictor of Nasal Polyp Recurrence**
10 citations
Journal of Allergy and Clinical Immunology: in Practice · 10, 2191-2194.e3
https://exaly.com/article/145262261

25 **Efficacy of an Oral CRTH2 Antagonist (AZD1981) in the Treatment of Chronic Rhinosinusitis With Nasal Polyps in Adults: A Randomized Controlled Clinical Trial**
15 citations
Clinical and Experimental Allergy · 52, 859-867
https://exaly.com/article/145290181

26 **Suppression of Allergic Asthma by Loss of Function of Miz1-Mediated Th1 Skewing**
8 citations
American Journal of Respiratory Cell and Molecular Biology · 67, 346-359
https://exaly.com/article/148961583

27 **In Lasting Tribute: Lawrence M. Lichtenstein, May 31, 1934, to August 5, 2022**
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Journal of Allergy and Clinical Immunology · 150, 1031-1032
https://exaly.com/article/155995723

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2021

28 **Activation of the 15-Lipoxygenase Pathway in Aspirin-Exacerbated Respiratory Disease**
86 citations
Journal of Allergy and Clinical Immunology · 147, 600-612
https://exaly.com/article/77687098

29 **Mechanisms and Biomarkers of Inflammatory Endotypes in Chronic Rhinosinusitis Without Nasal Polyps**
118 citations
Journal of Allergy and Clinical Immunology · 147, 1306-1317
https://exaly.com/article/77951619

30 **Mast Cell and Eosinophil Activation Are Associated With COVID-19 and TLR-Mediated Viral Inflammation: Implications for an Anti-Siglec-8 Antibody**
105 citations
Frontiers in Immunology · 12, 650331
https://exaly.com/article/79366826

31 **Targetable Pathogenic Mechanisms in Nasal Polyposis**
9 citations
International Forum of Allergy and Rhinology · 11, 1220-1234
https://exaly.com/article/79369236

32 **Prevalence and Characteristics of Peanut Allergy in US Adults**
66 citations
Journal of Allergy and Clinical Immunology · 147, 2263-2270.e5
https://exaly.com/article/80929282

33 **Studies of the Role of Basophils in Aspirin-Exacerbated Respiratory Disease Pathogenesis**
37 citations
Journal of Allergy and Clinical Immunology · 148, 439-449.e5
https://exaly.com/article/81797721

34 **The Journal of Immunology | Oxford Academic**
19 citations
Journal of Immunology · 207, 1275-1287
https://exaly.com/article/81817715

35 **Prevalence of Bronchiectasis in Patients With Chronic Rhinosinusitis in a Tertiary Care Center**
28 citations
Journal of Allergy and Clinical Immunology: in Practice · 9, 3188-3195.e2
https://exaly.com/article/81909946

36 **Impact of Type 2 Targeting Biologics on Acute Exacerbations of Chronic Rhinosinusitis**
18 citations
Allergy and Asthma Proceedings · 42, 417-424
https://exaly.com/article/82135608

37 **Discovery, Function, and Therapeutic Targeting of Siglec-8**
85 citations
Cells · 10, 19
https://exaly.com/article/89011636

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2021 / continued

38 **Multi-Omics Colocalization With Genome-Wide Association Studies Reveals a Context-Specific Genetic Mechanism at a Childhood Onset Asthma Risk Locus**

41 citations

Genome Medicine · 13, 1-22

https://exaly.com/article/91245800

39 **Epithelial-Cell-Derived Extracellular Vesicles in Pathophysiology of Epithelial Injury and Repair in Chronic Rhinosinusitis: Connecting Immunology in Research Lab to Biomarkers in Clinics**

12 citations

International Journal of Molecular Sciences · 22, 11709

https://exaly.com/article/118454241

2020

40 **TNF Induces Production of Type 2 Cytokines in Human Group 2 Innate Lymphoid Cells**

8 citations

Journal of Allergy and Clinical Immunology · 145, 437-440.e8

https://exaly.com/article/74993739

41 **Role of RANK-L as a Potential Inducer of ILC2-Mediated Type 2 Inflammation in Chronic Rhinosinusitis With Nasal Polyps**

46 citations

Mucosal Immunology · 13, 86-95

https://exaly.com/article/75020137

42 **Radiologic Sinus Inflammation and Symptoms of Chronic Rhinosinusitis in a Population-Based Sample**

51 citations

Allergy: European Journal of Allergy and Clinical Immunology · 75, 911-920

https://exaly.com/article/75140208

43 **Development and Preliminary Validation of a New Patient-Reported Outcome Measure for Chronic Rhinosinusitis (CRS-PRO)**

37 citations

Journal of Allergy and Clinical Immunology: in Practice · 8, 2341-2350.e1

https://exaly.com/article/75621306

44 **Association of Chronic Rhinosinusitis With High Microbiome Dissimilarity Among Different Patients and Within Individuals Over Time**

4 citations

Annals of Allergy, Asthma and Immunology · 125, 597-599

https://exaly.com/article/75912029

45 **Adult Chronic Rhinosinusitis**

323 citations

Nature Reviews Disease Primers · 6, 1-19

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2020 / continued

46 **Integrin β6 Microparticles in Nasal Lavage Fluids; Potential New Biomarkers for Basal Cell Activation in Chronic Rhinosinusitis**

Allergy: European Journal of Allergy and Clinical Immunology · 75, 3261-3264

https://exaly.com/article/76716699

7 citations

47 **Prevalence and Characterization of Asthma in Hospitalized and Nonhospitalized Patients With COVID-19**

Journal of Allergy and Clinical Immunology · 146, 307-314.e4

https://exaly.com/article/76836552

253 citations

48 **Formation of Nasal Polyps: The Roles of Innate Type 2 Inflammation and Deposition of Fibrin**

Journal of Allergy and Clinical Immunology · 145, 740-750

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166 citations

49 **Clinical Research Needs for the Management of Chronic Rhinosinusitis With Nasal Polyps in the New Era of Biologics: A National Institute of Allergy and Infectious Diseases Workshop**

Journal of Allergy and Clinical Immunology: in Practice · 8, 1532-1549.e1

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48 citations

50 **A New Approach to Categorization of Radiologic Inflammation in Chronic Rhinosinusitis**

PLoS ONE · 15, e0235432

https://exaly.com/article/77086323

5 citations

51 **Responsiveness and Convergent Validity of a New Patient-Reported Outcome Measure for Chronic Rhinosinusitis (CRS-PRO)**

Journal of Allergy and Clinical Immunology: in Practice · 8, 2351-2359.e2

https://exaly.com/article/77184011

22 citations

52 **Common Fibrin Deposition and Tissue Plasminogen Activator Downregulation in Nasal Polyps With Distinct Inflammatory Endotypes**

Journal of Allergy and Clinical Immunology · 146, 677-681

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33 citations

53 **Clinical Factors Associated With Acute Exacerbations of Chronic Rhinosinusitis.**

Journal of Allergy and Clinical Immunology · 145, 1598-1605

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37 citations

54 **Eosinophil–Endothelial Interactions and Transendothelial Migration**

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2019

55 **Increased Expression of L-Plastin in Nasal Polyp of Patients With Nonsteroidal Anti-Inflammatory Drug-Exacerbated Respiratory Disease**
22 citations
Allergy: European Journal of Allergy and Clinical Immunology · 74, 1307-1316
https://exaly.com/article/70396185

56 **Associations Between Inflammatory Endotypes and Clinical Presentations in Chronic Rhinosinusitis**
438 citations
Journal of Allergy and Clinical Immunology: in Practice · 7, 2812-2820.e3
https://exaly.com/article/72231311

57 **Prevalence and Characterization of Chronic Rhinosinusitis in Patients With Non–Cystic Fibrosis Bronchiectasis at a Tertiary Care Center in the United States**
27 citations
International Forum of Allergy and Rhinology · 9, 1424-1429
https://exaly.com/article/72274229

58 **Increased Thrombin-Activatable Fibrinolysis Inhibitor Levels in Patients With Chronic Rhinosinusitis With Nasal Polyps**
29 citations
Journal of Allergy and Clinical Immunology · 144, 1566-1574.e6
https://exaly.com/article/72326794

59 **Workplace Indirect Cost Impacts of Nasal and Sinus Symptoms and Related Conditions**
7 citations
Journal of Occupational and Environmental Medicine · 61, e333
https://exaly.com/article/74340892

60 **Clinical Characteristics of Patients With Chronic Rhinosinusitis Without Nasal Polyps in an Academic Setting**
131 citations
Journal of Allergy and Clinical Immunology: in Practice · 7, 1010-1016
https://exaly.com/article/74589149

61 **Prevalence and Severity of Food Allergies Among US Adults**
973 citations
JAMA Network Open · 2, e185630-e185630
https://exaly.com/article/74646125

62 **Pathophysiologic Mechanisms of Chronic Rhinosinusitis and Their Roles in Emerging Disease Endotypes**
130 citations
Annals of Allergy, Asthma and Immunology · 122, 33-40
https://exaly.com/article/74740024

63 **The Role of Adhesion Molecules and Cytokines in Eosinophil Recruitment**
0 citations
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2018

64 Mast Cell–Derived Plasminogen Activator Inhibitor Type 1 Promotes Airway Inflammation and Remodeling in a Murine Model of Asthma

16 citations

Journal of Allergy and Clinical Immunology · 142, 294-297.e5

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65 Longitudinal Evaluation of Chronic Rhinosinusitis Symptoms in a Population-Based Sample

18 citations

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66 Asthma Onset Pattern and Patient Outcomes in a Chronic Rhinosinusitis Population

44 citations

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https://exaly.com/article/69216897

67 Pathogenic and Protective Roles of B Cells and Antibodies in Patients With Chronic Rhinosinusitis

40 citations

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https://exaly.com/article/69257039

68 The Nasal Microbiome in Patients With Chronic Rhinosinusitis: Analyzing the Effects of Atopy and Bacterial Functional Pathways in 111 Patients

68 citations

Journal of Allergy and Clinical Immunology · 142, 287-290.e4

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69 IL-10, TGF-β, and Glucocorticoid Prevent the Production of Type 2 Cytokines in Human Group 2 Innate Lymphoid Cells

49 citations

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70 Epithelial Activators of Type 2 Inflammation: Elevation of Thymic Stromal Lymphopoietin, but Not IL-25 or IL-33, in Chronic Rhinosinusitis With Nasal Polyps in Chicago, Illinois

50 citations

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17 citations

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72 **Proprotein Convertases Generate a Highly Functional Heterodimeric Form of Thymic Stromal Lymphopoietin in Humans**
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Journal of Allergy and Clinical Immunology · 139, 1559-1567.e8
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73 **The Clinical Significance of Specific Antibody Deficiency (SAD) Severity in Chronic Rhinosinusitis (CRS)**
52 citations
Journal of Allergy and Clinical Immunology: in Practice · 5, 1105-1111
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74 **Clinical Characteristics of Patients With Chronic Rhinosinusitis With Nasal Polyps, Asthma, and Aspirin-Exacerbated Respiratory Disease**
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75 **Microparticles in Nasal Lavage Fluids in Chronic Rhinosinusitis: Potential Biomarkers for Diagnosis of Aspirin-Exacerbated Respiratory Disease**
42 citations
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https://exaly.com/article/66082712

76 **Sleep Disruption in Chronic Rhinosinusitis**
54 citations
Expert Review of Anti-Infective Therapy · 15, 457-465
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77 **Potential Involvement of the Epidermal Growth Factor Receptor Ligand Epiregulin and Matrix Metalloproteinase-1 in Pathogenesis of Chronic Rhinosinusitis**
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https://exaly.com/article/66181738

78 **Group 2 Innate Lymphoid Cells Are Elevated and Activated in Chronic Rhinosinusitis With Nasal Polyps**
131 citations
Immunity, Inflammation and Disease · 5, 233-243
https://exaly.com/article/66268705

79 **Risk of Obstructive Sleep Apnea in African American Patients With Chronic Rhinosinusitis**
37 citations
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https://exaly.com/article/66300516

80 **Evidence for Altered Levels of IgD in the Nasal Airway Mucosa of Patients With Chronic Rhinosinusitis**
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81 **Etiology of Epithelial Barrier Dysfunction in Patients With Type 2 Inflammatory Diseases**
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https://exaly.com/article/66436545

82 **Regulatory T-Cell Populations in Children Are Affected by Age and Food Allergy Diagnosis.**
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83 **Superior Turbinate Eosinophilia Correlates With Olfactory Deficit in Chronic Rhinosinusitis Patients**
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84 **Evaluating Metrics of Responsiveness Using Patient-Reported Outcome Measures in Chronic Rhinosinusitis**
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85 **Neutrophils Are a Major Source of the Epithelial Barrier Disrupting Cytokine Oncostatin M in Patients With Mucosal Airways Disease**
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86 **Immunopathogenesis of Chronic Rhinosinusitis and Nasal Polyposis**
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87 **Classical Complement Pathway Activation in the Nasal Tissue of Patients With Chronic Rhinosinusitis**
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Journal of Allergy and Clinical Immunology · 140, 89-100.e2
https://exaly.com/article/66783884

88 **A Prospective Analysis Evaluating Tissue Biopsy Location and Its Clinical Relevance in Chronic Rhinosinusitis With Nasal Polyps**
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89 **The Barrier Hypothesis and Oncostatin M: Restoration of Epithelial Barrier Function as a Novel Therapeutic Strategy for the Treatment of Type 2 Inflammatory Disease**
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90 **Proton Pump Inhibitors Decrease Eotaxin-3/CCL26 Expression in Patients With Chronic Rhinosinusitis With Nasal Polyps: Possible Role of the Nongastric H,K-ATPase**

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97 **A Recently Established Murine Model of Nasal Polyps Demonstrates Activation of B Cells, as Occurs in Human Nasal Polyps.**

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100 **Allergens Stimulate Store-Operated Calcium Entry and Cytokine Production in Airway Epithelial Cells** — 54 citations
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Allergy, Asthma and Immunology Research · 7, 421-30
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105 **Out of the Orphanage and Into the Clinic — Therapeutic Targeting of GATA3** — 4 citations
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106 **Oncostatin M Promotes Mucosal Epithelial Barrier Dysfunction, and Its Expression Is Increased in Patients With Eosinophilic Mucosal Disease** — 146 citations
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107 **Chronic Rhinosinusitis Pathogenesis** — 336 citations
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108 **Increased Noneosinophilic Nasal Polyps in Chronic Rhinosinusitis in US Second-Generation Asians Suggest Genetic Regulation of Eosinophilia**
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109 **Clinical Characteristics of Adults With Chronic Rhinosinusitis and Specific Antibody Deficiency**
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110 **Genome-Wide Association Study Identifies Peanut Allergy-Specific Loci and Evidence of Epigenetic Mediation in US Children**
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111 **Cross-Talk Between Human Mast Cells and Bronchial Epithelial Cells in Plasminogen Activator Inhibitor-1 Production via Transforming Growth Factor-β1.**
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113 **The Etiology and Pathogenesis of Chronic Rhinosinusitis: A Review of Current Hypotheses**
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