

Leigh A Madden

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.

92
papers

2,264
citations

30
h-index

44
g-index

100
ext. papers

2,508
ext. citations

4.9
avg, IF

4.81
L-index

#	Paper	IF	Citations
92	Biofilm-Infected Human Clusteroid Three-Dimensional Coculture Platform to Replace Animal Models in Testing Antimicrobial Nanotechnologies. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 22182-22194	9.5	6
91	Enhanced clearing of biofilms on a 3D urothelial cell model using lysozyme-functionalized fluconazole-loaded shellac nanoparticles. <i>Biomaterials Science</i> , 2021 , 9, 6927-6939	7.4	1
90	Recent Advancements in Hematology: Knowledge, Methods and Dissemination, Part 2. <i>Hemato</i> , 2021 , 2, 79-88	0.2	
89	Advanced biomedical applications based on emerging 3D cell culturing platforms. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 10487-10501	7.3	11
88	Isolated tumour microparticles induce endothelial microparticle release in vitro. <i>Blood Coagulation and Fibrinolysis</i> , 2020 , 31, 35-42	1	2
87	Removal of Human Leukemic Cells from Peripheral Blood Mononuclear Cells by Cell Recognition Chromatography with Size Matched Particle Imprints.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 789-800	4.1	1
86	The effects of empagliflozin vs metformin on endothelial microparticles in overweight/obese women with polycystic ovary syndrome. <i>Endocrine Connections</i> , 2020 , 9, 563-569	3.5	7
85	High-throughput fabrication of hepatic cell clusteroids with enhanced growth and functionality for tissue engineering applications. <i>Materials Advances</i> , 2020 , 1, 3022-3032	3.3	4
84	Feasibility of a novel exercise prehabilitation programme in patients scheduled for elective colorectal surgery: a feasibility randomised controlled trial. <i>Supportive Care in Cancer</i> , 2020 , 28, 3197-3206	3.9	18
83	Effect of home-based resistance training performed with or without a high-speed component in adults with severe obesity. <i>Translational Sports Medicine</i> , 2020 , 3, 34-45	1.3	2
82	Targeted removal of blood cancer cells from mixed cell populations by cell recognition with matching particle imprints. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 197-205	7.8	2
81	Impaired heat shock protein 72 expression in women with polycystic ovary syndrome following a supervised exercise programme. <i>Cell Stress and Chaperones</i> , 2020 , 25, 73-80	4	1
80	Bioimprint Mediated Label-Free Isolation of Pancreatic Tumor Cells from a Healthy Peripheral Blood Cell Population. <i>Advanced Biology</i> , 2020 , 4, e2000054	3.5	
79	Resistance training leads to large improvements in strength and moderate improvements in physical function in adults who are overweight or obese: a systematic review. <i>Journal of Physiotherapy</i> , 2020 , 66, 214-224	2.9	2
78	Doxorubicin Enhances Procoagulant Activity of Endothelial Cells after Exposure to Tumour Microparticles on Microfluidic Devices. <i>Hemato</i> , 2020 , 1, 23-34	0.2	
77	Test-Retest Reliability of a Commercial Linear Position Transducer (GymAware PowerTool) to Measure Velocity and Power in the Back Squat and Bench Press. <i>Journal of Strength and Conditioning Research</i> , 2020 , 34, 728-737	3.2	41
76	The CD105:CD106 microparticle ratio is CD106 dominant in polycystic ovary syndrome compared to type 2 diabetes and healthy subjects. <i>Endocrine</i> , 2019 , 66, 220-225	4	1

75	Bioimprint aided cell recognition and depletion of human leukemic HL60 cells from peripheral blood. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 3497-3504	7.3	5
74	Circulating Endothelial Microparticles Reduce in Concentration Following an Exercise Programme in Women With Polycystic Ovary Syndrome. <i>Frontiers in Endocrinology</i> , 2019 , 10, 200	5.7	10
73	Validity and Reliability of a Wearable Inertial Sensor to Measure Velocity and Power in the Back Squat and Bench Press. <i>Journal of Strength and Conditioning Research</i> , 2019 , 33, 2398-2408	3.2	31
72	Fabrication of Human Keratinocyte Cell Clusters for Skin Graft Applications by Templating Water-in-Water Pickering Emulsions. <i>Biomimetics</i> , 2019 , 4,	3.7	11
71	Procoagulant tumor microvesicles attach to endothelial cells on biochips under microfluidic flow. <i>Biomicrofluidics</i> , 2019 , 13, 064124	3.2	4
70	Can sit-to-stand muscle power explain the ability to perform functional tasks in adults with severe obesity?. <i>Journal of Sports Sciences</i> , 2019 , 37, 1227-1234	3.6	11
69	Effects of acute insulin-induced hypoglycaemia on endothelial microparticles in adults with and without type 2 diabetes. <i>Diabetes, Obesity and Metabolism</i> , 2019 , 21, 533-540	6.7	17
68	Short-Term Training and Detraining Effects of Supervised vs. Unsupervised Resistance Exercise in Aging Adults. <i>Journal of Strength and Conditioning Research</i> , 2019 , 33, 2733-2742	3.2	7
67	The Effect of a Simulated Commercial Flight Environment with Hypoxia and Low Humidity on Clotting, Platelet, and Endothelial Function in Participants with Type 2 Diabetes - A Cross-over Study. <i>Frontiers in Endocrinology</i> , 2018 , 9, 26	5.7	1
66	Exercise prehabilitation in elective intra-cavity surgery: A role within the ERAS pathway? A narrative review. <i>International Journal of Surgery</i> , 2018 , 56, 328-333	7.5	17
65	Cancer microvesicles induce tissue factor-related procoagulant activity in endothelial cells in vitro. <i>Blood Coagulation and Fibrinolysis</i> , 2017 , 28, 365-372	1	8
64	Differing mechanisms of thrombin generation in live haematological and solid cancer cells determined by calibrated automated thrombography. <i>Blood Coagulation and Fibrinolysis</i> , 2017 , 28, 602-611	6.1	4
63	Cancer bioimprinting and cell shape recognition for diagnosis and targeted treatment. <i>Chemical Society Reviews</i> , 2017 , 46, 5110-5127	58.5	25
62	Standardization of microparticle enumeration across different flow cytometry platforms: results of a multicenter collaborative workshop. <i>Journal of Thrombosis and Haemostasis</i> , 2017 , 15, 187-193	15.4	73
61	Chemotherapy treatment of multiple myeloma patients increases circulating levels of endothelial microvesicles. <i>Thrombosis Research</i> , 2016 , 146, 20-22	8.2	2
60	Duramycin-porphyrin conjugates for targeting of tumour cells using photodynamic therapy. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016 , 163, 374-84	6.7	10
59	Implications of a pre-exercise alkalosis-mediated attenuation of HSP72 on its response to a subsequent bout of exercise. <i>Amino Acids</i> , 2016 , 48, 499-504	3.5	2
58	The test-retest reliability of four functional mobility tests in apparently healthy adults. <i>Isokinetics and Exercise Science</i> , 2016 , 24, 171-179	0.6	8

57	Duramycin-induced calcium release in cancer cells. <i>Anti-Cancer Drugs</i> , 2016 , 27, 173-82	2.4	9
56	Fibrinolytic effects of peroneal nerve stimulation in patients with lower limb vascular disease. <i>Blood Coagulation and Fibrinolysis</i> , 2016 , 27, 275-80	1	2
55	Effect of resection of localized pancreaticobiliary adenocarcinoma on angiogenic markers and tissue factor related pro-thrombotic and pro-angiogenic activity. <i>Thrombosis Research</i> , 2014 , 134, 479-87	8.2	6
54	Repeated supra-maximal sprint cycling with and without sodium bicarbonate supplementation induces endothelial microparticle release. <i>European Journal of Sport Science</i> , 2014 , 14, 345-52	3.9	8
53	The physiological stress response to high-intensity sprint exercise following the ingestion of sodium bicarbonate. <i>European Journal of Applied Physiology</i> , 2013 , 113, 127-34	3.4	7
52	High versus low glycemic index 3-h recovery diets following glycogen-depleting exercise has no effect on subsequent 5-km cycling time trial performance. <i>Journal of Science and Medicine in Sport</i> , 2013 , 16, 450-4	4.4	10
51	Tumour and microparticle tissue factor expression and cancer thrombosis. <i>Thrombosis Research</i> , 2013 , 131, 109-15	8.2	37
50	Photothermal colloid antibodies for shape-selective recognition and killing of microorganisms. <i>Journal of the American Chemical Society</i> , 2013 , 135, 5282-5	16.4	89
49	The influence of exogenous carbohydrate provision and pre-exercise alkalosis on the heat shock protein response to prolonged interval cycling. <i>Amino Acids</i> , 2013 , 44, 903-10	3.5	5
48	High-polyphenol chocolate reduces endothelial dysfunction and oxidative stress during acute transient hyperglycaemia in Type 2 diabetes: a pilot randomized controlled trial. <i>Diabetic Medicine</i> , 2013 , 30, 478-83	3.5	41
47	Tissue factor expression determines tumour cell coagulation kinetics. <i>International Journal of Laboratory Hematology</i> , 2012 , 34, 396-402	2.5	24
46	Intraluminal thrombus has a selective influence on matrix metalloproteinases and their inhibitors (tissue inhibitors of matrix metalloproteinases) in the wall of abdominal aortic aneurysms. <i>Annals of Vascular Surgery</i> , 2012 , 26, 322-9	1.7	30
45	Increased inducible heat shock protein 72 expression associated with PBMC isolated from patients with haematological tumours. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2012 , 72, 380-6	2	3
44	Duramycin exhibits antiproliferative properties and induces apoptosis in tumour cells. <i>Blood Coagulation and Fibrinolysis</i> , 2012 , 23, 396-401	1	17
43	Viability of plant spore exine capsules for microencapsulation. <i>Journal of Materials Chemistry</i> , 2011 , 21, 975-981		65
42	Flow focussing of particles and cells based on their intrinsic properties using a simple diamagnetic repulsion setup. <i>Lab on A Chip</i> , 2011 , 11, 1240-8	7.2	69
41	Pancreatic cancer cell and microparticle procoagulant surface characterization: involvement of membrane-expressed tissue factor, phosphatidylserine and phosphatidylethanolamine. <i>Blood Coagulation and Fibrinolysis</i> , 2011 , 22, 680-7	1	35
40	Pre-exercise alkalosis attenuates the heat shock protein 72 response to a single-bout of anaerobic exercise. <i>Journal of Science and Medicine in Sport</i> , 2011 , 14, 435-40	4.4	22

39	Daily hypoxia increases basal monocyte HSP72 expression in healthy human subjects. <i>Amino Acids</i> , 2011 , 40, 393-401	3.5	31
38	The effect of hyperbaric oxygen preconditioning on heat shock protein 72 expression following in vitro stress in human monocytes. <i>Cell Stress and Chaperones</i> , 2011 , 16, 339-43	4	9
37	The effect of acute hyperoxia in vivo on NF kappa B expression in human PBMC. <i>Cell Biochemistry and Function</i> , 2011 , 29, 71-3	4.2	6
36	Identification of methicillin-resistant Staphylococcus aureus-specific peptides for targeted photoantimicrobial chemotherapy. <i>Photochemical and Photobiological Sciences</i> , 2011 , 10, 515-22	4.2	3
35	The Hemostasis Apparatus in Pancreatic Cancer and Its Importance beyond Thrombosis. <i>Cancers</i> , 2011 , 3, 267-84	6.6	3
34	Serum IL10 and circulating CD4(+) CD25(high) regulatory T cell numbers as predictors of clinical outcome and survival in patients with head and neck squamous cell carcinoma. <i>Head and Neck</i> , 2011 , 33, 415-23	4.2	32
33	Endothelial function and stress response after simulated dives to 18 msw breathing air or oxygen. <i>Aviation, Space, and Environmental Medicine</i> , 2010 , 81, 41-5		43
32	Weight-adjusted dalteparin for prevention of vascular thromboembolism in advanced pancreatic cancer patients decreases serum tissue factor and serum-mediated induction of cancer cell invasion. <i>Blood Coagulation and Fibrinolysis</i> , 2010 , 21, 452-8	1	21
31	The effect of acute hypoxia on heat shock protein 72 expression and oxidative stress in vivo. <i>European Journal of Applied Physiology</i> , 2010 , 109, 849-55	3.4	24
30	In vitro heat shock of human monocytes results in a proportional increase of inducible Hsp70 expression according to the basal content. <i>Amino Acids</i> , 2010 , 38, 1423-8	3.5	19
29	Daily quadratic trend in basal monocyte expressed HSP72 in healthy human subjects. <i>Amino Acids</i> , 2010 , 38, 1483-8	3.5	18
28	Standardization of platelet-derived microparticle enumeration by flow cytometry with calibrated beads: results of the International Society on Thrombosis and Haemostasis SSC Collaborative workshop. <i>Journal of Thrombosis and Haemostasis</i> , 2010 , 8, 2571-4	15.4	270
27	Acute antioxidant pre-treatment attenuates endothelial microparticle release after decompression. <i>Diving and Hyperbaric Medicine</i> , 2010 , 40, 184-8	1	8
26	Hypoxia mediated release of endothelial microparticles and increased association of S100A12 with circulating neutrophils. <i>Oxidative Medicine and Cellular Longevity</i> , 2009 , 2, 2-6	6.7	37
25	Release of VCAM-1 associated endothelial microparticles following simulated SCUBA dives. <i>European Journal of Applied Physiology</i> , 2009 , 105, 507-13	3.4	45
24	Variation in basal heat shock protein 70 is correlated to core temperature in human subjects. <i>Amino Acids</i> , 2009 , 37, 279-84	3.5	32
23	Preoperative serum levels of serum VEGF-C is associated with distant metastasis in colorectal cancer patients. <i>International Journal of Colorectal Disease</i> , 2009 , 24, 269-74	3	17
22	Gas bubbles may not be the underlying cause of decompression illness - The at-depth endothelial dysfunction hypothesis. <i>Medical Hypotheses</i> , 2009 , 72, 389-92	3.8	35

21	Binding optimization through coordination chemistry: CXCR4 chemokine receptor antagonists from ultrarigid metal complexes. <i>Journal of the American Chemical Society</i> , 2009 , 131, 3416-7	16.4	73
20	Preoperative serum vascular endothelial growth factor-a is a marker for subsequent recurrence in colorectal cancer patients. <i>Diseases of the Colon and Rectum</i> , 2009 , 52, 993-9	3.1	9
19	Microparticle-associated vascular adhesion molecule-1 and tissue factor follow a circadian rhythm in healthy human subjects. <i>Thrombosis and Haemostasis</i> , 2008 , 99, 909-15	7	35
18	The effect of 15 consecutive days of heat-exercise acclimation on heat shock protein 70. <i>Cell Stress and Chaperones</i> , 2008 , 13, 169-75	4	38
17	Inducible heat shock protein 70 and its role in preconditioning and exercise. <i>Amino Acids</i> , 2008 , 34, 511-63.5	6.5	60
16	Effects of active and passive hyperthermia on heat shock protein 70 (HSP70). <i>Amino Acids</i> , 2008 , 34, 203-14	3.14	6
15	Anti-p53 autoantibody in colorectal cancer: prognostic significance in long-term follow-up. <i>International Journal of Colorectal Disease</i> , 2008 , 23, 595-600	3	28
14	Fluorescent CXCR4 chemokine receptor antagonists: metal activated binding. <i>Chemical Communications</i> , 2007 , 416-8	5.8	37
13	The time-profile of the PBMC HSP70 response to in vitro heat shock appears temperature-dependent. <i>Amino Acids</i> , 2007 , 33, 137-44	3.5	17
12	Th1/Th2 cytokine imbalance in meningioma, anaplastic astrocytoma and glioblastoma multiforme patients. <i>Oncology Reports</i> , 2006 , 15, 1513-6	3.5	41
11	Hyperbaric oxygen: a new drug in myocardial revascularization and protection?. <i>Cardiovascular Revascularization Medicine</i> , 2006 , 7, 146-54	1.6	34
10	The development and characterisation of porphyrin isothiocyanate-monoclonal antibody conjugates for photoimmunotherapy. <i>British Journal of Cancer</i> , 2005 , 92, 1442-9	8.7	100
9	Pretreatment with hyperbaric oxygen and its effect on neuropsychometric dysfunction and systemic inflammatory response after cardiopulmonary bypass: a prospective randomized double-blind trial. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2005 , 130, 1623-30	1.5	68
8	Novel CD43 specific phage antibodies react with early stage colorectal tumours. <i>Oncology Reports</i> , 2004 , 11, 327-31	3.5	6
7	Cytotoxic T-cell immunity against telomerase reverse transcriptase in colorectal cancer patients. <i>Oncology Reports</i> , 2004 , 12, 871-6	3.5	12
6	Production and characterization of poly(3-hydroxybutyrate-co-3-hydroxyvalerate-co-4-hydroxybutyrate) synthesized by <i>Ralstonia eutropha</i> in fed-batch cultures. <i>Polymer</i> , 2000 , 41, 3499-3505	3.9	33
5	Synthesis of Poly(3-hydroxybutyrate) by <i>Ralstonia eutropha</i> in the Presence of ¹³ C-Labeled Ethylene Glycol. <i>Macromolecules</i> , 2000 , 33, 6624-6626	5.5	6
4	Synthesis and Properties of Hydroxy-Terminated Poly(hydroxyalkanoate)s. <i>Macromolecules</i> , 2000 , 33, 2875-2880	5.5	24

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| 3 | Chain termination in polyhydroxyalkanoate synthesis: involvement of exogenous hydroxy-compounds as chain transfer agents. <i>International Journal of Biological Macromolecules</i> , 1999 , 25, 43-53 | 7.9 | 119 |
| 2 | Synthesis and Characterization of Poly(3-hydroxybutyrate) and Poly(3-hydroxybutyrate-co-3-hydroxyvalerate) Polymer Mixtures Produced in High-Density Fed-Batch Cultures of <i>Ralstonia eutropha</i> (<i>Alcaligenes eutrophus</i>). <i>Macromolecules</i> , 1998 , 31, 5660-5667 | 5.5 | 35 |
| 1 | Cytotoxic T-cell immunity against telomerase reverse transcriptase in colorectal cancer patients. <i>Oncology Reports</i> , | 3.5 | 2 |