

Arthur W Taylor

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

1,609
citations

304602

22
h-index

345118

36
g-index

42
all docs

42
docs citations

42
times ranked

3227
citing authors

#	ARTICLE	IF	CITATIONS
1	Firefly luciferase offers superior performance to AkaLuc for tracking the fate of administered cell therapies. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2022, 49, 796-808.	3.3	16
2	Assessing Tumour Haemodynamic Heterogeneity and Response to Choline Kinase Inhibition Using Clustered Dynamic Contrast Enhanced MRI Parameters in Rodent Models of Glioblastoma. <i>Cancers</i> , 2022, 14, 1223.	1.7	3
3	High-frequency electrical properties tomography at 9.4T as a novel contrast mechanism for brain tumors. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 382-392.	1.9	11
4	Mesenchymal stromal cells: what have we learned so far about their therapeutic potential and mechanisms of action?. <i>Emerging Topics in Life Sciences</i> , 2021, 5, 549-562.	1.1	12
5	Multimodal Imaging Techniques Show Differences in Homing Capacity Between Mesenchymal Stromal Cells and Macrophages in Mouse Renal Injury Models. <i>Molecular Imaging and Biology</i> , 2020, 22, 904-913.	1.3	10
6	<i>In vivo</i> fate of free and encapsulated iron oxide nanoparticles after injection of labelled stem cells. <i>Nanoscale Advances</i> , 2019, 1, 367-377.	2.2	16
7	SPIONs for cell labelling and tracking using MRI: magnetite or maghemite?. <i>Biomaterials Science</i> , 2018, 6, 101-106.	2.6	40
8	Magnetic Resonance Imaging for Characterization of a Chick Embryo Model of Cancer Cell Metastases. <i>Molecular Imaging</i> , 2018, 17, 153601211880958.	0.7	19
9	Multicolour <i>In Vivo</i> Bioluminescence Imaging Using a NanoLuc-Based BRET Reporter in Combination with Firefly Luciferase. <i>Contrast Media and Molecular Imaging</i> , 2018, 2018, 1-10.	0.4	26
10	Non-invasive imaging reveals conditions that impact distribution and persistence of cells after <i>in vivo</i> administration. <i>Stem Cell Research and Therapy</i> , 2018, 9, 332.	2.4	66
11	Macrophage-Derived Granulin Drives Resistance to Immune Checkpoint Inhibition in Metastatic Pancreatic Cancer. <i>Cancer Research</i> , 2018, 78, 4253-4269.	0.4	105
12	Noninvasive imaging of nanoparticle-labeled transplant populations within polymer matrices for neural cell therapy. <i>Nanomedicine</i> , 2018, 13, 1333-1348.	1.7	2
13	Nano-structured rhodium doped SrTiO ₃ Visible light activated photocatalyst for water decontamination. <i>Applied Catalysis B: Environmental</i> , 2017, 206, 547-555.	10.8	65
14	Human Kidney-Derived Cells Ameliorate Acute Kidney Injury Without Engrafting into Renal Tissue. <i>Stem Cells Translational Medicine</i> , 2017, 6, 1373-1384.	1.6	32
15	Preclinical imaging methods for assessing the safety and efficacy of regenerative medicine therapies. <i>Npj Regenerative Medicine</i> , 2017, 2, 28.	2.5	47
16	MS-1 <i>magA</i> . <i>Molecular Imaging</i> , 2016, 15, 153601211664153.	0.7	14
17	Imaging technologies for monitoring the safety, efficacy and mechanisms of action of cell-based regenerative medicine therapies in models of kidney disease. <i>European Journal of Pharmacology</i> , 2016, 790, 74-82.	1.7	25
18	Co-precipitation of DEAE-dextran coated SPIONs: how synthesis conditions affect particle properties, stem cell labelling and MR contrast. <i>Contrast Media and Molecular Imaging</i> , 2016, 11, 362-370.	0.4	24

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19	Evaluating the effectiveness of transferrin receptor (TfR1) as a magnetic resonance reporter gene. <i>Contrast Media and Molecular Imaging</i> , 2016, 11, 236-244.	0.4	25
20	Development of Multifunctional Magnetic Nanoparticles for Genetic Engineering and Tracking of Neural Stem Cells. <i>Advanced Healthcare Materials</i> , 2016, 5, 841-849.	3.9	27
21	Preventing Plasmon Coupling between Gold Nanorods Improves the Sensitivity of Photoacoustic Detection of Labeled Stem Cells <i>in Vivo</i> . <i>ACS Nano</i> , 2016, 10, 7106-7116.	7.3	78
22	Overexpression of the MRI Reporter Genes Ferritin and Transferrin Receptor Affect Iron Homeostasis and Produce Limited Contrast in Mesenchymal Stem Cells. <i>International Journal of Molecular Sciences</i> , 2015, 16, 15481-15496.	1.8	46
23	Tailoring the surface charge of dextran-based polymer coated SPIONs for modulated stem cell uptake and MRI contrast. <i>Biomaterials Science</i> , 2015, 3, 608-616.	2.6	44
24	Design considerations for the synthesis of polymer coated iron oxide nanoparticles for stem cell labelling and tracking using MRI. <i>Chemical Society Reviews</i> , 2015, 44, 6733-6748.	18.7	176
25	Assessing the Efficacy of Nano- and Micro-Sized Magnetic Particles as Contrast Agents for MRI Cell Tracking. <i>PLoS ONE</i> , 2014, 9, e100259.	1.1	56
26	Photothermal Microscopy of the Core of Dextran-Coated Iron Oxide Nanoparticles During Cell Uptake. <i>ACS Nano</i> , 2012, 6, 5961-5971.	7.3	53
27	Poly[2-(methacryloyloxy)ethylphosphorylcholine]-coated iron oxide nanoparticles: synthesis, colloidal stability and evaluation for stem cell labelling. <i>Chemical Communications</i> , 2012, 48, 9373.	2.2	18
28	Long-term tracking of cells using inorganic nanoparticles as contrast agents: are we there yet?. <i>Chemical Society Reviews</i> , 2012, 41, 2707.	18.7	157
29	Feasibility of Magnetically Functionalised Carbon Nanotubes for Biological Applications: From Fundamental Properties of Individual Nanomagnets to Nanoscaled Heaters and Temperature Sensors. , 2011, , 97-124.		1
30	Functionalization of carbon encapsulated iron nanoparticles. <i>Journal of Nanoparticle Research</i> , 2010, 12, 513-519.	0.8	29
31	Cisplatin-loaded carbon-encapsulated iron nanoparticles and their in vitro effects in magnetic fluid hyperthermia. <i>Carbon</i> , 2010, 48, 2327-2334.	5.4	39
32	Magnetic study of iron-containing carbon nanotubes: Feasibility for magnetic hyperthermia. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 4067-4071.	1.0	58
33	Single-wall carbon nanotubes based anticancer drug delivery system. <i>Chemical Physics Letters</i> , 2009, 478, 200-205.	1.2	150
34	Biocompatibility of Iron Filled Carbon Nanotubes <i>In Vitro</i> . <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 5709-5716.	0.9	20
35	A carbon-wrapped nanoscaled thermometer for temperature control in biological environments. <i>Nanomedicine</i> , 2008, 3, 321-327.	1.7	47
36	Properties of chemically treated natural amorphous silica fibers as polyurethane reinforcement. <i>Polymer Composites</i> , 2006, 27, 582-590.	2.3	12

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37	Influence of Nd:YAG Laser Irradiation on an Adhesive Restorative Procedure. Operative Dentistry, 2006, 31, 604-609.	0.6	35