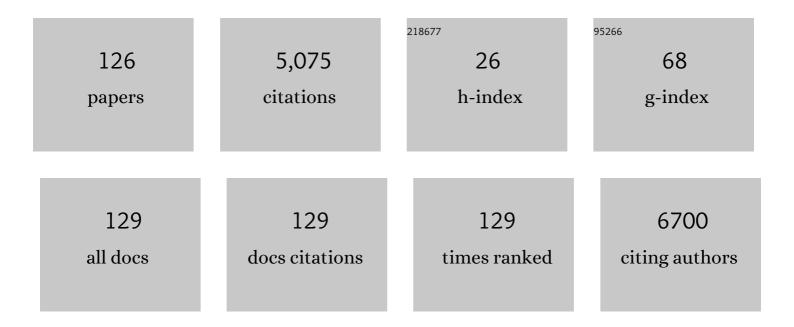
## Sung Won Kim

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Printing three-dimensional tissue analogues with decellularized extracellular matrix bioink. Nature Communications, 2014, 5, 3935.	12.8	1,434
2	3D printed complex tissue construct using stem cell-laden decellularized extracellular matrix bioinks for cardiac repair. Biomaterials, 2017, 112, 264-274.	11.4	504
3	Bioprintable, cell-laden silk fibroin–gelatin hydrogel supporting multilineage differentiation of stem cells for fabrication of three-dimensional tissue constructs. Acta Biomaterialia, 2015, 11, 233-246.	8.3	472
4	Ornamenting 3D printed scaffolds with cell-laid extracellular matrix for bone tissue regeneration. Biomaterials, 2015, 37, 230-241.	11.4	306
5	Magnetically actuated microrobots as a platform for stem cell transplantation. Science Robotics, 2019, 4, .	17.6	247
6	Three-dimensional bioprinting of multilayered constructs containing human mesenchymal stromal cells for osteochondral tissue regeneration in the rabbit knee joint. Biofabrication, 2016, 8, 014102.	7.1	200
7	A novel tissue-engineered trachea with a mechanical behavior similarÂto native trachea. Biomaterials, 2015, 62, 106-115.	11.4	110
8	Effects of alginate hydrogel cross-linking density on mechanical and biological behaviors for tissue engineering. Journal of the Mechanical Behavior of Biomedical Materials, 2014, 37, 69-77.	3.1	102
9	Hybrid-spheroids incorporating ECM like engineered fragmented fibers potentiate stem cell function by improved cell/cell and cell/ECM interactions. Acta Biomaterialia, 2017, 64, 161-175.	8.3	66
10	Long-term Outcome of Extranodal NK/T Cell Lymphoma Patients Treated With Postremission Therapy Using EBV LMP1 and LMP2a-specific CTLs. Molecular Therapy, 2015, 23, 1401-1409.	8.2	63
11	InÂvivo osteogenic differentiation of human turbinate mesenchymal stem cells in an injectable in situ-forming hydrogel. Biomaterials, 2014, 35, 5337-5346.	11.4	59
12	New application of threeâ€dimensional printing biomaterial in nasal reconstruction. Laryngoscope, 2017, 127, 1036-1043.	2.0	55
13	Human turbinate mesenchymal stromal cell sheets with bellows graft for rapid tracheal epithelial regeneration. Acta Biomaterialia, 2015, 25, 56-64.	8.3	52
14	Human Inferior Turbinate. Otolaryngology - Head and Neck Surgery, 2012, 147, 568-574.	1.9	48
15	Bilateral modified nasoseptal "rescue―flaps in the endoscopic endonasal transsphenoidal approach. Laryngoscope, 2013, 123, 2605-2609.	2.0	47
16	A rational tissue engineering strategy based on three-dimensional (3D) printing for extensive circumferential tracheal reconstruction. Biomaterials, 2018, 185, 276-283.	11.4	46
17	Prognosis of Olfactory Dysfunction according to Etiology and Timing of Treatment. Otolaryngology - Head and Neck Surgery, 2017, 156, 371-377.	1.9	41
18	Modified Graded Repair of Cerebrospinal Fluid Leaks in Endoscopic Endonasal Transsphenoidal Surgery. Journal of Korean Neurosurgical Society, 2015, 58, 36.	1.2	41

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19	ls turbinate surgery necessary when performing a septoplasty?. European Archives of Oto-Rhino-Laryngology, 2009, 266, 975-980.	1.6	38
20	Clinical and Laboratory Features of Various Criteria of Eosinophilic Chronic Rhinosinusitis: A Systematic Review and Meta-Analysis. Clinical and Experimental Otorhinolaryngology, 2022, 15, 230-246.	2.1	38
21	Postoperative nasal symptoms associated with an endoscopic endonasal transsphenoidal approach. European Archives of Oto-Rhino-Laryngology, 2013, 270, 1355-1359.	1.6	36
22	Clinical Application of 3-Dimensional Printing Technology for Patients With Nasal Septal Deformities. JAMA Otolaryngology - Head and Neck Surgery, 2018, 144, 1145.	2.2	32
23	Toll like Receptor 3 & 4 Responses of Human Turbinate Derived Mesenchymal Stem Cells: Stimulation by Double Stranded RNA and Lipopolysaccharide. PLoS ONE, 2014, 9, e101558.	2.5	31
24	The Efficacy of Hypotensive Agents on Intraoperative Bleeding and Recovery Following General Anesthesia for Nasal Surgery: A Network Meta-Analysis. Clinical and Experimental Otorhinolaryngology, 2021, 14, 200-209.	2.1	29
25	Anatomical analysis of nasal obstruction. Laryngoscope, 2013, 123, 1381-1384.	2.0	28
26	Fabrication of core-shell spheroids as building blocks for engineering 3D complex vascularized tissue. Acta Biomaterialia, 2019, 100, 158-172.	8.3	28
27	The neuroplastic effect of olfactory training to the recovery of olfactory system in mouse model. International Forum of Allergy and Rhinology, 2019, 9, 715-723.	2.8	27
28	Characteristics of Mesenchymal Stem Cells Originating from the Bilateral Inferior Turbinate in Humans with Nasal Septal Deviation. PLoS ONE, 2014, 9, e100219.	2.5	25
29	Redefining the Septal L-Strut to Prevent Collapse. PLoS ONE, 2016, 11, e0153056.	2.5	25
30	Usefulness of Sentinel Lymph Node Biopsy for Oral Cancer: A Systematic Review and Metaâ€Analysis. Laryngoscope, 2021, 131, E459-E465.	2.0	25
31	Predictive Value of Olfactory and Taste Symptoms in the Diagnosis of COVID-19: A Systematic Review and Meta-Analysis. Clinical and Experimental Otorhinolaryngology, 2021, 14, 312-320.	2.1	25
32	Age-Related Characteristics of Multipotent Human Nasal Inferior Turbinate-Derived Mesenchymal Stem Cells. PLoS ONE, 2013, 8, e74330.	2.5	25
33	3D bioprinting of a trachea-mimetic cellular construct of a clinically relevant size. Biomaterials, 2021, 279, 121246.	11.4	25
34	Virtual Reality Simulators for Endoscopic Sinus and Skull Base Surgery: The Present and Future. Clinical and Experimental Otorhinolaryngology, 2019, 12, 12-17.	2.1	23
35	Allergic rhinitis and rhinosinusitis synergistically compromise the mental health and health-related quality of life of Korean adults: A nationwide population-based survey. PLoS ONE, 2018, 13, e0191115.	2.5	22
36	Activation of the Nrf2/HO-1 pathway by curcumin inhibits oxidative stress in human nasal fibroblasts exposed to urban particulate matter. BMC Complementary Medicine and Therapies, 2020, 20, 101.	2.7	21

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37	Efficacy of topical steroids for the treatment of olfactory disorders caused by COVIDâ€19: A systematic review and metaâ€analysis. Clinical Otolaryngology, 2022, 47, 509-515.	1.2	20
38	Use of narrowband imaging for the diagnosis and screening of laryngeal cancer: A systematic review and metaâ€analysis. Head and Neck, 2020, 42, 2635-2643.	2.0	19
39	Rapid Cartilage Regeneration of Spheroids Composed of Human Nasal Septum-Derived Chondrocyte in Rat Osteochondral Defect Model. Tissue Engineering and Regenerative Medicine, 2020, 17, 81-90.	3.7	19
40	Induction of chondrogenic differentiation in cultured fibroblasts isolated from the inferior turbinate. Otolaryngology - Head and Neck Surgery, 2008, 139, 143-148.	1.9	18
41	Is there an association between vitamin D deficiency and adenotonsillar hypertrophy in children with sleep-disordered breathing?. BMC Pediatrics, 2018, 18, 196.	1.7	18
42	Nasal Reconstruction Using a Customized Threeâ€Dimensional–Printed Stent for Congenital Arhinia: Three‥ear Followâ€up. Laryngoscope, 2019, 129, 582-585.	2.0	18
43	Redefining the Septal L-Strut in Septal Surgery. PLoS ONE, 2015, 10, e0119996.	2.5	17
44	Autofluorescence imaging to identify oral malignant or premalignant lesions: Systematic review and metaâ€analysis. Head and Neck, 2020, 42, 3735-3743.	2.0	17
45	Near-infrared autofluorescence-based parathyroid glands identification in the thyroidectomy or parathyroidectomy: a systematic review and meta-analysis. Langenbeck's Archives of Surgery, 2022, 407, 491-499.	1.9	17
46	Anatomic Changes Caused by Endoscopic Endonasal Transsphenoidal Surgery and Their Effects on Nasal Functions. Otolaryngology - Head and Neck Surgery, 2016, 154, 1132-1137.	1.9	16
47	Anti-Interleukin-9 Antibody Increases the Effect of Allergen-Specific Immunotherapy in Murine Allergic Rhinitis. Allergy, Asthma and Immunology Research, 2017, 9, 237.	2.9	15
48	Characteristics of Nasal Septal Cartilage–Derived Progenitor Cells during Prolonged Cultivation. Otolaryngology - Head and Neck Surgery, 2018, 159, 774-782.	1.9	14
49	The effect of urban particulate matter on cultured human nasal fibroblasts. International Forum of Allergy and Rhinology, 2018, 8, 993-1000.	2.8	14
50	Virtual Reality Haptic Simulator for Endoscopic Sinus and Skull Base Surgeries. Journal of Craniofacial Surgery, 2020, 31, 1811-1814.	0.7	14
51	Potential application of human neural crest-derived nasal turbinate stem cells for the treatment of neuropathology and impaired cognition in models of Alzheimer's disease. Stem Cell Research and Therapy, 2021, 12, 402.	5.5	14
52	Therapeutic Potential of Human Turbinate-Derived Mesenchymal Stem Cells in Experimental Acute Ischemic Stroke. International Neurourology Journal, 2018, 22, S131-138.	1.2	13
53	Accelerated Bone Regeneration via Three-Dimensional Cell-Printed Constructs Containing Human Nasal Turbinate-Derived Stem Cells as a Clinically Applicable Therapy. ACS Biomaterials Science and Engineering, 2019, 5, 6171-6185.	5.2	13
54	The association between olfactory dysfunction and cardiovascular disease and its risk factors in middle-aged and older adults. Scientific Reports, 2021, 11, 1248.	3.3	12

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55	Modeling Pancreatic Cancer with Patient-Derived Organoids Integrating Cancer-Associated Fibroblasts. Cancers, 2022, 14, 2077.	3.7	12
56	The Serine Protease Inhibitor, 4-(2-aminoethyl) Benzene Sulfonyl Fluoride Hydrochloride, Reduces Allergic Inflammation in a House Dust Mite Allergic Rhinitis Mouse Model. Allergy, Asthma and Immunology Research, 2014, 6, 558.	2.9	11
57	Development and analysis of three-dimensional (3D) printed biomimetic ceramic. International Journal of Precision Engineering and Manufacturing, 2016, 17, 1711-1719.	2.2	11
58	Investigating the effect of fibulinâ€1 on the differentiation of human nasal inferior turbinateâ€derived mesenchymal stem cells into osteoblasts. Journal of Biomedical Materials Research - Part A, 2017, 105, 2291-2298.	4.0	11
59	An injectable cationic hydrogel electrostatically interacted with BMP2 to enhance in vivo osteogenic differentiation of human turbinate mesenchymal stem cells. Materials Science and Engineering C, 2019, 103, 109853.	7.3	11
60	Narrowâ€band imaging for screening of oral premalignant or cancerous lesions: A systematic review and metaâ€analysis. Clinical Otolaryngology, 2021, 46, 501-507.	1.2	11
61	Intranasal Volume Changes Caused by the Endoscopic Endonasal Transsphenoidal Approach and Their Effects on Nasal Functions. PLoS ONE, 2016, 11, e0151531.	2.5	11
62	Efficacy of toluidine blue in the diagnosis and screening of oral cancer and preâ€cancer: A systematic review and metaâ€analysis. Clinical Otolaryngology, 2021, 46, 23-30.	1.2	10
63	Cerebrospinal fluid leakage repair of various grades developing during endoscopic transnasal transsphenoidal surgery. PLoS ONE, 2021, 16, e0248229.	2.5	10
64	Improved chondrogenic performance with protective tracheal design of Chitosan membrane surrounding 3D-printed trachea. Scientific Reports, 2021, 11, 9258.	3.3	10
65	Diagnostic value of smartphone in obstructive sleep apnea syndrome: A systematic review and meta-analysis. PLoS ONE, 2022, 17, e0268585.	2.5	10
66	Characteristics of Human Turbinate-Derived Mesenchymal Stem Cells Are Not Affected by Allergic Condition of Donor. PLoS ONE, 2015, 10, e0138041.	2.5	9
67	Protective effects of αâ€lipoic acid on cultured human nasal fibroblasts exposed to urban particulate matter. International Forum of Allergy and Rhinology, 2019, 9, 638-647.	2.8	9
68	Points to consider before the insertion of maxillary implants: the otolaryngologist's perspective. Journal of Periodontal and Implant Science, 2019, 49, 346.	2.0	9
69	Platelet-Rich Plasma Injection in Patients with Atrophic Rhinitis. Orl, 2021, 83, 104-111.	1.1	9
70	Intraoperative Neural Monitoring for Early Vocal Cord Function Assessment After Thyroid Surgery: A Systematic Review and Metaâ€Analysis. World Journal of Surgery, 2021, 45, 3320-3327.	1.6	9
71	The Ability of Human Nasal Inferior Turbinate–Derived Mesenchymal Stem Cells to Repair Vocal Fold Injuries. Otolaryngology - Head and Neck Surgery, 2018, 159, 335-342.	1.9	8
72	Greater palatine canal injections reduce operative bleeding during endoscopic sinus surgery: a systematic review and meta-analysis. European Archives of Oto-Rhino-Laryngology, 2019, 276, 3-10.	1.6	8

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73	Effect of Postoperative Xylitol Nasal Irrigation on Patients with Sinonasal Diseases. Otolaryngology - Head and Neck Surgery, 2019, 160, 550-555.	1.9	8
74	Predictive Value of Risk Factors for Pharyngocutaneous Fistula After Total Laryngectomy. Laryngoscope, 2023, 133, 742-754.	2.0	8
75	Major Factors Affecting Severity of Obstructive Sleep Apnea. Indian Journal of Otolaryngology and Head and Neck Surgery, 2015, 67, 114-118.	0.9	7
76	Hypernasality after using the endoscopic endonasal transsphenoidal approach for skull base tumors. Laryngoscope, 2016, 126, 329-333.	2.0	7
77	Evaluation of Collagen Gel-Associated Human Nasal Septum-Derived Chondrocytes As a Clinically Applicable Injectable Therapeutic Agent for Cartilage Repair. Tissue Engineering and Regenerative Medicine, 2020, 17, 387-399.	3.7	7
78	Predictive Value of Delphian Lymph Node Metastasis in the Thyroid Cancer. Laryngoscope, 2021, 131, 1990-1996.	2.0	7
79	Eupatilin Inhibits Reactive Oxygen Species Generation via Akt/NF-κB/MAPK Signaling Pathways in Particulate Matter-Exposed Human Bronchial Epithelial Cells. Toxics, 2021, 9, 38.	3.7	7
80	Long-term efficacy and safety of 3D printed implant in patients with nasal septal deformities. European Archives of Oto-Rhino-Laryngology, 2022, 279, 1943-1950.	1.6	7
81	Postnatal regulation of B-1a cell development and survival by the CIC-PER2-BHLHE41 axis. Cell Reports, 2022, 38, 110386.	6.4	7
82	Implantation of encapsulated human septal chondrocytes into immunocompetent mice using alginate microfibers. Biochip Journal, 2015, 9, 67-75.	4.9	6
83	Risk Factors Predicting Nasoseptal Flap Failure in the Endoscopic Endonasal Transsphenoidal Approach. Journal of Craniofacial Surgery, 2017, 28, 468-471.	0.7	6
84	Evaluation of Polycaprolactone-Associated Human Nasal Chondrocytes as a Therapeutic Agent for Cartilage Repair. Tissue Engineering and Regenerative Medicine, 2019, 16, 605-614.	3.7	6
85	Indocyanine green fluorescence for parathyroid gland identification and function prediction: Systematic review and metaâ€analysis. Head and Neck, 2022, 44, 783-791.	2.0	6
86	Intranasal azelastine and mometasone exhibit a synergistic effect on a murine model of allergic rhinitis. American Journal of Otolaryngology - Head and Neck Medicine and Surgery, 2017, 38, 198-203.	1.3	5
87	Sex difference in IgE sensitization associated with alcohol consumption in the general population. Scientific Reports, 2019, 9, 12131.	3.3	5
88	Predictive value of ipsilateral central lymph node metastasis for contralateral central lymph node metastasis in patients with thyroid cancer: Systematic review and metaâ€analysis. Head and Neck, 2021, 43, 3177-3184.	2.0	5
89	Considerations for the Use of Biologic Agents in Patients With Chronic Rhinosinusitis With Nasal Polyposis. Clinical and Experimental Otorhinolaryngology, 2021, 14, 245-246.	2.1	5
90	Evaluation of characteristic of human turbinate derived mesenchymal stem cells cultured in the serum free media. PLoS ONE, 2017, 12, e0186249.	2.5	5

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91	Effectiveness of the Endoscopic Prelacrimal Recess Approach for Maxillary Sinus Inverted Papilloma Removal: A Systematic Review and Meta-Analysis. American Journal of Rhinology and Allergy, 2022, 36, 378-385.	2.0	5
92	Protective Effect of Human-Neural-Crest-Derived Nasal Turbinate Stem Cells against Amyloid-β Neurotoxicity through Inhibition of Osteopontin in a Human Cerebral Organoid Model of Alzheimer's Disease. Cells, 2022, 11, 1029.	4.1	5
93	Clinical significance of the sphenoidal process of the cartilaginous nasal septum: A preliminary morphological evaluation. Clinical Anatomy, 2010, 23, NA-NA.	2.7	4
94	Endoscopic Transseptal Approach with Bilateral Nasoseptal Flap in Challenging Skull-Base Tumors. World Neurosurgery, 2018, 115, e178-e184.	1.3	4
95	Long-term study on off-the-shelf tracheal graft: A conceptual approach for urgent implantation. Materials and Design, 2020, 185, 108218.	7.0	4
96	Effect of fluticasone propionate on human nasal fibroblasts exposed to urban particulate matter. Auris Nasus Larynx, 2020, 47, 415-424.	1.2	4
97	An Anatomic Study on the Maxillary Sinus Mucosal Thickness and the Distance between the Maxillary Sinus Ostium and Sinus Floor for the Maxillary Sinus Augmentation. Medicina (Lithuania), 2020, 56, 470.	2.0	4
98	Usefulness of intraoperative frozen section for diagnosing acute invasive fungal rhinosinusitis: A systematic review and metaâ€analysis. International Forum of Allergy and Rhinology, 2021, 11, 1347-1354.	2.8	4
99	Invagination of the Sphenoid Sinus Mucosa after Endoscopic Endonasal Transsphenoidal Approach and Its Significance. PLoS ONE, 2016, 11, e0162836.	2.5	4
100	Usefulness of Cervical Vestibular-Evoked Myogenic Potentials for Diagnosing Patients With Superior Canal Dehiscence Syndrome: A Meta-Analysis. Otology and Neurotology, 2022, 43, 146-152.	1.3	4
101	Changes in symptoms of Eustachian tube dysfunction after nasal surgery. European Archives of Oto-Rhino-Laryngology, 2022, 279, 5017-5023.	1.6	4
102	Is Septoplasty Necessary When Using the Endoscopic Endonasal Transsphenoidal Approach for a Deviated Nasal Septum?. Journal of Neurological Surgery, Part B: Skull Base, 2018, 79, 569-573.	0.8	3
103	The Ability of Conditioned Media From Stem Cells to Repair Vocal Fold Injuries. Laryngoscope, 2019, 129, 1867-1875.	2.0	3
104	Methylene Blue as a Diagnosis and Screening Tool for Oral Cancer and Precancer. Otolaryngology - Head and Neck Surgery, 2021, 164, 271-276.	1.9	3
105	Perioperative transcutaneous laryngeal ultrasonography to assess vocal cord function in thyroid surgery. American Journal of Surgery, 2022, 223, 893-899.	1.8	3
106	Predictive value of radiologic studies for malignant otitis externa: a systematic review and meta-analysis. Brazilian Journal of Otorhinolaryngology, 2021, , .	1.0	3
107	Application of the laboratory risk indicator for necrotizing fasciitis score to the head and neck: a systematic review and metaâ€analysis. ANZ Journal of Surgery, 2022, 92, 1631-1637.	0.7	3
108	The diagnostic accuracy of RT-PCR from self-collected saliva versus nasopharyngeal sampling. Journal of King Abdulaziz University, Islamic Economics, 2022, 43, 9-30.	1.1	3

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109	Usefulness of imaging studies for diagnosing and localizing cerebrospinal fluid rhinorrhea: A systematic review and metaâ€analysis. International Forum of Allergy and Rhinology, 2021, , .	2.8	3
110	Utility of Ultrasonography for Diagnosis of Salivary Gland Sialolithiasis: A Metaâ€Analysis. Laryngoscope, 2022, , .	2.0	3
111	Gene Transfection of Human Turbinate Mesenchymal Stromal Cells Derived from Human Inferior Turbinate Tissues. Stem Cells International, 2016, 2016, 1-10.	2.5	2
112	Utility of acoustic pharyngometry for screening of obstructive sleep apnea. Auris Nasus Larynx, 2020, 47, 435-442.	1.2	2
113	Efficacy of chemiluminescence in the diagnosis and screening of oral cancer and precancer: a systematic review and meta-analysis. Brazilian Journal of Otorhinolaryngology, 2022, 88, 358-364.	1.0	2
114	In vivo Oxygen Condition of Human Nasal Inferior Turbinate-Derived Stem Cells in Human Nose. Orl, 2020, 82, 86-92.	1.1	2
115	Human nasal septal chondrocytes (NSCs) preconditioned on NSC-derived matrix improve their chondrogenic potential. Biomaterials Research, 2021, 25, 10.	6.9	2
116	Comparison of Narrowband Imaging and White‣ight Endoscopy for Diagnosis and Screening of Nasopharyngeal Cancer. Otolaryngology - Head and Neck Surgery, 2022, 166, 795-801.	1.9	2
117	Therapeutic Potential of Human Nasal Inferior Turbinate-Derived Stem Cells: Microarray Analysis of Multilineage Differentiation. Orl, 2022, 84, 153-166.	1.1	2
118	Odorant Receptors Containing Conserved Amino Acid Sequences in Transmembrane Domain 7 Display Distinct Expression Patterns in Mammalian Tissues. Molecules and Cells, 2017, 40, 954-965.	2.6	2
119	Effects of Dental Factors on Fungal Sinusitis. Orl, 2022, 84, 309-314.	1.1	2
120	Development of a Human Respiratory Mucosa-on-a-chip using Decellularized Extracellular Matrix. Biochip Journal, 2020, 14, 279-289.	4.9	1
121	Effect of endoscopic endonasal skull base surgery on snoring. Laryngoscope Investigative Otolaryngology, 2020, 5, 344-347.	1.5	1
122	Development of Magnetically Driven Microrobots for Targeted Cell Delivery, and Their Characterization in in Vitro, Ex Vivo and in Vivo Environments. , 2020, , .		1
123	Anatomical Variations Associated With Maxillary Sinus Fungal Ball. Ear, Nose and Throat Journal, 2021, , 014556132110284.	0.8	1
124	Disease modeling and drug screening using human airway organoids: a systematic review. Organoid, 0, 1, e8.	0.0	1
125	Changes in the Sphenoid Bone Encountered During the Endoscopic Endonasal Transsphenoidal Approach. Laryngoscope, 2022, 132, 965-972.	2.0	1
126	Light microscopic evidence of in vivo differentiation from the transplanted inferior turbinate-derived stem cell into the rod photoreceptor in degenerating retina of the mouse. Applied Microscopy, 2020, 50, 11.	1.4	0