Jonathan B Coulter

List of Publications by Year
in descending order

32 papers	1,812 citations	430442 18 h-index	414034 32 g-index
33 all docs	33 docs citations	33 times ranked	2470 citing authors

#	Article	IF	Citations
1	Radiation Response in the Tumour Microenvironment: Predictive Biomarkers and Future Perspectives. Journal of Personalized Medicine, 2021, 11, 53.	1.1	17
2	Exploiting the anticancer effects of a nitrogen bisphosphonate nanomedicine for glioblastoma multiforme. Journal of Nanobiotechnology, 2021, 19, 127.	4.2	5
3	Novel tip-loaded dissolving and implantable microneedle array patches for sustained release of finasteride. International Journal of Pharmaceutics, 2021, 606, 120885.	2.6	39
4	Formulating RALA/Au nanocomplexes to enhance nanoparticle internalisation efficiency, sensitising prostate tumour models to radiation treatment. Journal of Nanobiotechnology, 2021, 19, 279.	4.2	6
5	Clinical and functional characterization of CXCR1/CXCR2 biology in the relapse and radiotherapy resistance of primary PTEN-deficient prostate carcinoma. NAR Cancer, 2020, 2, zcaa012.	1.6	8
6	Polymer-Supported Gold Nanoparticle Radiosensitizers with Enhanced Cellular Uptake Efficiency and Increased Cell Death in Human Prostate Cancer Cells. ACS Applied Nano Materials, 2020, 3, 3157-3162.	2.4	9
7	DNA vaccination via RALA nanoparticles in a microneedle delivery system induces a potent immune response against the endogenous prostate cancer stem cell antigen. Acta Biomaterialia, 2019, 96, 480-490.	4.1	64
8	Nuclear Uptake of Gold Nanoparticles Deduced Using Dualâ€Angle Xâ€Ray Fluorescence Mapping. Particle and Particle Systems Characterization, 2019, 36, 1900140.	1.2	7
9	Cell-Penetrating Peptides as a Tool for the Cellular Uptake of a Genetically Modified Nitroreductase for use in Directed Enzyme Prodrug Therapy. Journal of Functional Biomaterials, 2019, 10, 45.	1.8	6
10	Exploiting Current Understanding of Hypoxia Mediated Tumour Progression for Nanotherapeutic Development. Cancers, 2019, 11, 1989.	1.7	18
11	Unraveling the cell-type dependent radiosensitizing effects of gold through the development of a multifunctional gold nanoparticle. Nanomedicine: Nanotechnology, Biology, and Medicine, 2018, 14, 439-449.	1.7	13
12	Towards photon radiotherapy treatment planning with high Z nanoparticle radiosensitisation agents: the Relative Biological Effective Dose (RBED) framework. Cancer Nanotechnology, 2018, 9, 9.	1.9	3
13	Enhanced nanoparticle delivery exploiting tumour-responsive formulations. Cancer Nanotechnology, 2018, 9, 10.	1.9	30
14	Gene therapy with RALA/iNOS composite nanoparticles significantly enhances survival in a model of metastatic prostate cancer. Cancer Nanotechnology, 2018, 9, 5.	1.9	25
15	Systemic RALA/iNOS Nanoparticles: A Potent Gene Therapy for Metastatic Breast Cancer Coupled as a Biomarker of Treatment. Molecular Therapy - Nucleic Acids, 2017, 6, 249-258.	2.3	20
16	A hierarchical Bayesian approach to calibrating the linear-quadratic model from clonogenic survival assay data. Radiotherapy and Oncology, 2017, 124, 541-546.	0.3	2
17	Process Algebra with Layers: Multi-scale Integration Modelling Applied to Cancer Therapy. Lecture Notes in Computer Science, 2017, , 118-133.	1.0	1
18	Erythropoietin drives breast cancer progression by activation of its receptor EPOR. Oncotarget, 2017, 8, 38251-38263.	0.8	24

#	Article	IF	Citations
19	Transcending epithelial and intracellular biological barriers; a prototype DNA delivery device. Journal of Controlled Release, 2016, 226, 238-247.	4.8	51
20	Preclinical evaluation of gold-DTDTPA nanoparticles as theranostic agents in prostate cancer radiotherapy. Nanomedicine, 2016, 11, 2035-2047.	1.7	40
21	Multifunctional and robust composite materials comprising gold nanoparticles at a spherical polystyrene particle surface. Chemical Communications, 2016, 52, 14388-14391.	2.2	9
22	Imaging and radiation effects of gold nanoparticles in tumour cells. Scientific Reports, 2016, 6, 19442.	1.6	111
23	Development of TMTP-1 targeted designer biopolymers for gene delivery to prostate cancer. International Journal of Pharmaceutics, 2016, 500, 144-153.	2.6	10
24	A comparison of gold nanoparticle surface co-functionalization approaches using Polyethylene Glycol (PEG) and the effect on stability, non-specific protein adsorption and internalization. Materials Science and Engineering C, 2016, 62, 710-718.	3.8	37
25	Gold nanoparticle surface functionalization: a necessary requirement in the development of novel nanotherapeutics. Nanomedicine, 2015, 10, 1315-1326.	1.7	91
26	Gold nanoparticle cellular uptake, toxicity and radiosensitisation in hypoxic conditions. Radiotherapy and Oncology, 2014, 110, 342-347.	0.3	72
27	The contribution of N2O3 to the cytotoxicity of the nitric oxide donor DETA/NO: an emerging role for S-nitrosylation. Bioscience Reports, 2013, 33, .	1.1	19
28	Cell type-dependent uptake, localization, and cytotoxicity of 1.9 nm gold nanoparticles. International Journal of Nanomedicine, 2012, 7, 2673.	3.3	150
29	Nanodosimetric effects of gold nanoparticles in megavoltage radiation therapy. Radiotherapy and Oncology, 2011, 100, 412-416.	0.3	174
30	Cell-Specific Radiosensitization by Gold Nanoparticles at Megavoltage Radiation Energies. International Journal of Radiation Oncology Biology Physics, 2011, 79, 531-539.	0.4	388
31	Biological consequences of nanoscale energy deposition near irradiated heavy atom nanoparticles. Scientific Reports, 2011, 1, 18.	1.6	335
32	Transcriptional regulation of inducible nitric oxide synthase gene therapy: targeting early stage and advanced prostate cancer. Journal of Gene Medicine, 2010, 12, 755-765.	1.4	28