

Rogério M Castilho

List of Publications by Year in descending order

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104
papers

4,836
citations

101384

36
h-index

102304

66
g-index

105
all docs

105
docs citations

105
times ranked

7084
citing authors

#	ARTICLE	IF	CITATIONS
1	Augmented Wnt Signaling in a Mammalian Model of Accelerated Aging. <i>Science</i> , 2007, 317, 803-806.	6.0	683
2	mTOR Mediates Wnt-Induced Epidermal Stem Cell Exhaustion and Aging. <i>Cell Stem Cell</i> , 2009, 5, 279-289.	5.2	356
3	Dysregulated molecular networks in head and neck carcinogenesis. <i>Oral Oncology</i> , 2009, 45, 324-334.	0.8	317
4	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, 9017-9022.	3.3	190
5	Accelerated Wound Healing by mTOR Activation in Genetically Defined Mouse Models. <i>PLoS ONE</i> , 2010, 5, e10643.	1.1	158
6	Molecular Cross-Talk between the NF κ B and STAT3 Signaling Pathways in Head and Neck Squamous Cell Carcinoma. <i>Neoplasia</i> , 2006, 8, 733-746.	2.3	150
7	TRIP13 promotes error-prone nonhomologous end joining and induces chemoresistance in head and neck cancer. <i>Nature Communications</i> , 2014, 5, 4527.	5.8	129
8	Epigenetic Modifications and Head and Neck Cancer: Implications for Tumor Progression and Resistance to Therapy. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1506.	1.8	129
9	Dental implants-associated release of titanium particles: A systematic review. <i>Clinical Oral Implants Research</i> , 2018, 29, 1085-1100.	1.9	117
10	PTEN Deficiency Contributes to the Development and Progression of Head and Neck Cancer. <i>Neoplasia</i> , 2013, 15, 461-471.	2.3	111
11	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.	1.1	111
12	Epigenetic Modifications of Histones in Periodontal Disease. <i>Journal of Dental Research</i> , 2016, 95, 215-222.	2.5	97
13	Chemoprevention and Treatment of Experimental Cowden's Disease by mTOR Inhibition with Rapamycin. <i>Cancer Research</i> , 2008, 68, 7066-7072.	0.4	92
14	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.	1.1	92
15	NF κ B mediates cisplatin resistance through histone modifications in head and neck squamous cell carcinoma (HNSCC). <i>FEBS Open Bio</i> , 2014, 4, 96-104.	1.0	91
16	Epigenetics and Its Role in Periodontal Diseases: A State-of-the-Art Review. <i>Journal of Periodontology</i> , 2015, 86, 556-568.	1.7	86
17	Exploiting PI3K/mTOR signaling to accelerate epithelial wound healing. <i>Oral Diseases</i> , 2013, 19, 551-558.	1.5	78
18	A role for COX2-derived PGE2 and PGE2-receptor subtypes in head and neck squamous carcinoma cell proliferation. <i>Oral Oncology</i> , 2010, 46, 880-887.	0.8	74

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19	Characterization of macrophage polarization in periodontal disease. <i>Journal of Clinical Periodontology</i> , 2019, 46, 830-839.	2.3	70
20	ALDH/CD44 identifies uniquely tumorigenic cancer stem cells in salivary gland mucoepidermoid carcinomas. <i>Oncotarget</i> , 2015, 6, 26633-26650.	0.8	59
21	Requirement of Rac1 distinguishes follicular from interfollicular epithelial stem cells. <i>Oncogene</i> , 2007, 26, 5078-5085.	2.6	54
22	Hypoacetylation of acetylated histone H3 (H3K9ac) as marker of poor prognosis in oral cancer. <i>Histopathology</i> , 2017, 71, 278-286.	1.6	53
23	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.	1.4	52
24	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, 379-384.	1.4	51
25	Characterization of tumorigenic cell lines from the recurrence and lymph node metastasis of a human salivary mucoepidermoid carcinoma. <i>Oral Oncology</i> , 2013, 49, 1059-1066.	0.8	50
26	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.	1.4	47
27	Characterization of macrophages infiltrating peri-implantitis lesions. <i>Clinical Oral Implants Research</i> , 2020, 31, 274-281.	1.9	47
28	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.	2.8	47
29	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.	0.6	46
30	Periostin Responds to Mechanical Stress and Tension by Activating the MTOR Signaling Pathway. <i>PLoS ONE</i> , 2013, 8, e83580.	1.1	46
31	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.	2.0	45
32	Cancer Stem Cells: Powerful Targets to Improve Current Anticancer Therapeutics. <i>Stem Cells International</i> , 2019, 2019, 1-15.	1.2	44
33	Osteolipoma: a rare lesion in the oral cavity. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2004, 42, 363-364.	0.4	43
34	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.	0.3	43
35	Association or Causation? Exploring the Oral Microbiome and Cancer Links. <i>Journal of Dental Research</i> , 2020, 99, 1411-1424.	2.5	43
36	PI3K-PTEN dysregulation leads to mTOR-driven upregulation of the core clock gene BMAL1 in normal and malignant epithelial cells. <i>Oncotarget</i> , 0, 7, 42393-42407.	0.8	41

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37	FGFR signaling regulates resistance of head and neck cancer stem cells to cisplatin. <i>Oncotarget</i> , 2018, 9, 25148-25165.	0.8	39
38	Histone modifications: Targeting head and neck cancer stem cells. <i>World Journal of Stem Cells</i> , 2014, 6, 511.	1.3	31
39	Sensitizing mucoepidermoid carcinomas to chemotherapy by targeted disruption of cancer stem cells. <i>Oncotarget</i> , 0, 7, 42447-42460.	0.8	30
40	mTOR pathway protein immunoeexpression 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, 319-328.	1.4	29
41	Metformin-loaded nanospheres-laden photocrosslinkable gelatin hydrogel for bone tissue engineering. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021, 116, 104293.	1.5	29
42	HPV Infection of the Head and Neck Region and Its Stem Cells. <i>Journal of Dental Research</i> , 2015, 94, 1532-1543.	2.5	28
43	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.	1.6	28
44	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.	2.7	27
45	Profiling the Behavior of Distinct Populations of Head and Neck Cancer Stem Cells. <i>Cancers</i> , 2016, 8, 7.	1.7	25
46	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.	0.4	24
47	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.	2.3	24
48	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.	0.6	24
49	UM-HACC-2A: MYB-NFIB fusion-positive human adenoid cystic carcinoma cell line. <i>Oral Oncology</i> , 2018, 87, 21-28.	0.8	23
50	Overexpression of MutS± Complex Proteins Predicts Poor Prognosis in Oral Squamous Cell Carcinoma. <i>Medicine (United States)</i> , 2016, 95, e3725.	0.4	22
51	PTEN Mediates Activation of Core Clock Protein BMAL1 and Accumulation of Epidermal Stem Cells. <i>Stem Cell Reports</i> , 2017, 9, 304-314.	2.3	22
52	Immunohistological composition of peri-implantitis affected tissue around ceramic implants—A pilot study. <i>Journal of Periodontology</i> , 2021, 92, 571-579.	1.7	22
53	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.	1.4	21
54	Targeting histone deacetylase and NF-κB signaling as a novel therapy for Mucoepidermoid Carcinomas. <i>Scientific Reports</i> , 2018, 8, 2065.	1.6	20

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55	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.	2.6	19
56	Histones: Controlling Tumor Signaling Circuitry. <i>Journal of Carcinogenesis & Mutagenesis</i> , 2013, 1, 1-12.	0.3	18
57	Hypoxic niches are endowed with a protumorigenic mechanism that supersedes the protective function of PTEN. <i>FASEB Journal</i> , 2019, 33, 13435-13449.	0.2	17
58	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.	3.2	17
59	New tendencies in non-surgical periodontal therapy. <i>Brazilian Oral Research</i> , 2021, 35, e095.	0.6	17
60	Overcoming adaptive resistance in mucoepidermoid carcinoma through inhibition of the IKK- β /I κ B/NF κ B axis. <i>Oncotarget</i> , 2016, 7, 73032-73044.	0.8	16
61	Reduced chromatin acetylation of malignant salivary gland tumors correlates with enhanced proliferation. <i>Journal of Oral Pathology and Medicine</i> , 2017, 46, 792-797.	1.4	15
62	Interference with the bromodomain epigenome readers drives p21 expression and tumor senescence. <i>Cancer Letters</i> , 2019, 461, 10-20.	3.2	15
63	BMAL1 Modulates Epidermal Healing in a Process Involving the Antioxidative Defense Mechanism. <i>International Journal of Molecular Sciences</i> , 2020, 21, 901.	1.8	14
64	Histogenesis of keratoacanthoma: histochemical and immunohistochemical study. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2015, 119, 310-317.	0.2	13
65	Targeting MDM2 for Treatment of Adenoid Cystic Carcinoma. <i>Clinical Cancer Research</i> , 2016, 22, 3550-3559.	3.2	13
66	Skin wound healing triggers epigenetic modifications of histone H4. <i>Journal of Translational Medicine</i> , 2020, 18, 138.	1.8	13
67	Synergistic efficacy of combined EGFR and HDAC inhibitors overcomes tolerance to EGFR monotherapy in salivary mucoepidermoid carcinoma. <i>Oral Oncology</i> , 2021, 115, 105166.	0.8	13
68	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.	2.0	12
69	Entinostat is a novel therapeutic agent to treat oral squamous cell carcinoma. <i>Journal of Oral Pathology and Medicine</i> , 2020, 49, 771-779.	1.4	12
70	Pharmacological PTEN inhibition: potential clinical applications and effects in tissue regeneration. <i>Regenerative Medicine</i> , 2020, 15, 1329-1344.	0.8	11
71	Cephaeline is an inductor of histone H3 acetylation and inhibitor of mucoepidermoid carcinoma cancer stem cells. <i>Journal of Oral Pathology and Medicine</i> , 2022, 51, 553-562.	1.4	11
72	Blood and Salivary Inflammatory Biomarkers Profile in Patients with Chronic Kidney Disease and Periodontal Disease: A Systematic Review. <i>Diseases (Basel, Switzerland)</i> , 2022, 10, 12.	1.0	11

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73	Photobiomodulation therapy drives massive epigenetic histone modifications, stem cells mobilization and accelerated epithelial healing. <i>Journal of Biophotonics</i> , 2021, 14, e202000274.	1.1	10
74	p53 and Cell Fate: Sensitizing Head and Neck Cancer Stem Cells to Chemotherapy. <i>Critical Reviews in Oncogenesis</i> , 2018, 23, 173-187.	0.2	10
75	Comparative analysis between extra-short implants (6mm) and 6mm-longer implants: a meta-analysis of randomized controlled trial. <i>Australian Dental Journal</i> , 2022, 67, 194-211.	0.8	10
76	Clinical Performance Comparing Titanium and Titanium-Zirconium or Zirconia Dental Implants: A Systematic Review of Randomized Controlled Trials. <i>Dentistry Journal</i> , 2022, 10, 83.	0.9	10
77	Tensile Strength Essay Comparing Three Different Platelet-Rich Fibrin Membranes (L-PRF, A-PRF, and Tj ETQq1 1 0.784314 rgBT /Over	2.0	9
78	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.	2.6	8
79	Histones Acetylation and Cancer Stem Cells (CSCs). <i>Methods in Molecular Biology</i> , 2018, 1692, 179-193.	0.4	8
80	Interfering with bromodomain epigenome readers as therapeutic option in mucoepidermoid carcinoma. <i>Cellular Oncology (Dordrecht)</i> , 2019, 42, 143-155.	2.1	8
81	SCF/C-Kit Signaling Induces Self-Renewal of Dental Pulp Stem Cells. <i>Journal of Endodontics</i> , 2020, 46, S56-S62.	1.4	8
82	Periodontal disease affects oral cancer progression in a surrogate animal model for tobacco exposure. <i>International Journal of Oncology</i> , 2022, 60, .	1.4	7
83	Cyclin D-induced proliferation is independent of beta-catenin in head and neck cancer. <i>Oral Diseases</i> , 2014, 20, e42-8.	1.5	6
84	Keratoacanthoma of the Lip. <i>Medicine (United States)</i> , 2015, 94, e1552.	0.4	6
85	Head and neck cancer patient-derived xenograft models – A systematic review. <i>Critical Reviews in Oncology/Hematology</i> , 2020, 155, 103087.	2.0	6
86	Understanding the role of endotoxin tolerance in chronic inflammatory conditions and periodontal disease. <i>Journal of Clinical Periodontology</i> , 2021, , .	2.3	6
87	miR-22 and miR-205 Drive Tumor Aggressiveness of Mucoepidermoid Carcinomas of Salivary Glands. <i>Frontiers in Oncology</i> , 2021, 11, 786150.	1.3	6
88	Sinus Lift Associated with Leucocyte-Platelet-Rich Fibrin (Second Generation) for Bone Gain: A Systematic Review. <i>Journal of Clinical Medicine</i> , 2022, 11, 1888.	1.0	6
89	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.	1.7	5
90	Asparaginase induces selective dose- and time-dependent cytotoxicity, apoptosis, and reduction of NF- κ B expression in oral cancer cells. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2020, 47, 857-866.	0.9	5

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91	Epigenetic modulation of the tumor microenvironment in head and neck cancer: Challenges and opportunities. <i>Critical Reviews in Oncology/Hematology</i> , 2021, 164, 103397.	2.0	5
92	Topical delivery of mTOR inhibitor halts scarring. <i>Journal of Dermatological Science</i> , 2019, 95, 76-79.	1.0	4
93	DNA methyltransferase expression is associated with cell proliferation in salivary mucoepidermoid carcinoma. <i>Journal of Oral Pathology and Medicine</i> , 2020, 49, 1053-1060.	1.4	4
94	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.	1.8	4
95	Immunoprofile of c-MET/PI3K signaling in human salivary gland tumors. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2015, 120, 238-247.	0.2	3
96	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.	0.8	3
97	Histone Modification on Parathyroid Tumors: A Review of Epigenetics. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5378.	1.8	3
98	Expression Profile of the PI3K-AKT-mTOR Pathway in Head and Neck Squamous Cell Carcinoma: Data from Brazilian Population. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2021, .	0.2	2
99	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.	0.6	2
100	Loss of PTEN sensitizes head and neck squamous cell carcinoma to 5-AZA-2â€™-deoxycytidine. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2020, 130, 181-190.	0.2	1
101	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.	1.3	1
102	The Wnt/ β -catenin Signaling Circuitry in Head and Neck Cancer. , 2014, , 199-214.		1
103	MutS \pm 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.	0.7	0
104	Spotlight on rare cancers. <i>Oral Diseases</i> , 0, , .	1.5	0