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List of Publications by Year
in descending order

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85 papers	4,398 citations	201385 27 h-index	118652 62 g-index
89 all docs	89 docs citations	89 times ranked	8291 citing authors

#	Article	IF	Citations
1	SARS-CoV-2 Reverse Genetics Reveals a Variable Infection Gradient in the Respiratory Tract. Cell, 2020, 182, 429-446.e14.	13.5	1,257
2	SARS-CoV-2 infection of the oral cavity and saliva. Nature Medicine, 2021, 27, 892-903.	15.2	527
3	Diagnosis, monitoring, and treatment of primary ciliary dyskinesia: PCD foundation consensus recommendations based on state of the art review. Pediatric Pulmonology, 2016, 51, 115-132.	1.0	297
4	Structural and Evolutionary Division of Phosphotyrosine Binding (PTB) Domains. Journal of Molecular Biology, 2005, 345, 1-20.	2.0	225
5	Regulators of G-Protein Signaling and Their GÎ± Substrates: Promises and Challenges in Their Use as Drug Discovery Targets. Pharmacological Reviews, 2011, 63, 728-749.	7.1	205
6	GTPase acceleration as the rate-limiting step in Arabidopsis G protein-coupled sugar signaling. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 17317-17322.	3.3	195
7	Structural diversity in the RGS domain and its interaction with heterotrimeric G protein Î±-subunits. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 6457-6462.	3.3	174
8	PB1 Domain Interaction of p62/Sequestosome 1 and MEKK3 Regulates NF-ÎºB Activation. Journal of Biological Chemistry, 2010, 285, 2077-2089.	1.6	107
9	Regulators of G-protein Signaling accelerate GPCR signaling kinetics and govern sensitivity solely by accelerating GTPase activity. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 7066-7071.	3.3	89
10	Reducing nasal morbidity after skull base reconstruction with the nasoseptal flap: Free middle turbinate mucosal grafts. Laryngoscope, 2012, 122, 1920-1924.	1.1	66
11	Surgical Treatments for Otitis Media With Effusion: A Systematic Review. Pediatrics, 2014, 133, 296-311.	1.0	65
12	Structural Determinants of G-protein Î± Subunit Selectivity by Regulator of G-protein Signaling 2 (RGS2). Journal of Biological Chemistry, 2009, 284, 19402-19411.	1.6	62
13	Numerical evaluation of spray position for improved nasal drug delivery. Scientific Reports, 2020, 10, 10568.	1.6	51
14	High-Affinity Immobilization of Proteins Using Biotin- and GST-Based Coupling Strategies. Methods in Molecular Biology, 2010, 627, 75-90.	0.4	50
15	The RGS protein inhibitor CCG-4986 is a covalent modifier of the RGS4 GÎ±-interaction face. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2007, 1774, 1213-1220.	1.1	48
16	A direct fluorescence-based assay for RGS domain GTPase accelerating activity. Analytical Biochemistry, 2005, 340, 341-351.	1.1	47
17	Elexacaftor-Tezacaftor- Ivacaftor improves sinonasal outcomes in cystic fibrosis. Journal of Cystic Fibrosis, 2022, 21, 792-799.	0.3	45
18	A Capture Coupling Method for the Covalent Immobilization of Hexahistidine Tagged Proteins for Surface Plasmon Resonance. Methods in Molecular Biology, 2010, 627, 91-100.	0.4	42

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19	A Point Mutation to GÎ±i Selectively Blocks GoLoco Motif Binding. Journal of Biological Chemistry, 2008, 283, 36698-36710.	1.6	41
20	Regulator of G-Protein Signaling 14 (RGS14) Is a Selective H-Ras Effector. PLoS ONE, 2009, 4, e4884.	1.1	40
21	The effect of RGS12 on PDGFÎ²receptor signalling to p42/p44 mitogen activated protein kinase in mammalian cells. Cellular Signalling, 2006, 18, 971-981.	1.7	39
22	Associative mechanism for phosphoryl transfer: A molecular dynamics simulation of Escherichia coli adenylate kinase complexed with its substrates. Proteins: Structure, Function and Bioinformatics, 2004, 58, 88-100.	1.5	38
23	Polymorphous low-grade adenocarcinoma: A case series and determination of recurrence. Laryngoscope, 2014, 124, 2714-2719.	1.1	38
24	Minimizing Morbidity in Endoscopic Pituitary Surgery. Otolaryngology - Head and Neck Surgery, 2012, 147, 434-437.	1.1	36
25	Standardized letters of recommendation and successful match into otolaryngology. Laryngoscope, 2016, 126, 1071-1076.	1.1	36
26	A P-loop Mutation in GÎ± Subunits Prevents Transition to the Active State: Implications for G-protein Signaling in Fungal Pathogenesis. PLoS Pathogens, 2012, 8, e1002553.	2.1	32
27	Two GÎ± i1 Rate-Modifying Mutations Act in Concert to Allow Receptor-Independent, Steady-State Measurements of RGS Protein Activity. Journal of Biomolecular Screening, 2009, 14, 1195-1206.	2.6	30
28	A High Throughput Fluorescence Polarization Assay for Inhibitors of the GoLoco Motif/G-alpha Interaction. Combinatorial Chemistry and High Throughput Screening, 2008, 11, 396-409.	0.6	28
29	Regulator of G-protein Signaling-21 (RGS21) Is an Inhibitor of Bitter Gustatory Signaling Found in Lingual and Airway Epithelia. Journal of Biological Chemistry, 2012, 287, 41706-41719.	1.6	28
30	Heterotrimeric G-protein Signaling Is Critical to Pathogenic Processes in Entamoeba histolytica. PLoS Pathogens, 2012, 8, e1003040.	2.1	25
31	A sweet cycle for Arabidopsis G-proteins. Plant Signaling and Behavior, 2008, 3, 1067-1076.	1.2	22
32	Helix Dipole Movement and Conformational Variability Contribute to Allosteric GDP Release in GÎ±i Subunits,. Biochemistry, 2009, 48, 2630-2642.	1.2	21
33	Cystic Fibrosis Foundation otolaryngology care multidisciplinary consensus recommendations. International Forum of Allergy and Rhinology, 2022, 12, 1089-1103.	1.5	21
34	Fluorescence-Based Assays for RGS Box Function. Methods in Enzymology, 2004, 389, 56-71.	0.4	19
35	The Adolescent Vaping Epidemic in the United Statesâ€"How It Happened and Where We Go From Here. JAMA Otolaryngology - Head and Neck Surgery, 2019, 145, 885.	1.2	19
36	Allergy and sleep-disordered breathing. Current Opinion in Otolaryngology and Head and Neck Surgery, 2013, 21, 277-281.	0.8	18

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37	Structural Determinants of Affinity Enhancement between GoLoco Motifs and G-Protein Î± Subunit Mutants. Journal of Biological Chemistry, 2011, 286, 3351-3358.	1.6	17
38	Quantification of Aerosol Concentrations During Endonasal Instrumentation in the Clinic Setting. Laryngoscope, 2021, 131, E1415-E1421.	1.1	16
39	Oral cavity squamous cell carcinoma--an overview. Oral Health and Dental Management, 2014, 13, 877-82.	0.7	16
40	Sinus Development and Pneumatization in a Primary Ciliary Dyskinesia Cohort. American Journal of Rhinology and Allergy, 2021, 35, 72-76.	1.0	15
41	Quantification of Aerosol Particle Concentrations During Endoscopic Sinonasal Surgery in the Operating Room. American Journal of Rhinology and Allergy, 2021, 35, 426-431.	1.0	14
42	HPV-Associated Head and Neck Cancer: Molecular and Nano-Scale Markers for Prognosis and Therapeutic Stratification. Sensors, 2012, 12, 5159-5169.	2.1	13
43	HPV in the malignant transformation of sinonasal inverted papillomas: A metaâ€analysis. International Forum of Allergy and Rhinology, 2021, 11, 1461-1471.	1.5	13
44	Transoral robotic resection of a lingual thyroglossal duct cyst. Journal of Robotic Surgery, 2012, 6, 367-369.	1.0	12
45	Understood? Evaluating the readability and understandability of intranasal corticosteroid delivery instructions. International Forum of Allergy and Rhinology, 2020, 10, 773-778.	1.5	12
46	The management of cystic fibrosis chronic rhinosinusitis: An evidencedâ€based review with recommendations. International Forum of Allergy and Rhinology, 2022, 12, 1148-1183.	1.5	11
47	Sinonasal epithelial-myoepithelial carcinoma: Report of a novel subsite and review of the literature. Allergy and Rhinology, 2018, 9, 215265671876422.	0.7	10
48	Cystic Fibrosis Transmembrane Conductance Regulator Modulator Therapy: A Review for the Otolaryngologist. American Journal of Rhinology and Allergy, 2020, 34, 573-580.	1.0	10
49	Polysomnographic results of prone versus supine positioning in micrognathia. International Journal of Pediatric Otorhinolaryngology, 2014, 78, 2056-2059.	0.4	9
50	Surgical simulation and applicant perception in otolaryngology residency interviews. Laryngoscope, 2018, 128, 2503-2507.	1.1	9
51	Olfaction before and after initiation of elexacaftorâ€tezacaftorâ€ivacaftor in a cystic fibrosis cohort. International Forum of Allergy and Rhinology, 2022, 12, 223-226.	1.5	8
52	Structural Determinants of RGS-RhoGEF Signaling Critical to Entamoeba histolytica Pathogenesis. Structure, 2013, 21, 65-75.	1.6	7
53	RGS21, a regulator of taste and mucociliary clearance?. Laryngoscope, 2014, 124, E56-63.	1.1	7
54	Readability of patientâ€reported outcome measures for chronic rhinosinusitis and skull base diseases. Laryngoscope, 2020, 130, 2305-2310.	1.1	7

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55	Impact of Masks on Speech Recognition in Adult Patients with and without Hearing Loss. Orl, 2022, 84, 302-308.	0.6	6
56	Modeling microdebrider-mediated ophthalmic damage: a word of caution in endoscopic sinus surgery. Rhinology, 2019, 2, 44-49.	0.2	6
57	How Much Blood Could a JP Suck If a JP Could Suck Blood?. Laryngoscope, 2018, 129, 1806-1809.	1.1	5
58	Nasopharyngeal Hyalinizing Clear Cell Carcinoma: A Case Report and Review of the Literature. Allergy and Rhinology, 2019, 10, 215265671988903.	0.7	5
59	A Comparison of Sphenoid Sinus Osteoneogenesis in Aspirin-Exacerbated Respiratory Disease. American Journal of Rhinology and Allergy, 2021, 35, 172-178.	1.0	5
60	Image quality and dose reduction in sinus computed tomography using iterative reconstruction: a cadaver study. Rhinology, 2018, 1, 45-49.	0.2	4
61	Blinded Evaluation of Endoscopic Skill and Instructability After Implementation of an Endoscopic Simulation Experience. American Journal of Rhinology and Allergy, 2019, 33, 681-690.	1.0	4
62	Mometasone absorption in cultured airway epithelium. International Forum of Allergy and Rhinology, 2019, 9, 1451-1455.	1.5	4
63	Pharmacokineticâ€based failure of a detergent virucidal for severe acute respiratory syndromeâ€“coronavirusâ€2 (SARSâ€CoVâ€2) nasal infections: A preclinical study and randomized controlled trial. International Forum of Allergy and Rhinology, 2022, , .	1.5	4
64	Extramedullary Hematopoiesis in the Sinonasal Cavity: A Case Report and Review of the Literature. Allergy and Rhinology, 2020, 11, 215265672091887.	0.7	3
65	Heterogeneity in Outcome Reporting in Endoscopic Endonasal Skull Base Reconstruction: A Systematic Review. Journal of Neurological Surgery, Part B: Skull Base, 2020, 82, 506-521.	0.4	3
66	Streamlining care in cystic fibrosis: survey of otolaryngologist, pulmonologist, and patient experiences. International Forum of Allergy and Rhinology, 2020, 10, 591-603.	1.5	2
67	Radiologic Analysis of Balloon Sinuplasty in a Human Cadaver Model: Observed Effects on Sinonasal Anatomy. American Journal of Rhinology and Allergy, 2021, 35, 107-113.	1.0	2
68	The stability of tastant detection by mouse lingual chemosensory tissue requires Regulator of G protein Signaling-21 (RGS21). Chemical Senses, 2021, 46, .	1.1	2
69	Outcomes in Pediatric Endoscopic Skull Base Surgery: A Systematic Review. Journal of Neurological Surgery, Part B: Skull Base, 0, , .	0.4	2
70	A Homogeneous Method to Measure Nucleotide Exchange by Î±-Subunits of Heterotrimeric G-Proteins Using Fluorescence Polarization. Assay and Drug Development Technologies, 2010, 8, 621-624.	0.6	1
71	COVID-19 related olfactory dysfunction prevalence and natural history in ambulatory patients. Rhinology, 2021, 4, 131-139.	0.2	1
72	Aggressive Tumor, Aggressive Treatment. International Journal of Radiation Oncology Biology Physics, 2017, 99, 1062-1063.	0.4	0

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73	Effect of nasal suction catheter use on aerosol generation during endoscopic sinus surgery. International Forum of Allergy and Rhinology, 2021, 11, 1494-1496.	1.5	0
74	RGS Protein Family. , 2018, , 4657-4663.		0
75	The Evolving Presence of Skull Base Surgery across Otolaryngology Scientific Forums. , 2019, 80, .		0
76	Pediatric Endoscopic Skull Base Surgery: Experience at a Tertiary Referral Center and Systematic Review of the Literature. , 2019, 80, .		0
77	Participation of Otolaryngology in the North American Skull Base Society: A 10-Year Review. Journal of Neurological Surgery, Part B: Skull Base, 2019, 80, .	0.4	0
78	2018: Current Status of Comprehensive Endoscopic Skull Base Training in Otolaryngology Fellowships. , 2019, 80, .		0
79	Outcomes of Early Functional Endoscopic Sinus Surgery for Orbital Complications of Acute Rhinosinusitis. Journal of Neurological Surgery, Part B: Skull Base, 2020, 81, .	0.4	0
80	Prolonged Implantation of Sinus Devices and Implications for Chronic Rhinosinusitis: A Case Report and Review of the Literature. Surgical Case Reports, 2020, 3, 1-4.	0.0	0
81	Heterogeneity in Outcomes Reporting in Endoscopic Endonasal Skull Base Reconstruction: A Systematic Review. , 2020, 81, .		0
82	Intranasal Corticosteroids: Patient Administration Angles and Impact of Education. Rhinology, 2020, 3, 160-166.	0.2	0
83	Postoperative Pain Management and Perceived Patient Outcomes Following Endoscopic Pituitary Surgery. Journal of Neurological Surgery, Part B: Skull Base, 0, , .	0.4	0
84	Pneumocephalus after insertion of an inflatable nasal tampon for the management of epistaxis. Ear, Nose and Throat Journal, 2016, 95, 172-4.	0.4	0
85	Siteâ€specific detection and differential levels of immune mediators in the sinonasal mucosa. International Forum of Allergy and Rhinology, 2023, 13, 80-84.	1.5	0