

Nicole Rotter

List of Publications by Year in descending order

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Version: 2024-02-01

69
papers

2,260
citations

236833

25
h-index

223716

46
g-index

72
all docs

72
docs citations

72
times ranked

3039
citing authors

#	ARTICLE	IF	CITATIONS
1	3D bioprinting of human chondrocyte-laden nanocellulose hydrogels for patient-specific auricular cartilage regeneration. <i>Bioprinting</i> , 2016, 1-2, 22-35.	2.9	212
2	Decellularized Cartilage Matrix as a Novel Biomatrix for Cartilage Tissue-Engineering Applications. <i>Tissue Engineering - Part A</i> , 2012, 18, 2195-2209.	1.6	205
3	Cartilage reconstruction in head and neck surgery: Comparison of resorbable polymer scaffolds for tissue engineering of human septal cartilage. <i>Journal of Biomedical Materials Research Part B</i> , 1998, 42, 347-356.	3.0	141
4	Biocompatibility evaluation of densified bacterial nanocellulose hydrogel as an implant material for auricular cartilage regeneration. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 7423-7435.	1.7	129
5	Isolation and Characterization of Adult Stem Cells from Human Salivary Glands. <i>Stem Cells and Development</i> , 2008, 17, 509-518.	1.1	114
6	Effect of Matrix Elasticity on the Maintenance of the Chondrogenic Phenotype. <i>Tissue Engineering - Part A</i> , 2010, 16, 1281-1290.	1.6	109
7	Chondrocyte redifferentiation in 3D: The effect of adhesion site density and substrate elasticity. <i>Journal of Biomedical Materials Research - Part A</i> , 2012, 100A, 38-47.	2.1	93
8	Age dependence of biochemical and biomechanical properties of tissue-engineered human septal cartilage. <i>Biomaterials</i> , 2002, 23, 3087-3094.	5.7	91
9	Processed xenogenic cartilage as innovative biomatrix for cartilage tissue engineering: effects on chondrocyte differentiation and function. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2015, 9, E239-E251.	1.3	72
10	Age-related changes in the composition and mechanical properties of human nasal cartilage. <i>Archives of Biochemistry and Biophysics</i> , 2002, 403, 132-140.	1.4	71
11	Glandular tissue from human pancreas and salivary gland yields similar stem cell populations. <i>European Journal of Cell Biology</i> , 2009, 88, 409-421.	1.6	62
12	Cartilage and bone tissue engineering for reconstructive head and neck surgery. <i>European Archives of Oto-Rhino-Laryngology</i> , 2005, 262, 539-545.	0.8	61
13	Human Nasal Mucosa Contains Tissue-Resident Immunologically Responsive Mesenchymal Stromal Cells. <i>Stem Cells and Development</i> , 2010, 19, 635-644.	1.1	58
14	Role for Interleukin 1 β in the Inhibition of Chondrogenesis in Autologous Implants Using Polyglycolic Acid-Polylactic Acid Scaffolds. <i>Tissue Engineering</i> , 2005, 11, 192-200.	4.9	55
15	Marine Collagen Scaffolds for Nasal Cartilage Repair: Prevention of Nasal Septal Perforations in a New Orthotopic Rat Model Using Tissue Engineering Techniques. <i>Tissue Engineering - Part A</i> , 2013, 19, 2201-2214.	1.6	54
16	The influence of matrix elasticity on chondrocyte behavior in 3D. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2012, 6, e31-e42.	1.3	44
17	Bone marrow-derived mesenchymal stem cells migrate to healthy and damaged salivary glands following stem cell infusion. <i>International Journal of Oral Science</i> , 2014, 6, 154-161.	3.6	44
18	<i>In Vitro</i> Cytotoxicity and <i>In Vivo</i> Effects of a Decellularized Xenogeneic Collagen Scaffold in Nasal Cartilage Repair. <i>Tissue Engineering - Part A</i> , 2014, 20, 1668-1678.	1.6	42

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19	Age Dependence of Cellular Properties of Human Septal Cartilage. <i>JAMA Otolaryngology</i> , 2001, 127, 1248.	1.5	41
20	Cartilage tissue engineering using resorbable scaffolds. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2007, 1, 411-416.	1.3	39
21	Prefabrication of 3D Cartilage Constructs: Towards a Tissue Engineered Auricle – A Model Tested in Rabbits. <i>PLoS ONE</i> , 2013, 8, e71667.	1.1	38
22	Cervical metastases of microcystic adnexal carcinoma in an otherwise healthy woman. <i>European Archives of Oto-Rhino-Laryngology</i> , 2003, 260, 254-257.	0.8	34
23	The characterisation of human respiratory epithelial cells cultured on resorbable scaffolds: first steps towards a tissue engineered tracheal replacement. <i>Biomaterials</i> , 2002, 23, 1425-1438.	5.7	31
24	The Oral Serine Protease Inhibitor WX-671 – First Experience in Patients with Advanced Head and Neck Carcinoma. <i>Breast Care</i> , 2008, 3, 5-5.	0.8	27
25	Organotypic Co-Cultures as a Novel 3D Model for Head and Neck Squamous Cell Carcinoma. <i>Cancers</i> , 2020, 12, 2330.	1.7	27
26	Tracheal remodeling: comparison of different composite cultures consisting of human respiratory epithelial cells and human chondrocytes. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2007, 43, 28-36.	0.7	26
27	Cartilage engineering in reconstructive surgery: auricular, nasal and tracheal engineering from a surgical perspective. <i>Regenerative Medicine</i> , 2017, 12, 303-314.	0.8	26
28	Cartilage reconstruction in head and neck surgery: Comparison of resorbable polymer scaffolds for tissue engineering of human septal cartilage. <i>Journal of Biomedical Materials Research Part B</i> , 1998, 42, 347-356.	3.0	22
29	Detection of paranasal ectopic adrenocorticotrophic hormone-secreting pituitary adenoma by Ga ⁶⁸ DOTANOC positron emission tomography-computed tomography. <i>Laryngoscope</i> , 2013, 123, 1132-1135.	1.1	21
30	Establishment of Immortal Multipotent Rat Salivary Progenitor Cell Line Toward Salivary Gland Regeneration. <i>Tissue Engineering - Part C: Methods</i> , 2011, 17, 69-78.	1.1	16
31	Demonstration of nasopharyngeal surgery with a single port operator-controlled flexible endoscope system. <i>Head and Neck</i> , 2016, 38, 370-374.	0.9	15
32	Human Salivary Gland Stem Cells: Isolation, Propagation, and Characterization. <i>Methods in Molecular Biology</i> , 2012, 879, 403-442.	0.4	15
33	Reconstruction of auricular cartilage using tissue-engineering techniques. <i>Operative Techniques in Otolaryngology - Head and Neck Surgery</i> , 2008, 19, 278-284.	0.1	14
34	Cartilage regeneration using decellularized cartilage matrix: Long-term comparison of subcutaneous and intranasal placement in a rabbit model. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2019, 47, 682-694.	0.7	14
35	Precision Medicine Gains Momentum: Novel 3D Models and Stem Cell-Based Approaches in Head and Neck Cancer. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 666515.	1.8	14
36	Post-COVID-19 Impairment of the Senses of Smell, Taste, Hearing, and Balance. <i>Viruses</i> , 2022, 14, 849.	1.5	14

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37	The Auricle's Cavum conchae Composite Graft in Nasal Reconstruction. <i>American Journal of Rhinology and Allergy</i> , 2013, 27, e53-e57.	1.0	13
38	Changes in the gene expression pattern of cytokeratins in human respiratory epithelial cells during culture. <i>European Archives of Oto-Rhino-Laryngology</i> , 2005, 262, 390-396.	0.8	11
39	Laser surface modification of decellularized extracellular cartilage matrix for cartilage tissue engineering. <i>Lasers in Medical Science</i> , 2018, 33, 375-384.	1.0	11
40	Evaluation of Immunoregulatory Biomarkers on Plasma Small Extracellular Vesicles for Disease Progression and Early Therapeutic Response in Head and Neck Cancer. <i>Cells</i> , 2022, 11, 902.	1.8	9
41	Nightly Hypoxia Does Not Seem to Lead to Otolith Dysfunction in Patients With Obstructive Sleep Apnea. <i>Ear, Nose and Throat Journal</i> , 2021, 100, 667-672.	0.4	8
42	Human mesenchymal stromal cells from adipose tissue of the neck. <i>European Archives of Oto-Rhino-Laryngology</i> , 2012, 269, 2561-2570.	0.8	7
43	Acoustic Properties of Collagenous Matrices of Xenogenic Origin for Tympanic Membrane Reconstruction. <i>Otology and Neurotology</i> , 2016, 37, 692-697.	0.7	7
44	Automated bioreactor system for cartilage tissue engineering of human primary nasal septal chondrocytes. <i>Biomedizinische Technik</i> , 2017, 62, 481-486.	0.9	7
45	Large German Multicenter Experience on the Treatment Outcome of 207 Patients With Adenoid Cystic Carcinoma of the Major Salivary Glands. <i>Frontiers in Oncology</i> , 2020, 10, 593379.	1.3	7
46	Effect of Small-molecule Tyrosine Kinase Inhibitors on PDGF-AA/BB and PDGFR α/β Expression in SCC According to HPV16 Status. <i>Anticancer Research</i> , 2020, 40, 825-835.	0.5	7
47	Biomarkers and 3D models predicting response to immune checkpoint blockade in head and neck cancer (Review). <i>International Journal of Oncology</i> , 2022, 61, .	1.4	7
48	Impact of expansion and redifferentiation under hypothermia on chondrogenic capacity of cultured human septal chondrocytes. <i>Journal of Tissue Engineering</i> , 2017, 8, 204173141773265.	2.3	6
49	Tyrosine Kinase Inhibition in HPV-related Squamous Cell Carcinoma Reveals Beneficial Expression of cKIT and Src. <i>Anticancer Research</i> , 2018, 38, 2723-2731.	0.5	6
50	Patient Benefit Following Bimodal CI-provision: Self-reported Abilities vs. Hearing Status. <i>Frontiers in Neurology</i> , 2018, 9, 753.	1.1	5
51	Enhanced cellular migration and prolonged chondrogenic differentiation in decellularized cartilage scaffolds under dynamic culture conditions. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2022, 16, 36-50.	1.3	5
52	Modulation of the inflammatory response to decellularized collagen matrix for cartilage regeneration. <i>Journal of Biomedical Materials Research - Part A</i> , 2022, 110, 1021-1035.	2.1	5
53	Cartilage repair across germ layer origins. <i>Lancet, The</i> , 2016, 388, 1957-1958.	6.3	4
54	Metastasis of pulmonary adenocarcinoma to the palatine tonsil. <i>Molecular and Clinical Oncology</i> , 2019, 10, 231-234.	0.4	4

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55	Expression Patterns of CD44 and AREG Under Treatment With Selective Tyrosine Kinase Inhibitors in HPV ⁺ and HPV ⁻ Squamous Cell Carcinoma. <i>Cancer Genomics and Proteomics</i> , 2020, 17, 579-585.	1.0	4
56	An <i>in vitro</i> study on the effect of bevacizumab on endothelial cell proliferation and VEGF concentration level in patients with hereditary hemorrhagic telangiectasia. <i>Experimental and Therapeutic Medicine</i> , 2022, 24, .	0.8	4
57	New bioreactor vessel for tissue engineering of human nasal septal chondrocytes. <i>Current Directions in Biomedical Engineering</i> , 2016, 2, 319-322.	0.2	3
58	The distribution patterns of COMP and matrilin-3 in septal, alar and triangular cartilages of the human nose. <i>Histochemistry and Cell Biology</i> , 2018, 150, 291-300.	0.8	3
59	Indicators for secondary carcinoma in head and neck cancer patients following curative therapy: A retrospective clinical study. <i>Molecular and Clinical Oncology</i> , 2020, 12, 403-410.	0.4	3
60	Apoptosis-related Proteins Are Altered by Selective Tyrosine Kinase Inhibitors and Everolimus in HPV-dependent SCC. <i>Anticancer Research</i> , 2020, 40, 6195-6203.	0.5	2
61	FGF Expression in HPV16-positive and -negative SCC After Treatment With Small-molecule Tyrosine Kinase Inhibitors and Everolimus. <i>Anticancer Research</i> , 2020, 40, 5621-5630.	0.5	2
62	Alpha-synuclein is present in dental calculus but not altered in Parkinson's disease patients in comparison to controls. <i>Journal of Neurology</i> , 2018, 265, 1334-1337.	1.8	1
63	Differences between human septal and alar cartilage with respect to biomechanical features and biochemical composition. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019, 96, 236-243.	1.5	1
64	Tyrosine Kinase Inhibitors and Everolimus Reduce IGF1R Expression in HPV16-positive and -negative Squamous Cell Carcinoma. <i>Anticancer Research</i> , 2020, 40, 3847-3855.	0.5	1
65	HIF-1 α and mTOR – Possible Novel Strategies of Targeted Therapies in p16-positive and -negative HNSCC. <i>Cancer Genomics and Proteomics</i> , 2018, 15, 175-184.	1.0	1
66	Histological Image Processing for the Assessment of Tissue Engineered Cartilage. <i>Current Directions in Biomedical Engineering</i> , 2018, 4, 461-464.	0.2	0
67	The Keloid Intervention Benefit Inventory 21: A New Assessment Tool for the Quality of Life of Patients with Auricular Keloids. <i>Facial Plastic Surgery</i> , 2021, 37, 370-375.	0.5	0
68	Changes in Vestibular Function in Patients With Head-and-Neck Cancer Undergoing Chemoradiation. <i>Ear, Nose and Throat Journal</i> , 2020, , 014556132094948.	0.4	0
69	Modeling perichondrium-cartilage interactions in vitro. <i>Laryngo- Rhino- Otologie</i> , 2022, , .	0.2	0