

Leigh A Madden

List of Publications by Citations

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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	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
91	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
90	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
89	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
88	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
87	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
86	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
85	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
84	Viability of plant spore exine capsules for microencapsulation. <i>Journal of Materials Chemistry</i> , 2011 , 21, 975-981		65
83	Inducible heat shock protein 70 and its role in preconditioning and exercise. <i>Amino Acids</i> , 2008 , 34, 511-63.5		60
82	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
81	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
80	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
79	Th1/Th2 cytokine imbalance in meningioma, anaplastic astrocytoma and glioblastoma multiforme patients. <i>Oncology Reports</i> , 2006 , 15, 1513-6	3.5	41
78	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
77	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
76	Tumour and microparticle tissue factor expression and cancer thrombosis. <i>Thrombosis Research</i> , 2013 , 131, 109-15	8.2	37

75	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
74	Fluorescent CXCR4 chemokine receptor antagonists: metal activated binding. <i>Chemical Communications</i> , 2007 , 416-8	5.8	37
73	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
72	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
71	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
70	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
69	Hyperbaric oxygen: a new drug in myocardial revascularization and protection?. <i>Cardiovascular Revascularization Medicine</i> , 2006 , 7, 146-54	1.6	34
68	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
67	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
66	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
65	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
64	Daily hypoxia increases basal monocyte HSP72 expression in healthy human subjects. <i>Amino Acids</i> , 2011 , 40, 393-401	3.5	31
63	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
62	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
61	Cancer bioimprinting and cell shape recognition for diagnosis and targeted treatment. <i>Chemical Society Reviews</i> , 2017 , 46, 5110-5127	58.5	25
60	Tissue factor expression determines tumour cell coagulation kinetics. <i>International Journal of Laboratory Hematology</i> , 2012 , 34, 396-402	2.5	24
59	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
58	Synthesis and Properties of Hydroxy-Terminated Poly(hydroxyalkanoate)s. <i>Macromolecules</i> , 2000 , 33, 2875-2880	5.5	24

57	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
56	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
55	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
54	Daily quadratic trend in basal monocyte expressed HSP72 in healthy human subjects. <i>Amino Acids</i> , 2010 , 38, 1483-8	3.5	18
53	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
52	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
51	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
50	Duramycin exhibits antiproliferative properties and induces apoptosis in tumour cells. <i>Blood Coagulation and Fibrinolysis</i> , 2012 , 23, 396-401	1	17
49	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
48	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
47	Cytotoxic T-cell immunity against telomerase reverse transcriptase in colorectal cancer patients. <i>Oncology Reports</i> , 2004 , 12, 871-6	3.5	12
46	Advanced biomedical applications based on emerging 3D cell culturing platforms. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 10487-10501	7.3	11
45	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
44	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
43	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
42	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
41	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
40	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

39	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
38	Duramycin-induced calcium release in cancer cells. <i>Anti-Cancer Drugs</i> , 2016 , 27, 173-82	2.4	9
37	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
36	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
35	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
34	Acute antioxidant pre-treatment attenuates endothelial microparticle release after decompression. <i>Diving and Hyperbaric Medicine</i> , 2010 , 40, 184-8	1	8
33	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
32	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
31	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
30	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
29	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
28	Effects of active and passive hyperthermia on heat shock protein 70 (HSP70). <i>Amino Acids</i> , 2008 , 34, 203-14	3.1	6
27	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
26	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
25	Novel CD43 specific phage antibodies react with early stage colorectal tumours. <i>Oncology Reports</i> , 2004 , 11, 327-31	3.5	6
24	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
23	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
22	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	1	4

21	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
20	Procoagulant tumor microvesicles attach to endothelial cells on biochips under microfluidic flow. <i>Biomicrofluidics</i> , 2019 , 13, 064124	3.2	4
19	Identification of methicillin-resistant <i>Staphylococcus aureus</i> -specific peptides for targeted photoantimicrobial chemotherapy. <i>Photochemical and Photobiological Sciences</i> , 2011 , 10, 515-22	4.2	3
18	The Hemostasis Apparatus in Pancreatic Cancer and Its Importance beyond Thrombosis. <i>Cancers</i> , 2011 , 3, 267-84	6.6	3
17	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
16	Isolated tumour microparticles induce endothelial microparticle release in vitro. <i>Blood Coagulation and Fibrinolysis</i> , 2020 , 31, 35-42	1	2
15	Chemotherapy treatment of multiple myeloma patients increases circulating levels of endothelial microvesicles. <i>Thrombosis Research</i> , 2016 , 146, 20-22	8.2	2
14	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
13	Cytotoxic T-cell immunity against telomerase reverse transcriptase in colorectal cancer patients. <i>Oncology Reports</i> ,	3.5	2
12	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
11	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
10	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
9	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
8	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
7	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
6	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
5	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
4	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

- 3 Bioimprint Mediated Label-Free Isolation of Pancreatic Tumor Cells from a Healthy Peripheral Blood Cell Population. *Advanced Biology*, **2020**, 4, e2000054 3.5
- 2 Doxorubicin Enhances Procoagulant Activity of Endothelial Cells after Exposure to Tumour Microparticles on Microfluidic Devices. *Hemato*, **2020**, 1, 23-34 0.2
- 1 Recent Advancements in Hematology: Knowledge, Methods and Dissemination, Part 2. *Hemato*, **2021**, 2, 79-88 0.2