

Craig Murdoch

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.

108
papers

7,988
citations

40
h-index

89
g-index

113
ext. papers

8,878
ext. citations

5.1
avg, IF

6.04
L-index

#	Paper	IF	Citations
108	The role of myeloid cells in the promotion of tumour angiogenesis. <i>Nature Reviews Cancer</i> , 2008 , 8, 618-31	31.3	1224
107	Mechanisms regulating the recruitment of macrophages into hypoxic areas of tumors and other ischemic tissues. <i>Blood</i> , 2004 , 104, 2224-34	2.2	675
106	Chemokine receptors and their role in inflammation and infectious diseases. <i>Blood</i> , 2000 , 95, 3032-3043	2.2	609
105	Hypoxia regulates macrophage functions in inflammation. <i>Journal of Immunology</i> , 2005 , 175, 6257-63	5.3	350
104	Macrophage responses to hypoxia: implications for tumor progression and anti-cancer therapies. <i>American Journal of Pathology</i> , 2005 , 167, 627-35	5.8	327
103	Expression of Tie-2 by human monocytes and their responses to angiopoietin-2. <i>Journal of Immunology</i> , 2007 , 178, 7405-11	5.3	246
102	Cxc chemokine receptor expression on human endothelial cells. <i>Cytokine</i> , 1999 , 11, 704-12	4	241
101	Angiopoietin-2 regulates gene expression in TIE2-expressing monocytes and augments their inherent proangiogenic functions. <i>Cancer Research</i> , 2010 , 70, 5270-80	10.1	238
100	CXCR4: chemokine receptor extraordinaire. <i>Immunological Reviews</i> , 2000 , 177, 175-84	11.3	237
99	Tie2-expressing monocytes: regulation of tumor angiogenesis and therapeutic implications. <i>Trends in Immunology</i> , 2007 , 28, 519-24	14.4	229
98	Hypoxia-inducible factors 1 and 2 are important transcriptional effectors in primary macrophages experiencing hypoxia. <i>Blood</i> , 2009 , 114, 844-59	2.2	226
97	Chemokine receptors and their role in inflammation and infectious diseases. <i>Blood</i> , 2000 , 95, 3032-43	2.2	226
96	Neutrophils: key mediators of tumour angiogenesis. <i>International Journal of Experimental Pathology</i> , 2009 , 90, 222-31	2.8	212
95	Plasticity in tumor-promoting inflammation: impairment of macrophage recruitment evokes a compensatory neutrophil response. <i>Neoplasia</i> , 2008 , 10, 329-40	6.4	163
94	Macrophage migration and gene expression in response to tumor hypoxia. <i>International Journal of Cancer</i> , 2005 , 117, 701-8	7.5	153
93	Angiopoietin 2 stimulates TIE2-expressing monocytes to suppress T cell activation and to promote regulatory T cell expansion. <i>Journal of Immunology</i> , 2011 , 186, 4183-90	5.3	150
92	Polymersome-mediated delivery of combination anticancer therapy to head and neck cancer cells: 2D and 3D in vitro evaluation. <i>Molecular Pharmaceutics</i> , 2014 , 11, 1176-88	5.6	105

91	Directing cell therapy to anatomic target sites in vivo with magnetic resonance targeting. <i>Nature Communications</i> , 2015 , 6, 8009	17.4	103
90	Neutrophil-mediated tumour angiogenesis: subversion of immune responses to promote tumour growth. <i>Seminars in Cancer Biology</i> , 2013 , 23, 149-58	12.7	95
89	Use of macrophages to target therapeutic adenovirus to human prostate tumors. <i>Cancer Research</i> , 2011 , 71, 1805-15	10.1	90
88	A novel magnetic approach to enhance the efficacy of cell-based gene therapies. <i>Gene Therapy</i> , 2008 , 15, 902-10	4	87
87	Tissue-engineered oral mucosa. <i>Journal of Dental Research</i> , 2012 , 91, 642-50	8.1	77
86	Human toll-like receptor 4 mutations are associated with susceptibility to invasive meningococcal disease in infancy. <i>Pediatric Infectious Disease Journal</i> , 2006 , 25, 80-1	3.4	71
85	Characterization of a functional C3A liver spheroid model. <i>Toxicology Research</i> , 2016 , 5, 1053-1065	2.6	70
84	Development of tissue-engineered models of oral dysplasia and early invasive oral squamous cell carcinoma. <i>British Journal of Cancer</i> , 2011 , 105, 1582-92	8.7	69
83	Inhibition of neutrophil infiltration into A549 lung tumors in vitro and in vivo using a CXCR2-specific antagonist is associated with reduced tumor growth. <i>International Journal of Cancer</i> , 2011 , 129, 847-58	7.5	68
82	<i>Candida albicans</i> -endothelial cell interactions: a key step in the pathogenesis of systemic candidiasis. <i>Infection and Immunity</i> , 2008 , 76, 4370-7	3.7	63
81	Diffusion studies of nanometer polymersomes across tissue engineered human oral mucosa. <i>Pharmaceutical Research</i> , 2009 , 26, 1718-28	4.5	60
80	Functional expression of chemokine receptor CXCR4 on human epithelial cells. <i>Immunology</i> , 1999 , 98, 36-41	7.8	58
79	Interobserver agreement in dysplasia grading: toward an enhanced gold standard for clinical pathology trials. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2015 , 120, 474-82.e2	2	54
78	Pneumococcal nasopharyngeal carriage in children following heptavalent pneumococcal conjugate vaccination in infancy. <i>Archives of Disease in Childhood</i> , 2003 , 88, 211-4	2.2	52
77	Effects of hypoxia on transcription factor expression in human monocytes and macrophages. <i>Immunobiology</i> , 2008 , 213, 899-908	3.4	51
76	Polymersome-mediated intracellular delivery of antibiotics to treat <i>Porphyromonas gingivalis</i> -infected oral epithelial cells. <i>FASEB Journal</i> , 2013 , 27, 4455-65	0.9	50
75	Differential virulence of <i>Candida glabrata</i> glycosylation mutants. <i>Journal of Biological Chemistry</i> , 2013 , 288, 22006-18	5.4	47
74	Internalization and biodistribution of polymersomes into oral squamous cell carcinoma cells in vitro and in vivo. <i>Nanomedicine</i> , 2010 , 5, 1025-36	5.6	46

73	Adhesion of <i>Candida albicans</i> to endothelial cells under physiological conditions of flow. <i>Infection and Immunity</i> , 2009 , 77, 3872-8	3.7	46
72	Age-dependent association of human mannose-binding lectin mutations with susceptibility to invasive meningococcal disease in childhood. <i>Pediatric Infectious Disease Journal</i> , 2007 , 26, 243-6	3.4	45
71	Pre-clinical evaluation of novel mucoadhesive bilayer patches for local delivery of clobetasol-17-propionate to the oral mucosa. <i>Biomaterials</i> , 2018 , 178, 134-146	15.6	44
70	Chemokine receptors and their role in inflammation and infectious diseases. <i>Blood</i> , 2000 , 95, 3032-3043	2.2	42
69	The role of HOXB9 and miR-196a in head and neck squamous cell carcinoma. <i>PLoS ONE</i> , 2015 , 10, e0122285	3.7	41
68	Evaluation of tissue engineered models of the oral mucosa to investigate oral candidiasis. <i>Microbial Pathogenesis</i> , 2011 , 50, 278-85	3.8	40
67	Candidalysin Is Required for Neutrophil Recruitment and Virulence During Systemic <i>Candida albicans</i> Infection. <i>Journal of Infectious Diseases</i> , 2019 , 220, 1477-1488	7	39
66	<i>Candida albicans</i> adhesin Als3p is dispensable for virulence in the mouse model of disseminated candidiasis. <i>Microbiology (United Kingdom)</i> , 2011 , 157, 1806-1815	2.9	34
65	Choline-binding protein A of <i>Streptococcus pneumoniae</i> elicits chemokine production and expression of intercellular adhesion molecule 1 (CD54) by human alveolar epithelial cells. <i>Journal of Infectious Diseases</i> , 2002 , 186, 1253-60	7	34
64	Identification of Novel Bacteriophages with Therapeutic Potential That Target. <i>Infection and Immunity</i> , 2019 , 87,	3.7	33
63	Chemokines induce the cellular migration of MCF-7 human breast carcinoma cells: subpopulations of tumour cells display positive and negative chemotaxis and differential in vivo growth potentials. <i>Clinical and Experimental Metastasis</i> , 1999 , 17, 389-96	4.7	33
62	Impact of cell types and culture methods on the functionality of in vitro liver systems - A review of cell systems for hepatotoxicity assessment. <i>Toxicology in Vitro</i> , 2018 , 48, 262-275	3.6	32
61	Hypoxia-induced secretion of macrophage migration-inhibitory factor from MCF-7 breast cancer cells is regulated in a hypoxia-inducible factor-independent manner. <i>Cancer Letters</i> , 2008 , 265, 239-49	9.9	32
60	Chemokine receptors and their role in vascular biology. <i>Journal of Vascular Research</i> , 2000 , 37, 1-7	1.9	31
59	Mucosal immune responses to capsular pneumococcal polysaccharides in immunized preschool children and controls with similar nasal pneumococcal colonization rates. <i>Pediatric Infectious Disease Journal</i> , 2004 , 23, 307-13	3.4	29
58	Characterisation and optimisation of organotypic oral mucosal models to study <i>Porphyromonas gingivalis</i> invasion. <i>Microbes and Infection</i> , 2014 , 16, 310-9	9.3	26
57	Macrophage-based anti-cancer therapy: modelling different modes of tumour targeting. <i>Bulletin of Mathematical Biology</i> , 2007 , 69, 1747-76	2.1	26
56	Gingipain-dependent degradation of mammalian target of rapamycin pathway proteins by the periodontal pathogen <i>Porphyromonas gingivalis</i> during invasion. <i>Molecular Oral Microbiology</i> , 2013 , 28, 366-78	4.6	25

55	Functional expression of the chemokine receptor XCR1 on oral epithelial cells. <i>Journal of Pathology</i> , 2010 , 221, 153-63	9.4	25
54	Cytology-on-a-chip based sensors for monitoring of potentially malignant oral lesions. <i>Oral Oncology</i> , 2016 , 60, 103-11	4.4	25
53	Pseudohyphal regulation by the transcription factor Rfg1p in <i>Candida albicans</i> . <i>Eukaryotic Cell</i> , 2010 , 9, 1363-73		22
52	Use of electrical impedance spectroscopy to detect malignant and potentially malignant oral lesions. <i>International Journal of Nanomedicine</i> , 2014 , 9, 4521-32	7.3	21
51	Denture-associated biofilm infection in three-dimensional oral mucosal tissue models. <i>Journal of Medical Microbiology</i> , 2018 , 67, 364-375	3.2	21
50	Fabrication of Electrospun Mucoadhesive Membranes for Therapeutic Applications in Oral Medicine. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 11557-11567	9.5	20
49	Cigarette smoke condensate promotes pro-tumourigenic stromal-epithelial interactions by suppressing miR-145. <i>Journal of Oral Pathology and Medicine</i> , 2013 , 42, 309-14	3.3	20
48	Characterisation of a functional rat hepatocyte spheroid model. <i>Toxicology in Vitro</i> , 2019 , 55, 160-172	3.6	19
47	Incorporation of lysozyme into a mucoadhesive electrospun patch for rapid protein delivery to the oral mucosa. <i>Materials Science and Engineering C</i> , 2020 , 112, 110917	8.3	19
46	Development and Characterization of In Vitro Human Oral Mucosal Equivalents Derived from Immortalized Oral Keratinocytes. <i>Tissue Engineering - Part C: Methods</i> , 2016 , 22, 1108-1117	2.9	17
45	Combined mathematical modelling and experimentation to predict polymersome uptake by oral cancer cells. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014 , 10, 339-48	6	17
44	Pneumolysin-induced CXCL8 production by nasopharyngeal epithelial cells is dependent on calcium flux and MAPK activation via Toll-like receptor 4. <i>Microbes and Infection</i> , 2011 , 13, 65-75	9.3	17
43	Mucoadhesive Electrospun Patch Delivery of Lidocaine to the Oral Mucosa and Investigation of Spatial Distribution in a Tissue Using MALDI-Mass Spectrometry Imaging. <i>Molecular Pharmaceutics</i> , 2019 , 16, 3948-3956	5.6	15
42	Point-of-care oral cytology tool for the screening and assessment of potentially malignant oral lesions. <i>Cancer Cytopathology</i> , 2020 , 128, 207-220	3.9	14
41	Tissue-engineered oral mucosa to study radiotherapy-induced oral mucositis. <i>International Journal of Radiation Biology</i> , 2013 , 89, 907-14	2.9	14
40	Outer Membrane Vesicles Increase Vascular Permeability. <i>Journal of Dental Research</i> , 2020 , 99, 1494-1501	8.1	14
39	Multiscale modelling of drug transport and metabolism in liver spheroids. <i>Interface Focus</i> , 2020 , 10, 20190041	3.9	13
38	Khat (<i>Catha edulis</i>) alters the phenotype and anti-microbial activity of peripheral blood mononuclear cells. <i>Journal of Ethnopharmacology</i> , 2011 , 138, 780-7	5	13

37	Zebrafish as a new model to study effects of periodontal pathogens on cardiovascular diseases. <i>Scientific Reports</i> , 2016 , 6, 36023	4.9	11
36	In silico prediction of skin metabolism and its implication in toxicity assessment. <i>Computational Toxicology</i> , 2017 , 3, 44-57	3.1	11
35	Evaluating the use of optical coherence tomography for the detection of epithelial cancers in vitro. <i>Journal of Biomedical Optics</i> , 2011 , 16, 116015	3.5	11
34	Attenuation of doxorubicin-induced cardiotoxicity in a human in vitro cardiac model by the induction of the NRF-2 pathway. <i>Biomedicine and Pharmacotherapy</i> , 2019 , 112, 108637	7.5	10
33	Cooling of the oral mucosa to prevent adverse effects of chemotherapeutic agents: An in vitro study. <i>Journal of Oral Pathology and Medicine</i> , 2018 , 47, 477-483	3.3	10
32	A cellular automaton model examining the effects of oxygen, hydrogen ions and lactate on early tumour growth. <i>Journal of Mathematical Biology</i> , 2014 , 69, 839-73	2	10
31	Role of OmpA2 surface regions of Porphyromonas gingivalis in host-pathogen interactions with oral epithelial cells. <i>MicrobiologyOpen</i> , 2017 , 6, e00401	3.4	10
30	Macrophage-mediated response to hypoxia in disease. <i>Hypoxia (Auckland, N Z)</i> , 2014 , 2, 185-196	2.1	10
29	Design of a nanostructured mucoadhesive system containing curcumin for buccal application: from physicochemical to biological aspects. <i>Beilstein Journal of Nanotechnology</i> , 2019 , 10, 2304-2328	3	10
28	The IL-1/IL-1R axis induces greater fibroblast-derived chemokine release in human papillomavirus-negative compared to positive oropharyngeal cancer. <i>International Journal of Cancer</i> , 2019 , 144, 334-344	7.5	10
27	Mechanisms of vascular damage by systemic dissemination of the oral pathogen Porphyromonas gingivalis. <i>FEBS Journal</i> , 2021 , 288, 1479-1495	5.7	10
26	HPV-negative, but not HPV-positive, oropharyngeal carcinomas induce fibroblasts to support tumour invasion through micro-environmental release of HGF and IL-6. <i>Carcinogenesis</i> , 2018 , 39, 170-179	4.6	9
25	Medium-Chain Fatty Acids Released from Polymeric Electrospun Patches Inhibit Growth and Reduce the Biofilm Viability. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 4087-4095	5.5	8
24	Mucoadhesive Electrospun Fibre-Based Technologies for Oral Medicine. <i>Pharmaceutics</i> , 2020 , 12,	6.4	8
23	Mucoadhesive emulgel systems containing curcumin for oral squamous cell carcinoma treatment: From pre-formulation to cytotoxicity in tissue-engineering oral mucosa. <i>European Journal of Pharmaceutical Sciences</i> , 2020 , 151, 105372	5.1	6
22	Oral human papillomavirus infection in England and associated risk factors: a case-control study. <i>BMJ Open</i> , 2018 , 8, e022497	3	6
21	The role of chemokines in sepsis and septic shock. <i>Contributions To Microbiology</i> , 2003 , 10, 38-57		6
20	Methyl-donor depletion of head and neck cancer cells in vitro establishes a less aggressive tumour cell phenotype. <i>European Journal of Nutrition</i> , 2018 , 57, 1321-1332	5.2	5

19	In silico-guided optimisation of oxygen gradients in hepatic spheroids. <i>Computational Toxicology</i> , 2019 , 12, 100093	3.1	4
18	Use of a Rho kinase inhibitor to increase human tonsil keratinocyte longevity for three-dimensional, tissue engineered tonsil epithelium equivalents. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018 , 12, e1636-e1646	4.4	4
17	Preparation of Primary Rat Hepatocyte Spheroids Utilizing the Liquid-Overlay Technique. <i>Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al]</i> , 2019 , 81, e87	1	4
16	Haptoglobin expression in human colorectal cancer. <i>Histology and Histopathology</i> , 2019 , 34, 953-963	1.4	4
15	Imaging of 3D Tissue-Engineered Models of Oral Cancer Using 890 and 1300 nm Optical Coherence Tomography. <i>Sovremennyye Tehnologii V Medicine</i> , 2015 , 7, 60-68	1.2	4
14	Expression and enzyme activity of cytochrome P450 enzymes CYP3A4 and CYP3A5 in human skin and tissue-engineered skin equivalents. <i>Experimental Dermatology</i> , 2018 , 27, 473-475	4	4
13	Oral candidal carriage correlates with CD4 cell count but not with HIV and highly active antiretroviral therapy status. <i>Journal of Investigative and Clinical Dentistry</i> , 2019 , 10, e12438	2.3	3
12	Uropathogenic Escherichia coli-induced neutrophil adhesion to urinary epithelium is strain-specific and mediated by CD11b/CD18. <i>Urological Research</i> , 2001 , 29, 102-7		3
11	Corticosteroid delivery using oral mucosa equivalents for the treatment of inflammatory mucosal diseases. <i>European Journal of Oral Sciences</i> , 2021 , 129, e12761	2.3	2
10	Increased Abundance of Tumour-Associated Neutrophils in HPV-Negative Compared to HPV-Positive Oropharyngeal Squamous Cell Carcinoma Is Mediated by IL-1R Signalling.. <i>Frontiers in Oral Health</i> , 2021 , 2, 604565	0.8	2
9	A Combined In Vitro/In Silico Approach to Identifying Off-Target Receptor Toxicity. <i>IScience</i> , 2018 , 4, 84-96	6.1	2
8	IL-1/IL-1R Signaling in Head and Neck Cancer.. <i>Frontiers in Oral Health</i> , 2021 , 2, 722676	0.8	2
7	Tissue-engineered models of oral soft tissue diseases 2017 , 245-255		1
6	biofilm formation on different titanium surface topographies. <i>Biomaterial Investigations in Dentistry</i> , 2020 , 7, 146-157	2	1
5	Determination of Chemical Irritation Potential Using a Defined Gene Signature Set on Tissue-Engineered Human Skin Equivalents.. <i>JID Innovations</i> , 2021 , 1, 100011		1
4	Nuclear F-actin Cytology in Oral Epithelial Dysplasia and Oral Squamous Cell Carcinoma. <i>Journal of Dental Research</i> , 2021 , 100, 479-486	8.1	1
3	Immunoresponsive Tissue-Engineered Oral Mucosal Equivalents Containing Macrophages. <i>Tissue Engineering - Part C: Methods</i> , 2021 , 27, 462-471	2.9	1
2	A mathematical investigation into the uptake kinetics of nanoparticles in vitro. <i>PLoS ONE</i> , 2021 , 16, e0254708	3.7	0

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2012, 32, 217-226

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