

# CITATION REPORT

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Agent-based modeling and biomedical ontologies: a roadmap

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Wiley Interdisciplinary Reviews: Computational  
Statistics, 2011, 3, 343-356.

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#	Paper	IF	Citations
28	Mathematical Biology Education: Modeling Makes Meaning. <i>Mathematical Modelling of Natural Phenomena</i> , <b>2011</b> , 6, 1-21	3	9
27	Permission to enter cell by shape: nanodisk vs nanosphere. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2012</b> , 4, 4099-105	9.5	101
26	Surface modification of magnetic nanoparticles for stem cell labeling. <i>Soft Matter</i> , <b>2012</b> , 8, 2057-2069	3.6	41
25	Agent-based model of fecal microbial transplant effect on bile acid metabolism on suppressing <i>Clostridium difficile</i> infection: an example of agent-based modeling of intestinal bacterial infection. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , <b>2014</b> , 41, 493-507	2.7	7
24	Tailoring the surface charge of dextran-based polymer coated SPIONs for modulated stem cell uptake and MRI contrast. <i>Biomaterials Science</i> , <b>2015</b> , 3, 608-16	7.4	36
23	Agent-Based Modeling and Translational Systems Biology: An Evolution in Parallel. <b>2015</b> , 111-135		1
22	In vivo delivery, pharmacokinetics, biodistribution and toxicity of iron oxide nanoparticles. <i>Chemical Society Reviews</i> , <b>2015</b> , 44, 8576-607	58.5	506
21	Design considerations for the synthesis of polymer coated iron oxide nanoparticles for stem cell labelling and tracking using MRI. <i>Chemical Society Reviews</i> , <b>2015</b> , 44, 6733-48	58.5	141
20	Deploying clinical grade magnetic nanoparticles with magnetic fields to magnetolabel neural stem cells in adherent versus suspension cultures. <i>RSC Advances</i> , <b>2015</b> , 5, 43353-43360	3.7	4
19	Novel bimodal iron oxide particles for efficient tracking of human neural stem cells in vivo. <i>Nanomedicine</i> , <b>2015</b> , 10, 2499-512	5.6	11
18	Biomaterials and therapeutic applications. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2016</b> , 108, 012021	0.4	2
17	In Silico Cell Cycle Predictor for Mammalian Cell Culture Bioreactor Using Agent-Based Modeling Approach. <i>IFAC-PapersOnLine</i> , <b>2016</b> , 49, 200-205	0.7	4
16	Development of a controlled-release drug delivery system by encapsulating oxaliplatin into SPIO/MWNT nanoparticles for effective colon cancer therapy and magnetic resonance imaging. <i>Biomaterials Science</i> , <b>2016</b> , 4, 1742-1753	7.4	20
15	Novel MRI Contrast Agent from Magnetotactic Bacteria Enables In Vivo Tracking of iPSC-derived Cardiomyocytes. <i>Scientific Reports</i> , <b>2016</b> , 6, 26960	4.9	25
14	Tracking and Quantification of Magnetically Labeled Stem Cells using Magnetic Resonance Imaging. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 3899-3915	15.6	30
13	Citrate-capped iron oxide nanoparticles impair the osteogenic differentiation potential of rat mesenchymal stem cells. <i>Journal of Materials Chemistry B</i> , <b>2016</b> , 4, 245-256	7.3	20
12	Polyol synthesis, functionalisation, and biocompatibility studies of superparamagnetic iron oxide nanoparticles as potential MRI contrast agents. <i>Nanoscale</i> , <b>2016</b> , 8, 3278-87	7.7	133

11	Versatile design and synthesis of nano-barcodes. <i>Chemical Society Reviews</i> , <b>2017</b> , 46, 7054-7093	58.5	130
10	In vivo fate of free and encapsulated iron oxide nanoparticles after injection of labelled stem cells. <i>Nanoscale Advances</i> , <b>2019</b> , 1, 367-377	5.1	10
9	Biocompatibility assessment of sub-5 nm silica-coated superparamagnetic iron oxide nanoparticles in human stem cells and in mice for potential application in nanomedicine. <i>Nanoscale</i> , <b>2020</b> , 12, 1759-1778	7.7	12
8	Effects of labeling human mesenchymal stem cells with superparamagnetic zinc-nickel ferrite nanoparticles on cellular characteristics and adipogenesis/osteogenesis differentiation. <i>Biotechnology Letters</i> , <b>2021</b> , 43, 1659-1673	3	1
7	Agent-Based Modeling in Translational Systems Biology. <b>2013</b> , 29-49		5
6	Agent-Based Modeling Approaches to Multi-Scale Systems Biology: An Example Agent-Based Model of Acute Pulmonary Inflammation. <b>2013</b> , 429-461		1
5	In vivo fate of free and encapsulated iron oxide nanoparticles after injection of labelled stem cells.		
4	Nanotechnology-Based Stem Cell Tissue Engineering with a Focus on Regeneration of Cardiovascular Systems. <b>2019</b> , 1-67		0
3	Simulating Re-configurable Multi-Rovers for Planetary Exploration Using Behavior-Based Ontology. <b>2020</b> ,		
2	Engineered Magnetic Nanocomposites to Modulate Cellular Function. <i>Small</i> , <b>2021</b> , e2104079	11	3
1	Agent-Based Modeling in Translational Systems Biology. <b>2021</b> , 31-52		0