

# Helen E Colley

## List of Publications by Year in descending order

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35  
papers

1,246  
citations

361045

20  
h-index

360668

35  
g-index

35  
all docs

35  
docs citations

35  
times ranked

2239  
citing authors

#	ARTICLE	IF	CITATIONS
1	Expression of Tie-2 by Human Monocytes and Their Responses to Angiopoietin-2. <i>Journal of Immunology</i> , 2007, 178, 7405-7411.	0.4	283
2	Polysome-Mediated Delivery of Combination Anticancer Therapy to Head and Neck Cancer Cells: 2D and 3D <i>in Vitro</i> Evaluation. <i>Molecular Pharmaceutics</i> , 2014, 11, 1176-1188.	2.3	122
3	Characterization of a functional C3A liver spheroid model. <i>Toxicology Research</i> , 2016, 5, 1053-1065.	0.9	96
4	Targeted magnetic nanoparticle hyperthermia for the treatment of oral cancer. <i>Journal of Oral Pathology and Medicine</i> , 2019, 48, 803-809.	1.4	57
5	Evaluation of tissue engineered models of the oral mucosa to investigate oral candidiasis. <i>Microbial Pathogenesis</i> , 2011, 50, 278-285.	1.3	51
6	An Orally Bioavailable, Indole-3-glyoxylamide Based Series of Tubulin Polymerization Inhibitors Showing Tumor Growth Inhibition in a Mouse Xenograft Model of Head and Neck Cancer. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 9309-9333.	2.9	47
7	Impact of cell types and culture methods on the functionality of <i>in vitro</i> liver systems – A review of cell systems for hepatotoxicity assessment. <i>Toxicology in Vitro</i> , 2018, 48, 262-275.	1.1	45
8	Immune mechanisms in oral lichen planus. <i>Oral Diseases</i> , 2023, 29, 1400-1415.	1.5	38
9	Fabrication of Electrospun Mucoadhesive Membranes for Therapeutic Applications in Oral Medicine. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 11557-11567.	4.0	35
10	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.	3.8	35
11	Oxygen Mapping of Melanoma Spheroids using Small Molecule Platinum Probe and Phosphorescence Lifetime Imaging Microscopy. <i>Scientific Reports</i> , 2017, 7, 10743.	1.6	34
12	Mucoadhesive Electrospun Fibre-Based Technologies for Oral Medicine. <i>Pharmaceutics</i> , 2020, 12, 504.	2.0	33
13	Characterisation of a functional rat hepatocyte spheroid model. <i>Toxicology in Vitro</i> , 2019, 55, 160-172.	1.1	32
14	Multiscale modelling of drug transport and metabolism in liver spheroids. <i>Interface Focus</i> , 2020, 10, 20190041.	1.5	29
15	Development and Characterization of <i>In Vitro</i> Human Oral Mucosal Equivalents Derived from Immortalized Oral Keratinocytes. <i>Tissue Engineering - Part C: Methods</i> , 2016, 22, 1108-1117.	1.1	28
16	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.	2.3	26
17	Development of a Dewaxing Protocol for Tissue-Engineered Models of the Oral Mucosa Used for Raman Spectroscopic Analysis. <i>Applied Spectroscopy Reviews</i> , 2014, 49, 614-617.	3.4	24
18	The SUMO protease SENP3 regulates mitochondrial autophagy mediated by Fis1. <i>EMBO Reports</i> , 2022, 23, e48754.	2.0	24

#	ARTICLE	IF	CITATIONS
19	Raman spectroscopy can discriminate between normal, dysplastic and cancerous oral mucosa: a tissue-engineering approach. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017, 11, 3253-3262.	1.3	22
20	A simple rocker-induced mechanical stimulus upregulates mineralization by human osteoprogenitor cells in fibrous scaffolds. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, 370-381.	1.3	21
21	Combined mathematical modelling and experimentation to predict polymersome uptake by oral cancer cells. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014, 10, 339-348.	1.7	20
22	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.	1.4	20
23	Culture on fibrin matrices maintains the colony-forming capacity and osteoblastic differentiation of mesenchymal stem cells. <i>Biomedical Materials (Bristol)</i> , 2012, 7, 045015.	1.7	18
24	Tissue-engineered oral mucosa to study radiotherapy-induced oral mucositis. <i>International Journal of Radiation Biology</i> , 2013, 89, 907-914.	1.0	18
25	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.	1.5	17
26	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.	2.5	16
27	Expression and enzyme activity of cytochrome P450 enzymes <sc>CYP</sc>3A4 and <sc>CYP</sc>3A5 in human skin and tissue-engineered skin equivalents. <i>Experimental Dermatology</i> , 2018, 27, 473-475.	1.4	9
28	Corticosteroid delivery using oral mucosa equivalents for the treatment of inflammatory mucosal diseases. <i>European Journal of Oral Sciences</i> , 2021, 129, e12761.	0.7	8
29	Immunoresponsive Tissue-Engineered Oral Mucosal Equivalents Containing Macrophages. <i>Tissue Engineering - Part C: Methods</i> , 2021, 27, 462-471.	1.1	8
30	Preparation of Primary Rat Hepatocyte Spheroids Utilizing the Liquid Overlay Technique. <i>Current Protocols in Toxicology</i> / Editorial Board, Mahin D Maines (editor-in-chief) [et Al ], 2019, 81, e87.	1.1	7
31	In silico-guided optimisation of oxygen gradients in hepatic spheroids. <i>Computational Toxicology</i> , 2019, 12, 100093.	1.8	7
32	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.	1.3	6
33	A Combined In Vitro/In Silico Approach to Identifying Off-Target Receptor Toxicity. <i>IScience</i> , 2018, 4, 84-96.	1.9	5
34	Determination of Chemical Irritation Potential Using a Defined Gene Signature Set on Tissue-Engineered Human Skin Equivalents. <i>JID Innovations</i> , 2021, 1, 100011.	1.2	3
35	A mathematical investigation into the uptake kinetics of nanoparticles in vitro. <i>PLoS ONE</i> , 2021, 16, e0254208.	1.1	2