Rod H Smallwood

List of Publications by Year
in descending order

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32 papers	1,263 citations	361296 20 h-index	501076 28 g-index
32 all docs	32 docs citations	32 times ranked	1722 citing authors

#	Article	IF	Citations
1	DP ₂ antagonism reduces airway smooth muscle mass in asthma by decreasing eosinophilia and myofibroblast recruitment. Science Translational Medicine, 2019, 11, .	5.8	57
2	Enabling multiscale modeling in systems medicine. Genome Medicine, 2014, 6, 21.	3.6	76
3	Modelling complex biological systems using an agent-based approach. Integrative Biology (United) Tj ETQq1 1 0.784314 rgBT /Overlo	0.6	66
4	Common path Michelson interferometer based on multiple reflections within the sample arm: sensor applications and imaging artefacts. Measurement Science and Technology, 2011, 22, 027002.	1.4	8
5	Evaluating the use of optical coherence tomography for the detection of epithelial cancers in vitro. Journal of Biomedical Optics, 2011, 16, 116015.	1.4	12
6	A Complex Automata approach for in-stent restenosis: Two-dimensional multiscale modelling and simulations. Journal of Computational Science, 2011, 2, 9-17.	1.5	70
7	Cell-Centred Modeling of Tissue Behaviour. , 2011, , 175-194.		2
8	Quantum Dot Superluminescent Diodes for Optical Coherence Tomography: Skin Imaging. IEEE Journal of Selected Topics in Quantum Electronics, 2010, 16, 748-754.	1.9	31
9	A comparison of imaging methodologies for 3D tissue engineering. Microscopy Research and Technique, 2010, 73, 1123-1133.	1.2	68
10	Using swept-source optical coherence tomography to monitor the formation of neo-epidermis in tissue-engineered skin. Journal of Tissue Engineering and Regenerative Medicine, 2010, 4, 652-658.	1.3	27
11	Development of a Three Dimensional Multiscale Computational Model of the Human Epidermis. PLoS ONE, 2010, 5, e8511.	1.1	84
12	NIK and IKKÎ² interdependence in NF-ÎºB signallingâ€"Flux analysis of regulation through metabolites. BioSystems, 2010, 99, 140-149.	0.9	7
13	Evaluation of a cheap ultrasonic stage for light source coherence function measurement, optical coherence tomography, optical coherence microscopy, and dynamic focusing. Proceedings of SPIE, 2009, , .	0.8	0
14	Evaluation of a cheap ultrasonic stage for light source coherence function measurement, optical coherence tomography and dynamic focusing. Measurement Science and Technology, 2009, 20, 107002.	1.4	1
15	Beyond the visuals: tactile augmentation and sensory enhancement in an arthroscopy simulator. Virtual Reality, 2009, 13, 59-68.	4.1	27
16	Development of a mini 3D cell culture system using well defined nickel grids for the investigation of cell scaffold interactions. Journal of Materials Science: Materials in Medicine, 2009, 20, 1483-1493.	1.7	10
17	Computational modeling of epithelial tissues. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2009, 1, 191-201.	6.6	19
18	Towards a Complex Automata Multiscale Model of In-Stent Restenosis. Lecture Notes in Computer Science, 2009, , 705-714.	1.0	11

#	Article	IF	Citations
19	Exploring Hypotheses of the Actions of TGF-Î²1 in Epidermal Wound Healing Using a 3D Computational Multiscale Model of the Human Epidermis. PLoS ONE, 2009, 4, e8515.	1.1	54
20	The feasibility of a mixed reality surgical training environment. Virtual Reality, 2008, 12, 77-86.	4.1	34
21	Development of spatiotemporal validation methods of an agent-based model of epithelial cells: analysis of a colony of keratinocytes. International Journal of Functional Informatics and Personalised Medicine, 2008, 1, 335.	0.4	0
22	Agent Based Modelling Helps in Understanding the Rules by Which Fibroblasts Support Keratinocyte Colony Formation. PLoS ONE, 2008, 3, e2129.	1.1	24
23	Introducing Spatial Information into Predictive NF-ÎºB Modelling â€“ An Agent-Based Approach. PLoS ONE, 2008, 3, e2367.	1.1	56
24	Spatiotemporal Analysis of an Agent-Based Model of a Colony of Keratinocytes: A First Approach for the Development of Validation Methods. , 2007, , .		0
25	An integrated systems biology approach to understanding the rules of keratinocyte colony formation. Journal of the Royal Society Interface, 2007, 4, 1077-1092.	1.5	52
26	Formal agent-based modelling of intracellular chemical interactions. BioSystems, 2006, 85, 37-45.	0.9	122
27	Modeling the Effect of Exogenous Calcium on Keratinocyte and HaCat Cell Proliferation and Differentiation Using an Agent-Based Computational Paradigm. Tissue Engineering, 2006, 12, 2301-2309.	4.9	25
28	Electrical impedance spectroscopy and the diagnosis of bladder pathology. Physiological Measurement, 2006, 27, 585-596.	1.2	64
29	A planar micro-sensor for bio-impedance measurements. Sensors and Actuators B: Chemical, 2005, 111-112, 430-435.	4.0	23
30	Distinct NF-ÎºB Regulation by Shear Stress Through Ras-Dependent IÎºBÎ± Oscillations. Circulation Research, 2005, 96, 626-634.	2.0	39
31	Stand-off electrode (SoE): a new method for improving the sensitivity distribution of a tetrapolar probe. Physiological Measurement, 2003, 24, 517-525.	1.2	8
32	Relation between tissue structure and imposed electrical current flow in cervical neoplasia. Lancet, The, 2000, 355, 892-895.	6.3	186