

# John W Haycock

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

98  
papers

4,613  
citations

37  
h-index

66  
g-index

101  
ext. papers

5,142  
ext. citations

5.9  
avg. IF

5.67  
L-index

#	Paper	IF	Citations
98	Polyhydroxyalkanoates and their advances for biomedical applications.. <i>Trends in Molecular Medicine</i> , <b>2022</b> ,	11.5	6
97	Biomaterials and Scaffolds for Repair of the Peripheral Nervous System. <i>Reference Series in Biomedical Engineering</i> , <b>2022</b> , 245-279		0
96	Cost effective optimised synthetic surface modification strategies for enhanced control of neuronal cell differentiation and supporting neuronal and Schwann cell viability. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2021</b> , 109, 1713-1723	3.5	2
95	A Tuneable, Photocurable, Poly(Caprolactone)-Based Resin for Tissue Engineering-Synthesis, Characterisation and Use in Stereolithography. <i>Molecules</i> , <b>2021</b> , 26,	4.8	8
94	Harnessing Polyhydroxyalkanoates and Pressurized Gyration for Hard and Soft Tissue Engineering. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 32624-32639	9.5	13
93	Cell guidance on peptide micropatterned silk fibroin scaffolds. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 603, 380-390	9.3	3
92	Bioresorbable and Mechanically Optimized Nerve Guidance Conduit Based on a Naturally Derived Medium Chain Length Polyhydroxyalkanoate and Poly(ε-Caprolactone) Blend. <i>ACS Biomaterials Science and Engineering</i> , <b>2021</b> , 7, 672-689	5.5	6
91	Patterning the neuronal cells via inkjet printing of self-assembled peptides on silk scaffolds. <i>Progress in Natural Science: Materials International</i> , <b>2020</b> , 30, 686-696	3.6	4
90	Biomimetic surface delivery of NGF and BDNF to enhance neurite outgrowth. <i>Biotechnology and Bioengineering</i> , <b>2020</b> , 117, 3124-3135	4.9	8
89	Modulation of neuronal cell affinity of composite scaffolds based on polyhydroxyalkanoates and bioactive glasses. <i>Biomedical Materials (Bristol)</i> , <b>2020</b> , 15, 045024	3.5	9
88	A Dinuclear Ruthenium(II) Complex Excited by Near-Infrared Light through Two-Photon Absorption Induces Phototoxicity Deep within Hypoxic Regions of Melanoma Cancer Spheroids. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 4639-4647	16.4	46
87	UV-Casting on Methacrylated PCL for the Production of a Peripheral Nerve Implant Containing an Array of Porous Aligned Microchannels. <i>Polymers</i> , <b>2020</b> , 12,	4.5	12
86	The Role of Schwann Cells in Peripheral Nerve Function, Injury, and Repair <b>2020</b> , 215-236		
85	Biomaterials and Scaffolds for Repair of the Peripheral Nervous System <b>2020</b> , 1-35		0
84	The Role of Schwann Cells in Peripheral Nerve Function, Injury, and Repair <b>2020</b> , 1-22		
83	Unidirectional neuronal cell growth and differentiation on aligned polyhydroxyalkanoate blend microfibres with varying diameters. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , <b>2019</b> , 13, 1581-1594	4.4	28
82	A dinuclear ruthenium(ii) phototherapeutic that targets duplex and quadruplex DNA. <i>Chemical Science</i> , <b>2019</b> , 10, 3502-3513	9.4	35

81	Recent concepts in biodegradable polymers for tissue engineering paradigms: a critical review. <i>International Materials Reviews</i> , <b>2019</b> , 64, 91-126	16.1	86
80	Additive manufactured biodegradable poly(glycerol sebacate methacrylate) nerve guidance conduits. <i>Acta Biomaterialia</i> , <b>2018</b> , 78, 48-63	10.8	53
79	Pre-clinical evaluation of advanced nerve guide conduits using a novel 3D testing model. <i>International Journal of Bioprinting</i> , <b>2018</b> , 4, 123	6.2	12
78	An Improved Methodology to Visualise Tumour Induced Changes in Vasculature Using the Chick Chorionic Allantoic Membrane Assay. <i>In Vivo</i> , <b>2018</b> , 32, 461-472	2.3	15
77	Oxygen Mapping of Melanoma Spheroids using Small Molecule Platinum Probe and Phosphorescence Lifetime Imaging Microscopy. <i>Scientific Reports</i> , <b>2017</b> , 7, 10743	4.9	19
76	Photochemically modified diamond-like carbon surfaces for neural interfaces. <i>Materials Science and Engineering C</i> , <b>2016</b> , 58, 1199-206	8.3	8
75	Combining 3D human in vitro methods for a 3Rs evaluation of novel titanium surfaces in orthopaedic applications. <i>Biotechnology and Bioengineering</i> , <b>2016</b> , 113, 1586-99	4.9	11
74	Inkjet printing Schwann cells and neuronal analogue NG108-15 cells. <i>Biofabrication</i> , <b>2016</b> , 8, 015017	10.5	68
73	Decellularisation and histological characterisation of porcine peripheral nerves. <i>Biotechnology and Bioengineering</i> , <b>2016</b> , 113, 2041-53	4.9	39
72	Arginine-glycine-aspartic acid functional branched semi-interpenetrating hydrogels. <i>Soft Matter</i> , <b>2015</b> , 11, 7567-7578	3.6	7
71	An anatomical study of porcine peripheral nerve and its potential use in nerve tissue engineering. <i>Journal of Anatomy</i> , <b>2015</b> , 227, 302-14	2.9	29
70	Nerve tissue engineering using blends of poly(3-hydroxyalkanoates) for peripheral nerve regeneration. <i>Engineering in Life Sciences</i> , <b>2015</b> , 15, 612-621	3.4	49
69	Three-dimensional imaging and uptake of the anticancer drug combretastatin in cell spheroids and photoisomerization in gels with multiphoton excitation. <i>Journal of Biomedical Optics</i> , <b>2015</b> , 20, 78003	3.5	10
68	Investigating NF- $\kappa$ B signaling in lung fibroblasts in 2D and 3D culture systems. <i>Respiratory Research</i> , <b>2015</b> , 16, 144	7.3	20
67	Nerve guides manufactured from photocurable polymers to aid peripheral nerve repair. <i>Biomaterials</i> , <b>2015</b> , 49, 77-89	15.6	120
66	Development of 3D In Vitro Models of Nerve and Skin for Disease, Disorder and Testing Studies. <i>FASEB Journal</i> , <b>2015</b> , 29, 13.3	0.9	
65	Long-lived metal complexes open up microsecond lifetime imaging microscopy under multiphoton excitation: from FLIM to PLIM and beyond. <i>Chemical Science</i> , <b>2014</b> , 5, 879-886	9.4	139
64	Two-photon phosphorescence lifetime imaging of cells and tissues using a long-lived cyclometallated Npyridyl <sup>^</sup> Cphenyl <sup>^</sup> Npyridyl Pt(II) complex. <i>RSC Advances</i> , <b>2014</b> , 4, 35003-35008	3.7	31

63	Immunocompetent 3D model of human upper airway for disease modeling and in vitro drug evaluation. <i>Molecular Pharmaceutics</i> , <b>2014</b> , 11, 2082-91	5.6	53
62	State-of-the-art of 3D cultures (organs-on-a-chip) in safety testing and pathophysiology. <i>ALTEX: Alternatives To Animal Experimentation</i> , <b>2014</b> , 31, 441-77	4.3	122
61	Dinuclear ruthenium(II) complexes as two-photon, time-resolved emission microscopy probes for cellular DNA. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 3367-71	16.4	141
60	Laser exposure of gold nanorods can induce intracellular calcium transients. <i>Journal of Biophotonics</i> , <b>2014</b> , 7, 761-5	3.1	53
59	Dinuclear Ruthenium(II) Complexes as Two-Photon, Time-Resolved Emission Microscopy Probes for Cellular DNA. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 3435-3439	3.6	22
58	Laser exposure of gold nanorods can increase neuronal cell outgrowth. <i>Biotechnology and Bioengineering</i> , <b>2013</b> , 110, 2277-91	4.9	72
57	Plasmonic properties of gold nanoparticles can promote neuronal activity <b>2013</b> ,		6
56	The development of a 3D immunocompetent model of human skin. <i>Biofabrication</i> , <b>2013</b> , 5, 035011	10.5	57
55	Effects of laser-exposed gold nanorods on biochemical pathways of neuronal cells <b>2013</b> ,		2
54	An aligned 3D neuronal-glia co-culture model for peripheral nerve studies. <i>Biomaterials</i> , <b>2012</b> , 33, 5901-136	13.6	113
53	Integrated culture and purification of rat Schwann cells from freshly isolated adult tissue. <i>Nature Protocols</i> , <b>2012</b> , 7, 1996-2004	18.8	94
52	Next generation nerve guides: materials, fabrication, growth factors, and cell delivery. <i>Tissue Engineering - Part B: Reviews</i> , <b>2012</b> , 18, 116-28	7.9	157
51	Human hair follicle dermal cells and skin fibroblasts show differential activation of NF- $\kappa$ B in response to pro-inflammatory challenge. <i>Experimental Dermatology</i> , <b>2012</b> , 21, 158-60	4	11
50	Three-dimensional alignment of schwann cells using hydrolysable microfiber scaffolds: strategies for peripheral nerve repair. <i>Methods in Molecular Biology</i> , <b>2011</b> , 695, 155-66	1.4	25
49	3D cell culture: a review of current approaches and techniques. <i>Methods in Molecular Biology</i> , <b>2011</b> , 695, 1-15	1.4	312
48	Anatomical site influences the differentiation of adipose-derived stem cells for Schwann-cell phenotype and function. <i>Glia</i> , <b>2011</b> , 59, 734-49	9	76
47	Melanocortin signalling mechanisms. <i>Advances in Experimental Medicine and Biology</i> , <b>2010</b> , 681, 19-28	3.6	26
46	The effect of trapping superparamagnetic beads on domain wall motion. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 192503	3.4	25

45	Switchable Cell Trapping Using Superparamagnetic Beads. <i>IEEE Magnetics Letters</i> , <b>2010</b> , 1, 1500104-1500104	4.9	27
44	Development of a 3D human in vitro skin co-culture model for detecting irritants in real-time. <i>Biotechnology and Bioengineering</i> , <b>2010</b> , 106, 794-803	4.9	33
43	Generation of Bioactive Materials with Rapid Self-Assembling Resorcinarene-Peptides. <i>Advanced Materials</i> , <b>2009</b> , 21, 2909-2915	24	10
42	Sub-micron poly(N-isopropylacrylamide) particles as temperature responsive vehicles for the detachment and delivery of human cells. <i>Soft Matter</i> , <b>2009</b> , 5, 4928	3.6	27
41	Anti-microbial action of melanocortin peptides and identification of a novel X-Pro-D/L-Val sequence in Gram-positive and Gram-negative bacteria. <i>Peptides</i> , <b>2008</b> , 29, 1004-9	3.8	19
40	Time-resolved and two-photon emission imaging microscopy of live cells with inert platinum complexes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 16071-6	11.5	301
39	Development of biodegradable electrospun scaffolds for dermal replacement. <i>Biomaterials</i> , <b>2008</b> , 29, 3091-104	15.6	191
38	Development of a bioreactor for evaluating novel nerve conduits. <i>Biotechnology and Bioengineering</i> , <b>2008</b> , 99, 1250-60	4.9	28
37	Highly branched poly-(N-isopropylacrylamide)s with arginine-glycine-aspartic acid (RGD)- or COOH-chain ends that form sub-micron stimulus-responsive particles above the critical solution temperature. <i>Soft Matter</i> , <b>2007</b> , 3, 971-973	3.6	72
36	Development of a 3D cell culture system for investigating cell interactions with electrospun fibers. <i>Biotechnology and Bioengineering</i> , <b>2007</b> , 97, 1318-28	4.9	87
35	Monofunctionalised resorcinarenes. <i>Tetrahedron Letters</i> , <b>2007</b> , 48, 1317-1319	2	11
34	Investigation of fibroblast and keratinocyte cell-scaffold interactions using a novel 3D cell culture system. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2007</b> , 18, 321-8	4.5	23
33	Differential effects of glutathione S-transferase pi (GSTP1) haplotypes on cell proliferation and apoptosis. <i>Carcinogenesis</i> , <b>2007</b> , 28, 2268-73	4.6	69
32	Real-time detection of stress in 3D tissue-engineered constructs using NF-kappaB activation in transiently transfected human dermal fibroblast cells. <i>Tissue Engineering</i> , <b>2007</b> , 13, 1013-24		16
31	A selective small molecule agonist of the melanocortin-1 receptor inhibits lipopolysaccharide-induced cytokine accumulation and leukocyte infiltration in mice. <i>Journal of Leukocyte Biology</i> , <b>2006</b> , 80, 897-904	6.5	31
30	Culture of skin cells in 3D rather than 2D improves their ability to survive exposure to cytotoxic agents. <i>Journal of Biotechnology</i> , <b>2006</b> , 122, 372-81	3.7	200
29	alpha-Melanocyte stimulating hormone, inflammation and human melanoma. <i>Peptides</i> , <b>2006</b> , 27, 444-52	3.8	81
28	Melanocyte stimulating hormone peptides inhibit TNF-alpha signaling in human dermal fibroblast cells. <i>Peptides</i> , <b>2006</b> , 27, 421-30	3.8	33

27	Immobilized alpha-melanocyte stimulating hormone 10-13 (GKPV) inhibits tumor necrosis factor-alpha stimulated NF-kappaB activity. <i>Peptides</i> , <b>2006</b> , 27, 431-7	3.8	12
26	Sodium salicylate inhibits TNF-alpha-induced NF-kappaB activation, cell migration, invasion and ICAM-1 expression in human melanoma cells. <i>Melanoma Research</i> , <b>2006</b> , 16, 11-22	3.3	25
25	Function-blocking autoantibodies to the melanin-concentrating hormone receptor in vitiligo patients. <i>Laboratory Investigation</i> , <b>2006</b> , 86, 781-9	5.9	21
24	In situ image analysis of interactions between normal human keratinocytes and fibroblasts cultured in three-dimensional fibrin gels. <i>Biomaterials</i> , <b>2006</b> , 27, 3459-65	15.6	26
23	Self-organization of skin cells in three-dimensional electrospun polystyrene scaffolds. <i>Tissue Engineering</i> , <b>2005</b> , 11, 1023-33		117
22	Development of a closed bioreactor system for culture of tissue-engineered skin at an air-liquid interface. <i>Tissue Engineering</i> , <b>2005</b> , 11, 1824-31		34
21	Alpha-melanocyte stimulating hormone cytoprotective biology in human dermal fibroblast cells. <i>Peptides</i> , <b>2005</b> , 26, 1150-8	3.8	24
20	Melanoma cell migration is upregulated by tumour necrosis factor-alpha and suppressed by alpha-melanocyte-stimulating hormone. <i>British Journal of Cancer</i> , <b>2004</b> , 90, 1457-63	8.7	40
19	Developments in xenobiotic-free culture of human keratinocytes for clinical use. <i>Wound Repair and Regeneration</i> , <b>2004</b> , 12, 626-34	3.6	64
18	alpha-Melanocyte-stimulating hormone, MSH 11-13 KPV and adrenocorticotrophic hormone signalling in human keratinocyte cells. <i>Journal of Investigative Dermatology</i> , <b>2004</b> , 122, 1010-9	4.3	40
17	Measurement of NF-kappaB in normal and reconstructed human skin in vitro. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2004</b> , 15, 743-9	4.5	12
16	Alpha-MSH inhibits inflammatory signalling in Schwann cells. <i>NeuroReport</i> , <b>2004</b> , 15, 493-8	1.7	34
15	Alpha-MSH inhibits inflammatory signalling in olfactory ensheathing cells. <i>NeuroReport</i> , <b>2003</b> , 14, 2171-5	1.7	18
14	Tumor necrosis factor alpha increases and alpha-melanocyte-stimulating hormone reduces uveal melanoma invasion through fibronectin. <i>Journal of Investigative Dermatology</i> , <b>2003</b> , 121, 557-63	4.3	18
13	Anti-inflammatory and anti-invasive effects of alpha-melanocyte-stimulating hormone in human melanoma cells. <i>British Journal of Cancer</i> , <b>2003</b> , 89, 2004-15	8.7	56
12	Melanoma cell attachment, invasion, and integrin expression is upregulated by tumor necrosis factor alpha and suppressed by alpha melanocyte stimulating hormone. <i>Journal of Investigative Dermatology</i> , <b>2002</b> , 119, 1165-71	4.3	36
11	Inhibition of tumor necrosis factor-alpha stimulated NFkappaB/p65 in human keratinocytes by alpha-melanocyte stimulating hormone and adrenocorticotrophic hormone peptides. <i>Journal of Investigative Dermatology</i> , <b>2002</b> , 119, 1244-53	4.3	61
10	Loss-of-function variants of the human melanocortin-1 receptor gene in melanoma cells define structural determinants of receptor function. <i>FEBS Journal</i> , <b>2002</b> , 269, 6133-41		53

9	Cellular and hormonal regulation of pigmentation in human ocular melanocytes. <i>Pigment Cell &amp; Melanoma Research</i> , <b>2001</b> , 14, 298-309		18
8	Alpha-melanocyte-stimulating hormone reduces impact of proinflammatory cytokine and peroxide-generated oxidative stress on keratinocyte and melanoma cell lines. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 15629-36	5.4	69
7	alpha-MSH immunomodulation acts via rel/NF-kappa B in cutaneous and ocular melanocytes and in melanoma cells. <i>Annals of the New York Academy of Sciences</i> , <b>1999</b> , 885, 396-9	6.5	16
6	Alpha-melanocyte-stimulating hormone inhibits NF-kappaB activation in human melanocytes and melanoma cells. <i>Journal of Investigative Dermatology</i> , <b>1999</b> , 113, 560-6	4.3	54
5	The participation of proliferative keratinocytes in the preimmune response to sensitizing agents. <i>British Journal of Dermatology</i> , <b>1998</b> , 138, 45-56	4	18
4	Oxidative damage to protein and alterations to antioxidant levels in human cutaneous thermal injury. <i>Burns</i> , <b>1997</b> , 23, 533-40	2.3	37
3	Effect of prednisone on protease activities and structural protein levels in rat muscles in vivo. <i>Clinica Chimica Acta</i> , <b>1996</b> , 249, 47-58	6.2	13
2	Oxidative damage to muscle protein in Duchenne muscular dystrophy. <i>NeuroReport</i> , <b>1996</b> , 8, 357-61	1.7	110
1	Differential susceptibility of human skeletal muscle proteins to free radical induced oxidative damage: a histochemical, immunocytochemical and electron microscopical study in vitro. <i>Acta Neuropathologica</i> , <b>1996</b> , 92, 331-40	14.3	62