Robert James Thomas

List of Publications by Year
in descending order

15 papers	517 citations	1039406 9 h-index	996533 15 g-index
16 all docs	16 docs citations	16 times ranked	889 citing authors

#	Article	IF	Citations
1	Human-Induced Pluripotent Stem Cells Generate Light Responsive Retinal Organoids with Variable and Nutrient-Dependent Efficiency. Stem Cells, 2018, 36, 1535-1551.	1.4	149
2	Current understanding and challenges in bioprocessing of stem cell-based therapies for regenerative medicine. British Medical Bulletin, 2011, 100, 137-155.	2.7	83
3	Application of process quality engineering techniques to improve the understanding of the in vitro processing of stem cells for therapeutic use. Journal of Biotechnology, 2008, 136, 148-155.	1.9	60
4	Manufacture of a human mesenchymal stem cell population using an automated cell culture platform. Cytotechnology, 2007, 55, 31-39.	0.7	55
5	Automated, serum-free production of CTX0E03: a therapeutic clinical grade human neural stem cell line. Biotechnology Letters, 2009, 31, 1167-1172.	1.1	41
6	A novel automated bioreactor for scalable process optimisation of haematopoietic stem cell culture. Journal of Biotechnology, 2012, 161, 387-390.	1.9	32
7	The productivity limit of manufacturing blood cell therapy in scalable stirred bioreactors. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, e368-e378.	1.3	25
8	Translating Cell-Based Regenerative Medicines from Research to Successful Products: Challenges and Solutions. Tissue Engineering - Part B: Reviews, 2014, 20, 246-256.	2.5	11
9	A Monte Carlo framework for managing biological variability in manufacture of autologous cell therapy from mesenchymal stromal cells therapies. Cytotherapy, 2020, 22, 227-238.	0.3	11
10	Automated image analysis with the potential for process quality control applications in stem cell maintenance and differentiation. Biotechnology Progress, 2016, 32, 215-223.	1.3	7
11	Automated Adherent Human Cell Culture (Mesenchymal Stem Cells). Methods in Molecular Biology, 2012, 806, 393-406.	0.4	5
12	Understanding cell culture dynamics: a tool for defining protocol parameters for improved processes and efficient manufacturing using human embryonic stem cells. Bioengineered, 2021, 12, 979-996.	1.4	5
13	Visualizing medium and biodistribution in complex cell culture bioreactors using in vivo imaging. Biotechnology Progress, 2014, 30, 256-260.	1.3	3
14	The importance of cell culture parameter standardization: an assessment of the robustness of the 2102Ep reference cell line. Bioengineered, 2021, 12, 341-357.	1.4	3
15	Remedi: A Research Consortium Applying Engineering Strategies to Establish Regenerative Medicine as a New Industry. IFMBE Proceedings, 2009, , 2209-2212.	0.2	0