Nicole Rotter

List of Publications by Citations

64 papers	1,760 citations	23 h-index	41 g-index
72 ext. papers	2,009 ext. citations	4.5 avg, IF	4.37 L-index

#	Paper	IF	Citations
64	3D bioprinting of human chondrocyte-laden nanocellulose hydrogels for patient-specific auricular cartilage regeneration. *Bioprinting*, **2016**, 1-2, 22-35	7	172
63	Decellularized cartilage matrix as a novel biomatrix for cartilage tissue-engineering applications. *Tissue Engineering - Part A*, **2012**, 18, 2195-209	3.9	170
62	Cartilage reconstruction in head and neck surgery: comparison of resorbable polymer scaffolds for tissue engineering of human septal cartilage. *Journal of Biomedical Materials Research Part B*, **1998**, 42, 347-56		119
61	Biocompatibility evaluation of densified bacterial nanocellulose hydrogel as an implant material for auricular cartilage regeneration. *Applied Microbiology and Biotechnology*, **2014**, 98, 7423-35	5.7	105
60	Effect of matrix elasticity on the maintenance of the chondrogenic phenotype. *Tissue Engineering - Part A*, **2010**, 16, 1281-90	3.9	86
59	Age dependence of biochemical and biomechanical properties of tissue-engineered human septal cartilage. *Biomaterials*, **2002**, 23, 3087-94	15.6	85
58	Isolation and characterization of adult stem cells from human salivary glands. *Stem Cells and Development*, **2008**, 17, 509-18	4.4	84
57	Chondrocyte redifferentiation in 3D: the effect of adhesion site density and substrate elasticity. *Journal of Biomedical Materials Research - Part A*, **2012**, 100, 38-47	5.4	77
56	Age-related changes in the composition and mechanical properties of human nasal cartilage. *Archives of Biochemistry and Biophysics*, **2002**, 403, 132-40	4.1	59
55	Processed xenogenic cartilage as innovative biomatrix for cartilage tissue engineering: effects on chondrocyte differentiation and function. *Journal of Tissue Engineering and Regenerative Medicine*, **2015**, 9, E239-51	4.4	58
54	Glandular tissue from human pancreas and salivary gland yields similar stem cell populations. *European Journal of Cell Biology*, **2009**, 88, 409-21	6.1	52
53	Role for interleukin 1alpha in the inhibition of chondrogenesis in autologous implants using polyglycolic acid-polylactic acid scaffolds. *Tissue Engineering*, **2005**, 11, 192-200		51
52	Human nasal mucosa contains tissue-resident immunologically responsive mesenchymal stromal cells. *Stem Cells and Development*, **2010**, 19, 635-44	4.4	47
51	Cartilage and bone tissue engineering for reconstructive head and neck surgery. *European Archives of Oto-Rhino-Laryngology*, **2005**, 262, 539-45	3.5	47
50	Marine collagen scaffolds for nasal cartilage repair: prevention of nasal septal perforations in a new orthotopic rat model using tissue engineering techniques. *Tissue Engineering - Part A*, **2013**, 19, 2201-14	3.9	45
49	Bone marrow-derived mesenchymal stem cells migrate to healthy and damaged salivary glands following stem cell infusion. *International Journal of Oral Science*, **2014**, 6, 154-61	27.9	35
48	Cartilage tissue engineering using resorbable scaffolds. *Journal of Tissue Engineering and Regenerative Medicine*, **2007**, 1, 411-6	4.4	35

47	In vitro cytotoxicity and in vivo effects of a decellularized xenogeneic collagen scaffold in nasal cartilage repair. *Tissue Engineering - Part A*, **2014**, 20, 1668-78	3.9	33
46	Prefabrication of 3D cartilage contructs: towards a tissue engineered auricle--a model tested in rabbits. *PLoS ONE*, **2013**, 8, e71667	3.7	32
45	Cervical metastases of microcystic adnexal carcinoma in an otherwise healthy woman. *European Archives of Oto-Rhino-Laryngology*, **2003**, 260, 254-7	3.5	32
44	Age dependence of cellular properties of human septal cartilage: implications for tissue engineering. *JAMA Otolaryngology*, **2001**, 127, 1248-52		32
43	The influence of matrix elasticity on chondrocyte behavior in 3D. *Journal of Tissue Engineering and Regenerative Medicine*, **2012**, 6, e31-42	4.4	29
42	The characterisation of human respiratory epithelial cells cultured on resorbable scaffolds: first steps towards a tissue engineered tracheal replacement. *Biomaterials*, **2002**, 23, 1425-38	15.6	28
41	Cartilage engineering in reconstructive surgery: auricular, nasal and tracheal engineering from a surgical perspective. *Regenerative Medicine*, **2017**, 12, 303-314	2.5	23
40	Cartilage reconstruction in head and neck surgery: Comparison of resorbable polymer scaffolds for tissue engineering of human septal cartilage **1998**, 42, 347		21
39	Detection of paranasal ectopic adrenocorticotropic hormone-secreting pituitary adenoma by Ga-68-DOTANOC positron-emission tomography-computed tomography. *Laryngoscope*, **2013**, 123, 1132-5	2.6	20
38	The Oral Serine Protease Inhibitor WX-671 - First Experience in Patients with Advanced Head and Neck Carcinoma. *Breast Care*, **2008**, 3, 20-24	2.4	18
37	Tracheal remodeling: comparison of different composite cultures consisting of human respiratory epithelial cells and human chondrocytes. *In Vitro Cellular and Developmental Biology - Animal*, **2007**, 43, 28-36	2.6	18
36	Establishment of immortal multipotent rat salivary progenitor cell line toward salivary gland regeneration. *Tissue Engineering - Part C: Methods*, **2011**, 17, 69-78	2.9	14
35	Demonstration of nasopharyngeal surgery with a single port operator-controlled flexible endoscope system. *Head and Neck*, **2016**, 38, 370-4	4.2	12
34	Reconstruction of auricular cartilage using tissue-engineering techniques. *Operative Techniques in Otolaryngology - Head and Neck Surgery*, **2008**, 19, 278-284	0.4	12
33	Human salivary gland stem cells: isolation, propagation, and characterization. *Methods in Molecular Biology*, **2012**, 879, 403-42	1.4	10
32	Changes in the gene expression pattern of cytokeratins in human respiratory epithelial cells during culture. *European Archives of Oto-Rhino-Laryngology*, **2005**, 262, 390-6	3.5	9
31	Laser surface modification of decellularized extracellular cartilage matrix for cartilage tissue engineering. *Lasers in Medical Science*, **2018**, 33, 375-384	3.1	8
30	Human mesenchymal stromal cells from adipose tissue of the neck. *European Archives of Oto-Rhino-Laryngology*, **2012**, 269, 2561-70	3.5	7

29	The auricle‐cavum conchae composite graft in nasal reconstruction. *American Journal of Rhinology and Allergy*, **2013**, 27, e53-7	2.4	7
28	Impact of expansion and redifferentiation under hypothermia on chondrogenic capacity of cultured human septal chondrocytes. *Journal of Tissue Engineering*, **2017**, 8, 2041731417732655	7.5	6
27	Tyrosine Kinase Inhibition in HPV-related Squamous Cell Carcinoma Reveals Beneficial Expression of cKIT and Src. *Anticancer Research*, **2018**, 38, 2723-2731	2.3	6
26	Organotypic Co-Cultures as a Novel 3D Model for Head and Neck Squamous Cell Carcinoma. *Cancers*, **2020**, 12,	6.6	6
25	Cartilage regeneration using decellularized cartilage matrix: Long-term comparison of subcutaneous and intranasal placement in a rabbit model. *Journal of Cranio-Maxillo-Facial Surgery*, **2019**, 47, 682-694	3.6	5
24	Acoustic Properties of Collagenous Matrices of Xenogenic Origin for Tympanic Membrane Reconstruction. *Otology and Neurotology*, **2016**, 37, 692-7	2.6	5
23	Patient Benefit Following Bimodal CI-provision: Self-reported Abilities vs. Hearing Status. *Frontiers in Neurology*, **2018**, 9, 753	4.1	4
22	Nightly Hypoxia Does Not Seem to Lead to Otolith Dysfunction in Patients With Obstructive Sleep Apnea. *Ear, Nose and Throat Journal*, **2021**, 100, 667-672	1	3
21	Large German Multicenter Experience on the Treatment Outcome of 207 Patients With Adenoid Cystic Carcinoma of the Major Salivary Glands. *Frontiers in Oncology*, **2020**, 10, 593379	5.3	3
20	New bioreactor vessel for tissue engineering of human nasal septal chondrocytes. *Current Directions in Biomedical Engineering*, **2016**, 2, 319-322	0.5	3
19	The distribution patterns of COMP and matrilin-3 in septal, alar and triangular cartilages of the human nose. *Histochemistry and Cell Biology*, **2018**, 150, 291-300	2.4	2
18	Cartilage repair across germ layer origins. *Lancet, The*, **2016**, 388, 1957-1958	40	2
17	Enhanced cellular migration and prolonged chondrogenic differentiation in decellularized cartilage scaffolds under dynamic culture conditions. *Journal of Tissue Engineering and Regenerative Medicine* , **2021**,	4.4	2
16	Expression Patterns of CD44 and AREG Under Treatment With Selective Tyrosine Kinase Inhibitors in HPV and HPV Squamous Cell Carcinoma. *Cancer Genomics and Proteomics*, **2020**, 17, 579-585	3.3	2
15	Metastasis of pulmonary adenocarcinoma to the palatine tonsil. *Molecular and Clinical Oncology*, **2019**, 10, 231-234	1.6	2
14	Precision Medicine Gains Momentum: Novel 3D Models and Stem Cell-Based Approaches in Head and Neck Cancer. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 666515	5.7	2
13	Differences between human septal and alar cartilage with respect to biomechanical features and biochemical composition. *Journal of the Mechanical Behavior of Biomedical Materials*, **2019**, 96, 236-243	4.1	1
12	Effect of Small-molecule Tyrosine Kinase Inhibitors on PDGF-AA/BB and PDGFR Expression in SCC According to HPV16 Status. *Anticancer Research*, **2020**, 40, 825-835	2.3	1

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11	FGF Expression in HPV16-positive and -negative SCC After Treatment With Small-molecule Tyrosine Kinase Inhibitors and Everolimus. *Anticancer Research*, **2020**, 40, 5621-5630	2.3	1
10	Tyrosine Kinase Inhibitors and Everolimus Reduce IGF1R Expression in HPV16-positive and -negative Squamous Cell Carcinoma. *Anticancer Research*, **2020**, 40, 3847-3855	2.3	1
9	Alpha-synuclein is present in dental calculus but not altered in Parkinson's disease patients in comparison to controls. *Journal of Neurology*, **2018**, 265, 1334-1337	5.5	0
8	Automated bioreactor system for cartilage tissue engineering of human primary nasal septal chondrocytes. *Biomedizinische Technik*, **2017**, 62, 481-486	1.3	0
7	Indicators for secondary carcinoma in head and neck cancer patients following curative therapy: A retrospective clinical study. *Molecular and Clinical Oncology*, **2020**, 12, 403-410	1.6	0
6	Apoptosis-related Proteins Are Altered by Selective Tyrosine Kinase Inhibitors and Everolimus in HPV-dependent SCC. *Anticancer Research*, **2020**, 40, 6195-6203	2.3	0
5	Post-COVID-19 Impairment of the Senses of Smell, Taste, Hearing, and Balance. *Viruses*, **2022**, 14, 849	6.2	0
4	Changes in Vestibular Function in Patients With Head-and-Neck Cancer Undergoing Chemoradiation. *Ear, Nose and Throat Journal*, **2020**, 145561320949482	1	
3	HIF-1 and mTOR - Possible Novel Strategies of Targeted Therapies in p16-positive and -negative HNSCC. *Cancer Genomics and Proteomics*, **2018**, 15, 175-184	3.3	
2	The Keloid Intervention Benefit Inventory 21: A New Assessment Tool for the Quality of Life of Patients with Auricular Keloids. *Facial Plastic Surgery*, **2021**, 37, 370-375	1.2	
1	Histological Image Processing for the Assessment of Tissue Engineered Cartilage. *Current Directions in Biomedical Engineering*, **2018**, 4, 461-464	0.5	