

# Michael A Kohanski M

## List of Publications by Year in descending order

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Version: 2024-02-01

75  
papers

6,624  
citations

394286

19  
h-index

110317

64  
g-index

75  
all docs

75  
docs citations

75  
times ranked

9134  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Common Mechanism of Cellular Death Induced by Bactericidal Antibiotics. <i>Cell</i> , 2007, 130, 797-810.	13.5	2,334
2	How antibiotics kill bacteria: from targets to networks. <i>Nature Reviews Microbiology</i> , 2010, 8, 423-435.	13.6	1,648
3	Sublethal Antibiotic Treatment Leads to Multidrug Resistance via Radical-Induced Mutagenesis. <i>Molecular Cell</i> , 2010, 37, 311-320.	4.5	793
4	Mistranslation of Membrane Proteins and Two-Component System Activation Trigger Antibiotic-Mediated Cell Death. <i>Cell</i> , 2008, 135, 679-690.	13.5	459
5	Clinically relevant mutations in core metabolic genes confer antibiotic resistance. <i>Science</i> , 2021, 371, .	6.0	187
6	SARS-CoV-2 induces double-stranded RNA-mediated innate immune responses in respiratory epithelial-derived cells and cardiomyocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	159
7	Review of indoor aerosol generation, transport, and control in the context of COVID-19. <i>International Forum of Allergy and Rhinology</i> , 2020, 10, 1173-1179.	1.5	126
8	Solitary chemosensory cells are a primary epithelial source of IL-25 in patients with chronic rhinosinusitis with nasal polyps. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 142, 460-469.e7.	1.5	123
9	Cellular context of IL-33 expression dictates impact on anti-helminth immunity. <i>Science Immunology</i> , 2020, 5, .	5.6	73
10	Biomarkers in Chronic Rhinosinusitis with Nasal Polyps. <i>Immunology and Allergy Clinics of North America</i> , 2018, 38, 679-692.	0.7	63
11	Solitary chemosensory cells producing interleukin-25 and group 2 innate lymphoid cells are enriched in chronic rhinosinusitis with nasal polyps. <i>International Forum of Allergy and Rhinology</i> , 2018, 8, 900-906.	1.5	47
12	Lack of Sphenoid Pneumatization Does Not Affect Endoscopic Endonasal Pediatric Skull Base Surgery Outcomes. <i>Laryngoscope</i> , 2019, 129, 832-836.	1.1	38
13	Relative susceptibility of airway organisms to antimicrobial effects of nitric oxide. <i>International Forum of Allergy and Rhinology</i> , 2017, 7, 770-776.	1.5	37
14	The Role of Quinine-Responsive Taste Receptor Family 2 in Airway Immune Defense and Chronic Rhinosinusitis. <i>Frontiers in Immunology</i> , 2018, 9, 624.	2.2	35
15	Sentinels at the wall: epithelial-derived cytokines serve as triggers of upper airway type 2 inflammation. <i>International Forum of Allergy and Rhinology</i> , 2019, 9, 93-99.	1.5	35
16	Bitter and sweet taste tests are reflective of disease status in chronic rhinosinusitis. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2018, 6, 1078-1080.	2.0	29
17	Fungal extracts stimulate solitary chemosensory cell expansion in noninvasive fungal rhinosinusitis. <i>International Forum of Allergy and Rhinology</i> , 2019, 9, 730-737.	1.5	29
18	Aerosol or droplet: critical definitions in the COVID-19 era. <i>International Forum of Allergy and Rhinology</i> , 2020, 10, 968-969.	1.5	28

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19	Adenoid cystic carcinoma of the sinonasal tract: a review of the national cancer database. International Forum of Allergy and Rhinology, 2019, 9, 427-434.	1.5	23
20	Neuropeptide regulation of secretion and inflammation in human airway gland serous cells. European Respiratory Journal, 2020, 55, 1901386.	3.1	21
21	Rewiring Bacteria, Two Components at a Time. Cell, 2008, 133, 947-948.	13.5	16
22	Taste Receptor Polymorphisms and Immune Response: A Review of Receptor Genotypic-Phenotypic Variations and Their Relevance to Chronic Rhinosinusitis. Frontiers in Cellular and Infection Microbiology, 2018, 8, 64.	1.8	15
23	Inverted papilloma with multifocal attachment is associated with increased recurrence. International Forum of Allergy and Rhinology, 2019, 9, 865-869.	1.5	15
24	Impact of novel CFTR modulator on sinonasal quality of life in adult patients with cystic fibrosis. International Forum of Allergy and Rhinology, 2021, 11, 201-203.	1.5	15
25	<scp>Drivers</scp> of <scp>In-hospital</scp> Costs Following Endoscopic Transphenoidal Pituitary Surgery. Laryngoscope, 2021, 131, 760-764.	1.1	15
26	Evolution in the surgical management of chronic rhinosinusitis: Current indications and pitfalls. Journal of Allergy and Clinical Immunology, 2018, 141, 1561-1569.	1.5	14
27	Major complications of aspirin desensitization and maintenance therapy in aspirin-exacerbated respiratory disease. International Forum of Allergy and Rhinology, 2021, 11, 115-119.	1.5	13
28	Solitary chemosensory cells are innervated by trigeminal nerve endings and autoregulated by cholinergic receptors. International Forum of Allergy and Rhinology, 2021, 11, 877-884.	1.5	13
29	Divergent bitter and sweet taste perception intensity in chronic rhinosinusitis patients. International Forum of Allergy and Rhinology, 2021, 11, 857-865.	1.5	13
30	Preventing Restenosis of Marsupialized Rathke Cleft Cysts Using a Nasoseptal Flap Lining. Laryngoscope, 2019, 129, 2258-2261.	1.1	12
31	Indications and endonasal treatment of petrous apex cholesterol granulomas. Current Opinion in Otolaryngology and Head and Neck Surgery, 2019, 27, 54-58.	0.8	12
32	Adenocarcinoma of the Sinonasal Tract: A Review of the National Cancer Database. Journal of Neurological Surgery, Part B: Skull Base, 2020, 81, 701-708.	0.4	12
33	Complete endoscopic sinus surgery followed by aspirin desensitization is associated with decreased overall corticosteroid use. International Forum of Allergy and Rhinology, 2020, 10, 1043-1048.	1.5	12
34	Deep learning classification of inverted papilloma malignant transformation using 3D convolutional neural networks and magnetic resonance imaging. International Forum of Allergy and Rhinology, 2022, 12, 1025-1033.	1.5	11
35	Sinonasal mucoepidermoid carcinoma: a review of the National Cancer Database. International Forum of Allergy and Rhinology, 2019, 9, 1046-1053.	1.5	10
36	Clinical Implications of Carcinoma In Situ in Sinonasal Inverted Papilloma. Otolaryngology - Head and Neck Surgery, 2019, 161, 1036-1042.	1.1	10

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37	<sc>Penn</sc> Medicine Head and Neck Cancer Service Line <sc>COVID</sc>â€19 management guidelines. <i>Head and Neck</i> , 2020, 42, 1507-1515.	0.9	9
38	Denatonium benzoate bitter taste perception in chronic rhinosinusitis subgroups. <i>International Forum of Allergy and Rhinology</i> , 2021, 11, 967-975.	1.5	9
39	Effectiveness of endoscopic sinus surgery and aspirin therapy in the management of aspirin-exacerbated respiratory disease. <i>Allergy and Asthma Proceedings</i> , 2021, 42, 136-141.	1.0	9
40	Targeted gene expression profiling of inverted papilloma and squamous cell carcinoma. <i>International Forum of Allergy and Rhinology</i> , 2022, 12, 200-209.	1.5	8
41	Asymptomatic radiographic sinonasal inflammation does not affect pituitary surgery outcomes. <i>Laryngoscope</i> , 2019, 129, 1545-1548.	1.1	7
42	A Population-Level Analysis of Pituitary Carcinoma from the National Cancer Database. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , 2020, 81, 180-186.	0.4	6
43	Chronic rhinosinusitis precipitated by tumor necrosis factor alpha inhibitors is the phenotype of chronic rhinosinusitis without nasal polyps. <i>International Forum of Allergy and Rhinology</i> , 2020, 10, 23-28.	1.5	6
44	Inverted papilloma is associated with greater radiographic inflammatory disease than other sinonasal malignancy. <i>International Forum of Allergy and Rhinology</i> , 2020, 10, 278-281.	1.5	6
45	PAR-2-activated secretion by airway gland serous cells: role for CFTR and inhibition by <i>Pseudomonas aeruginosa</i> . <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021, 320, L845-L879.	1.3	6
46	Surgical approach is associated with complication rate in sinonasal malignancy: A multicenter study. <i>International Forum of Allergy and Rhinology</i> , 2021, 11, 1617-1625.	1.5	6
47	Bitter taste receptor agonists regulate epithelial two-pore potassium channels via cAMP signaling. <i>Respiratory Research</i> , 2021, 22, 31.	1.4	6
48	Similarities between allergen sensitivity patterns of central compartment atopic disease and allergic rhinitis. <i>International Forum of Allergy and Rhinology</i> , 2022, 12, 1299-1302.	1.5	5
49	Effects of ophthalmologic solutions on sinonasal ciliated epithelium. <i>International Forum of Allergy and Rhinology</i> , 2017, 7, 801-808.	1.5	4
50	Outcomes of endoscopic endonasal resection of pediatric craniopharyngiomas. <i>International Forum of Allergy and Rhinology</i> , 2022, 12, 1517-1526.	1.5	4
51	Age as a factor in treatment of aspirinâ€exacerbated respiratory disease: relationship to required aspirin maintenance dose after desensitization. <i>International Forum of Allergy and Rhinology</i> , 2020, 10, 1180-1181.	1.5	3
52	The impact of endoscopic sinus surgery and aspirin desensitization on psychological burden in aspirinâ€exacerbated respiratory disease. <i>World Journal of Otorhinolaryngology - Head and Neck Surgery</i> , 2020, 6, 214-219.	0.7	3
53	Extraprimary Local Recurrence of Esthesioneuroblastoma: Case Series and Literature Review. <i>World Neurosurgery</i> , 2020, 144, e546-e552.	0.7	3
54	Surgical Treatment of Sinonasal Mucosal Melanoma in Patients Treated with Systemic Immunotherapy. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , 2021, 82, e148-e154.	0.4	3

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55	In vitro safety of ketotifen as a topical nasal rinse. International Forum of Allergy and Rhinology, 2020, 10, 265-270.	1.5	3
56	Treatment Outcomes in Aspirin-Exacerbated Respiratory Disease Based on the 12-Item Short Form Survey. American Journal of Rhinology and Allergy, 2021, 35, 194589242110016.	1.0	3
57	Multidisciplinary single-center outcomes compared to two-center outcomes for the treatment of aspirin exacerbated respiratory disease. Journal of Allergy and Clinical Immunology: in Practice, 2021, 9, 2498-2500.	2.0	3
58	Epithelial dysregulation in chronic rhinosinusitis with nasal polyposis (CRSwNP) and aspirin-exacerbated respiratory disease (AERD). Journal of Allergy and Clinical Immunology, 2021, 148, 1161-1164.	1.5	3
59	Steroid affected cytokines in aspirinâ€œexacerbated respiratory disease. International Forum of Allergy and Rhinology, 2022, 12, 1232-1241.	1.5	3
60	Incidence, risk factors, and outcomes of endoscopic sinus surgery after endoscopic skullâ€œbase surgery. International Forum of Allergy and Rhinology, 2020, 10, 521-525.	1.5	2
61	Direct Tumoral Puncture Onyx Embolization for a Juvenile Nasopharyngeal Angiofibroma in a Hybrid Neurointerventional Suite. World Neurosurgery, 2021, 147, 7.	0.7	2
62	Pre-intervention SNOT-22 scores predict outcomes in aspirin exacerbated respiratory disease. American Journal of Otolaryngology - Head and Neck Medicine and Surgery, 2021, 42, 103025.	0.6	2
63	Comparison of highâ€œflow CSF leak closure with nasoseptal flap following endoscopic endonasal approach in adult and pediatric populations. International Forum of Allergy and Rhinology, 2022, 12, 321-323.	1.5	2
64	Comparison of aspirin desensitization outcomes between men and women with AERD. International Forum of Allergy and Rhinology, 2022, 12, 872-875.	1.5	2
65	Disorders Involving a Persistent Craniopharyngeal Canal: A Case Series. Journal of Neurological Surgery, Part B: Skull Base, 2020, 81, 562-566.	0.4	1
66	A Comparison of Overall Survival between Definitive Local Therapy and Systemic Therapy in Metastatic Sinonasal Malignancies. Journal of Neurological Surgery, Part B: Skull Base, 2021, 82, .	0.4	0
67	Determinants of Patient Refusal of Postoperative Radiation Therapy in Sinonasal Squamous Cell Carcinoma. , 2021, 82, .		0
68	Prognosis of Distant Metastatic Sites in Anterior Skull Base Malignancies. Journal of Neurological Surgery, Part B: Skull Base, 0, , .	0.4	0
69	Indocyanine Green Endoscopic Video Angiography to Assess Nasoseptal Flap Vascular Perfusion in Skull Base Reconstruction. Journal of Neurological Surgery, Part B: Skull Base, 2018, 79, S1-S188.	0.4	0
70	A Population-Level Analysis of Pituitary Carcinoma from the National Cancer Database. Journal of Neurological Surgery, Part B: Skull Base, 2019, 80, .	0.4	0
71	Association between the HLAâ€œDQA1 rs1391371 risk allele and chronic rhinosinusitis. International Forum of Allergy and Rhinology, 2022, 12, 1075-1077.	1.5	0
72	In-Hospital Costs Associated With an Expanded Endonasal Approach to Anterior Skull Base Tumors. Annals of Otolaryngology, Rhinology and Laryngology, 0, , 000348942110675.	0.6	0

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73	The Impact of Type II Diabetes Mellitus on Sinonasal Symptoms after Resection of Inverted Papilloma. Journal of Neurological Surgery, Part B: Skull Base, 2022, 83, .	0.4	0
74	Outcomes after Endoscopic Resection of Inverted Papilloma Based on Preoperative Lund-Mackay Score. Journal of Neurological Surgery, Part B: Skull Base, 2022, 83, .	0.4	0
75	Novel intraoperative fast anatomic mapping as teaching adjunct in endoscopic sinus surgery. International Forum of Allergy and Rhinology, 2022, 12, 1575-1577.	1.5	0