

Michael Barrow

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

844
citations

566801

15
h-index

839053

18
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20
all docs

20
docs citations

20
times ranked

1731
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Macroporous metal-organic framework microparticles with improved liquid phase separation. <i>Journal of Materials Chemistry A</i> , 2014, 2, 9085-9090.	5.2	77
3	Frozen polymerization for aligned porous structures with enhanced mechanical stability, conductivity, and as stationary phase for HPLC. <i>Journal of Materials Chemistry</i> , 2012, 22, 11615.	6.7	70
4	Aligned porous stimuli-responsive hydrogels via directional freezing and frozen UV initiated polymerization. <i>Soft Matter</i> , 2013, 9, 2723.	1.2	70
5	Non-invasive imaging reveals conditions that impact distribution and persistence of cells after in vivo administration. <i>Stem Cell Research and Therapy</i> , 2018, 9, 332.	2.4	66
6	Optimising low molecular weight hydrogels for automated 3D printing. <i>Soft Matter</i> , 2017, 13, 8426-8432.	1.2	60
7	Preclinical imaging methods for assessing the safety and efficacy of regenerative medicine therapies. <i>Npj Regenerative Medicine</i> , 2017, 2, 28.	2.5	47
8	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
9	Functionalized superparamagnetic iron oxide nanoparticles provide highly efficient iron-labeling in macrophages for magnetic resonance-based detection in vivo. <i>Cytotherapy</i> , 2017, 19, 555-569.	0.3	44
10	SPIONs for cell labelling and tracking using MRI: magnetite or maghemite?. <i>Biomaterials Science</i> , 2018, 6, 101-106.	2.6	40
11	pH dependent photocatalytic hydrogen evolution by self-assembled perylene bisimides. <i>Journal of Materials Chemistry A</i> , 2017, 5, 7555-7563.	5.2	39
12	The effect of molecular weight on the porosity of hypercrosslinked polystyrene. <i>Polymer Chemistry</i> , 2015, 6, 7280-7285.	1.9	26
13	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
14	Mechanical Characterization of Multilayered Hydrogels: A Rheological Study for 3D-Printed Systems. <i>Biomacromolecules</i> , 2021, 22, 1625-1638.	2.6	20
15	<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
16	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
17	In Vitro Determination of the Immunogenic Impact of Nanomaterials on Primary Peripheral Blood Mononuclear Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5610.	1.8	7
18	Assessment of changes in autophagic vesicles in human immune cell lines exposed to nano particles. <i>Cell and Bioscience</i> , 2021, 11, 133.	2.1	3