

Rogério M Castilho

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

97
papers

3,582
citations

29
h-index

58
g-index

105
ext. papers

4,231
ext. citations

5
avg, IF

5.35
L-index

#	Paper	IF	Citations
97	Augmented Wnt signaling in a mammalian model of accelerated aging. <i>Science</i> , 2007 , 317, 803-6	33.3	599
96	mTOR mediates Wnt-induced epidermal stem cell exhaustion and aging. <i>Cell Stem Cell</i> , 2009 , 5, 279-89	18	298
95	Dysregulated molecular networks in head and neck carcinogenesis. <i>Oral Oncology</i> , 2009 , 45, 324-34	4.4	276
94	Semaphorin 4D provides a link between axon guidance processes and tumor-induced angiogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 9017-22	11.5	170
93	Molecular cross-talk between the NFkappaB and STAT3 signaling pathways in head and neck squamous cell carcinoma. <i>Neoplasia</i> , 2006 , 8, 733-46	6.4	137
92	Accelerated wound healing by mTOR activation in genetically defined mouse models. <i>PLoS ONE</i> , 2010 , 5, e10643	3.7	127
91	Inhibition of histone deacetylase impacts cancer stem cells and induces epithelial-mesenchyme transition of head and neck cancer. <i>PLoS ONE</i> , 2013 , 8, e58672	3.7	93
90	PTEN deficiency contributes to the development and progression of head and neck cancer. <i>Neoplasia</i> , 2013 , 15, 461-71	6.4	89
89	TRIP13 promotes error-prone nonhomologous end joining and induces chemoresistance in head and neck cancer. <i>Nature Communications</i> , 2014 , 5, 4527	17.4	81
88	Epigenetic Modifications and Head and Neck Cancer: Implications for Tumor Progression and Resistance to Therapy. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	80
87	Chemoprevention and treatment of experimental Cowden's disease by mTOR inhibition with rapamycin. <i>Cancer Research</i> , 2008 , 68, 7066-72	10.1	79
86	Rac1 is required for epithelial stem cell function during dermal and oral mucosal wound healing but not for tissue homeostasis in mice. <i>PLoS ONE</i> , 2010 , 5, e10503	3.7	79
85	Epigenetics and its role in periodontal diseases: a state-of-the-art review. <i>Journal of Periodontology</i> , 2015 , 86, 556-68	4.6	72
84	NFB mediates cisplatin resistance through histone modifications in head and neck squamous cell carcinoma (HNSCC). <i>FEBS Open Bio</i> , 2014 , 4, 96-104	2.7	72
83	Epigenetic Modifications of Histones in Periodontal Disease. <i>Journal of Dental Research</i> , 2016 , 95, 215-223	28.1	69
82	A role for COX2-derived PGE2 and PGE2-receptor subtypes in head and neck squamous carcinoma cell proliferation. <i>Oral Oncology</i> , 2010 , 46, 880-7	4.4	64
81	Dental implants-associated release of titanium particles: A systematic review. <i>Clinical Oral Implants Research</i> , 2018 , 29, 1085-1100	4.8	59

80	Exploiting PI3K/mTOR signaling to accelerate epithelial wound healing. <i>Oral Diseases</i> , 2013 , 19, 551-8	3.5	55
79	ALDH/CD44 identifies uniquely tumorigenic cancer stem cells in salivary gland mucoepidermoid carcinomas. <i>Oncotarget</i> , 2015 , 6, 26633-50	3.3	49
78	Requirement of Rac1 distinguishes follicular from interfollicular epithelial stem cells. <i>Oncogene</i> , 2007 , 26, 5078-85	9.2	47
77	Immunohistochemical evidence of PTEN in oral squamous cell carcinoma and its correlation with the histological malignancy grading system. <i>Journal of Oral Pathology and Medicine</i> , 2002 , 31, 379-84	3.3	42
76	Characterization of tumorigenic cell lines from the recurrence and lymph node metastasis of a human salivary mucoepidermoid carcinoma. <i>Oral Oncology</i> , 2013 , 49, 1059-66	4.4	41
75	Efficacy of laser phototherapy in comparison to topical clobetasol for the treatment of oral lichen planus: a randomized controlled trial. <i>Journal of Biomedical Optics</i> , 2014 , 19, 068002	3.5	39
74	Laser phototherapy accelerates oral keratinocyte migration through the modulation of the mammalian target of rapamycin signaling pathway. <i>Journal of Biomedical Optics</i> , 2014 , 19, 028002	3.5	38
73	Osteolipoma: a rare lesion in the oral cavity. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2004 , 42, 363-4	1.4	37
72	Hypoacetylation of acetyl-histone H3 (H3K9ac) as marker of poor prognosis in oral cancer. <i>Histopathology</i> , 2017 , 71, 278-286	7.3	36
71	Characterization of macrophage polarization in periodontal disease. <i>Journal of Clinical Periodontology</i> , 2019 , 46, 830-839	7.7	35
70	Periostin responds to mechanical stress and tension by activating the MTOR signaling pathway. <i>PLoS ONE</i> , 2013 , 8, e83580	3.7	35
69	PI3K-PTEN dysregulation leads to mTOR-driven upregulation of the core clock gene BMAL1 in normal and malignant epithelial cells. <i>Oncotarget</i> , 2016 , 7, 42393-42407	3.3	31
68	Titanium Activates the DNA Damage Response Pathway in Oral Epithelial Cells: A Pilot Study. <i>International Journal of Oral and Maxillofacial Implants</i> , 2017 , 32, 1413-1420	2.8	27
67	Cancer Stem Cells: Powerful Targets to Improve Current Anticancer Therapeutics. <i>Stem Cells International</i> , 2019 , 2019, 9618065	5	27
66	Unlocking the chromatin of adenoid cystic carcinomas using HDAC inhibitors sensitize cancer stem cells to cisplatin and induces tumor senescence. <i>Stem Cell Research</i> , 2017 , 21, 94-105	1.6	26
65	Sensitizing mucoepidermoid carcinomas to chemotherapy by targeted disruption of cancer stem cells. <i>Oncotarget</i> , 2016 , 7, 42447-42460	3.3	26
64	FGFR signaling regulates resistance of head and neck cancer stem cells to cisplatin. <i>Oncotarget</i> , 2018 , 9, 25148-25165	3.3	25
63	Histone modifications: Targeting head and neck cancer stem cells. <i>World Journal of Stem Cells</i> , 2014 , 6, 511-25	5.6	24

62	Curcumin downregulates the PI3K-AKT-mTOR pathway and inhibits growth and progression in head and neck cancer cells. <i>Phytotherapy Research</i> , 2020 , 34, 3311-3324	6.7	23
61	Association or Causation? Exploring the Oral Microbiome and Cancer Links. <i>Journal of Dental Research</i> , 2020 , 99, 1411-1424	8.1	22
60	Immunotherapy improves efficacy and safety of patients with HPV positive and negative head and neck cancer: A systematic review and meta-analysis. <i>Critical Reviews in Oncology/Hematology</i> , 2020 , 150, 102966	7	21
59	Epigenetic Modifications and Accumulation of DNA Double-Strand Breaks in Oral Lichen Planus Lesions Presenting Poor Response to Therapy. <i>Medicine (United States)</i> , 2015 , 94, e997	1.8	21
58	Profiling the Behavior of Distinct Populations of Head and Neck Cancer Stem Cells. <i>Cancers</i> , 2016 , 8,	6.6	21
57	When epigenetics meets bioengineering-A material characteristics and surface topography perspective. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2018 , 106, 2065-2071	3.5	19
56	Characterization of macrophages infiltrating peri-implantitis lesions. <i>Clinical Oral Implants Research</i> , 2020 , 31, 274-281	4.8	18
55	HPV Infection of the Head and Neck Region and Its Stem Cells. <i>Journal of Dental Research</i> , 2015 , 94, 1538-43	4.3	17
54	Evaluation of DNA methylation of inflammatory genes following treatment of chronic periodontitis: A pilot case-control study. <i>Journal of Clinical Periodontology</i> , 2017 , 44, 905-914	7.7	17
53	Targeting histone deacetylase and NF κ B signaling as a novel therapy for Mucoepidermoid Carcinomas. <i>Scientific Reports</i> , 2018 , 8, 2065	4.9	16
52	Laser phototherapy triggers the production of reactive oxygen species in oral epithelial cells without inducing DNA damage. <i>Journal of Biomedical Optics</i> , 2014 , 19, 048002	3.5	15
51	Overcoming adaptive resistance in mucoepidermoid carcinoma through inhibition of the IKK- β /NF κ B axis. <i>Oncotarget</i> , 2016 , 7, 73032-73044	3.3	15
50	Histones: Controlling Tumor Signaling Circuitry. <i>Journal of Carcinogenesis & Mutagenesis</i> , 2013 , 1, 1-12	1	15
49	PTEN Mediates Activation of Core Clock Protein BMAL1 and Accumulation of Epidermal Stem Cells. <i>Stem Cell Reports</i> , 2017 , 9, 304-314	8	14
48	mTOR pathway protein immunoexpression as a prognostic factor for survival in head and neck cancer patients: a systematic review and meta-analysis. <i>Journal of Oral Pathology and Medicine</i> , 2016 , 45, 319-28	3.3	14
47	Ablation of Cancer Stem Cells by Therapeutic Inhibition of the MDM2-p53 Interaction in Mucoepidermoid Carcinoma. <i>Clinical Cancer Research</i> , 2019 , 25, 1588-1600	12.9	13
46	Overexpression of MutS β Complex Proteins Predicts Poor Prognosis in Oral Squamous Cell Carcinoma. <i>Medicine (United States)</i> , 2016 , 95, e3725	1.8	11
45	Histogenesis of keratoacanthoma: histochemical and immunohistochemical study. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2015 , 119, 310-7	2	11

44	Zirconia Implants and Marginal Bone Loss: A Systematic Review and Meta-Analysis of Clinical Studies. <i>International Journal of Oral and Maxillofacial Implants</i> , 2020 , 35, 707-720	2.8	11
43	DNA intercalators based on (1,10-phenanthrolin-2-yl)isoxazolidin-5-yl core with better growth inhibition and selectivity than cisplatin upon head and neck squamous cells carcinoma. <i>European Journal of Medicinal Chemistry</i> , 2018 , 143, 583-590	6.8	11
42	UM-HACC-2A: MYB-NFIB fusion-positive human adenoid cystic carcinoma cell line. <i>Oral Oncology</i> , 2018 , 87, 21-28	4.4	11
41	Targeting MDM2 for Treatment of Adenoid Cystic Carcinoma. <i>Clinical Cancer Research</i> , 2016 , 22, 3550-9	12.9	10
40	Metformin-loaded nanospheres-laden photocrosslinkable gelatin hydrogel for bone tissue engineering. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021 , 116, 104293	4.1	10
39	Reduced chromatin acetylation of malignant salivary gland tumors correlates with enhanced proliferation. <i>Journal of Oral Pathology and Medicine</i> , 2017 , 46, 792-797	3.3	9
38	Hypoxic niches are endowed with a protumorigenic mechanism that supersedes the protective function of PTEN. <i>FASEB Journal</i> , 2019 , 33, 13435-13449	0.9	9
37	Interference with the bromodomain epigenome readers drives p21 expression and tumor senescence. <i>Cancer Letters</i> , 2019 , 461, 10-20	9.9	9
36	Histones Acetylation and Cancer Stem Cells (CSCs). <i>Methods in Molecular Biology</i> , 2018 , 1692, 179-193	1.4	8
35	Immunohistological composition of peri-implantitis affected tissue around ceramic implants-A pilot study. <i>Journal of Periodontology</i> , 2021 , 92, 571-579	4.6	8
34	Serendipitous discovery of potent human head and neck squamous cell carcinoma anti-cancer molecules: A fortunate failure of a rational molecular design. <i>European Journal of Medicinal Chemistry</i> , 2017 , 141, 188-196	6.8	7
33	Skin wound healing triggers epigenetic modifications of histone H4. <i>Journal of Translational Medicine</i> , 2020 , 18, 138	8.5	6
32	Cyclin D1-induced proliferation is independent of beta-catenin in head and neck cancer. <i>Oral Diseases</i> , 2014 , 20, e42-8	3.5	6
31	Keratoacanthoma of the Lip: Activation of the mTOR Pathway, Tumor Suppressor Proteins, and Tumor Senescence. <i>Medicine (United States)</i> , 2015 , 94, e1552	1.8	5
30	p53 and Cell Fate: Sensitizing Head and Neck Cancer Stem Cells to Chemotherapy. <i>Critical Reviews in Oncogenesis</i> , 2018 , 23, 173-187	1.3	5
29	SCF/C-Kit Signaling Induces Self-Renewal of Dental Pulp Stem Cells. <i>Journal of Endodontics</i> , 2020 , 46, S56-S62	4.7	5
28	Synergistic efficacy of combined EGFR and HDAC inhibitors overcomes tolerance to EGFR monotherapy in salivary mucoepidermoid carcinoma. <i>Oral Oncology</i> , 2021 , 115, 105166	4.4	5
27	Interfering with bromodomain epigenome readers as therapeutic option in mucoepidermoid carcinoma. <i>Cellular Oncology (Dordrecht)</i> , 2019 , 42, 143-155	7.2	5

26	BMAL1 Modulates Epidermal Healing in a Process Involving the Antioxidative Defense Mechanism. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	4
25	Entinostat is a novel therapeutic agent to treat oral squamous cell carcinoma. <i>Journal of Oral Pathology and Medicine</i> , 2020 , 49, 771-779	3.3	4
24	Head and neck cancer patient-derived xenograft models - A systematic review. <i>Critical Reviews in Oncology/Hematology</i> , 2020 , 155, 103087	7	4
23	New tendencies in non-surgical periodontal therapy. <i>Brazilian Oral Research</i> , 2021 , 35, e095	2.6	4
22	Immunoprofile of c-MET/PI3K signaling in human salivary gland tumors. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2015 , 120, 238-47	2	3
21	Asparaginase induces selective dose- and time-dependent cytotoxicity, apoptosis, and reduction of NFB expression in oral cancer cells. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2020 , 47, 857-866	3	3
20	Comparative analysis between extra-short implants (16mm) and 6mm-longer implants: A Meta-Analysis of Randomized Controlled Trial.. <i>Australian Dental Journal</i> , 2022 ,	2.3	3
19	Photobiomodulation therapy drives massive epigenetic histone modifications, stem cells mobilization and accelerated epithelial healing. <i>Journal of Biophotonics</i> , 2021 , 14, e202000274	3.1	3
18	Clinical Performance Comparing Titanium and TitaniumZirconium or Zirconia Dental Implants: A Systematic Review of Randomized Controlled Trials. <i>Dentistry Journal</i> , 2022 , 10, 83	3.1	3
17	The impact of photobiomodulation therapy on the biology and behavior of head and neck squamous cell carcinomas cell lines. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020 , 209, 111924	6.7	2
16	Pharmacological PTEN inhibition: potential clinical applications and effects in tissue regeneration. <i>Regenerative Medicine</i> , 2020 , 15, 1329-1344	2.5	2
15	Topical delivery of mTOR inhibitor halts scarring. <i>Journal of Dermatological Science</i> , 2019 , 95, 76-79	4.3	2
14	Worldwide prevalence of PI3K-AKT-mTOR pathway mutations in head and neck cancer: A systematic review and meta-analysis. <i>Critical Reviews in Oncology/Hematology</i> , 2021 , 160, 103284	7	2
13	Epigenetic modulation of the tumor microenvironment in head and neck cancer: Challenges and opportunities. <i>Critical Reviews in Oncology/Hematology</i> , 2021 , 164, 103397	7	2
12	PI3K/AKT/mTOR pathway activation in actinic cheilitis and lip squamous cell carcinomas. <i>Journal of the European Academy of Dermatology and Venereology</i> , 2020 , 34, e505-e506	4.6	1
11	Can propranolol act as a chemopreventive agent during oral carcinogenesis? An experimental animal study. <i>European Journal of Cancer Prevention</i> , 2021 , 30, 315-321	2	1
10	The IL-6R and Bmi-1 axis controls self-renewal and chemoresistance of head and neck cancer stem cells. <i>Cell Death and Disease</i> , 2021 , 12, 988	9.8	1
9	Cephaeline is an inducer of histone H3 acetylation and inhibitor of mucoepidermoid carcinoma cancer stem cells. <i>Journal of Oral Pathology and Medicine</i> , 2021 ,	3.3	1

8	Expression profile of DNA repair proteins and histone H3 lys-9 acetylation in cutaneous and oral lichen planus. <i>Archives of Oral Biology</i> , 2020 , 119, 104880	2.8	1
7	DNA methyltransferase expression is associated with cell proliferation in salivary mucoepidermoid carcinoma. <i>Journal of Oral Pathology and Medicine</i> , 2020 , 49, 1053-1060	3.3	1
6	The Wnt/ β catenin Signaling Circuitry in Head and Neck Cancer 2014 , 199-214		1
5	Histone Modification on Parathyroid Tumors: A Review of Epigenetics. <i>International Journal of Molecular Sciences</i> , 2022 , 23, 5378	6.3	1
4	From Tissue Physoxia to Cancer Hypoxia, Cost-Effective Methods to Study Tissue-Specific O ₂ Levels in Cellular Biology. <i>International Journal of Molecular Sciences</i> , 2022 , 23, 5633	6.3	1
3	miR-22 and miR-205 Drive Tumor Aggressiveness of Mucoepidermoid Carcinomas of Salivary Glands.. <i>Frontiers in Oncology</i> , 2021 , 11, 786150	5.3	0
2	Loss of PTEN sensitizes head and neck squamous cell carcinoma to 5-AZA-2-Deoxycytidine. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2020 , 130, 181-190	2	
1	MutS β expression predicts a lower disease-free survival in malignant salivary gland tumors: an immunohistochemical study.. <i>Medicina Oral, Patologia Oral Y Cirugia Bucal</i> , 2022 , 27, e164-e173	2.6	