

Leigh A Madden

List of Publications by Year in descending order

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98
papers

2,725
citations

136885

32
h-index

197736

49
g-index

100
all docs

100
docs citations

100
times ranked

4511
citing authors

#	ARTICLE	IF	CITATIONS
1	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, 2571-2574.	1.9	305
2	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.	3.6	128
3	The development and characterisation of porphyrin isothiocyanate-monoclonal antibody conjugates for photoimmunotherapy. <i>British Journal of Cancer</i> , 2005, 92, 1442-1449.	2.9	110
4	Photothermal Colloid Antibodies for Shape-Selective Recognition and Killing of Microorganisms. <i>Journal of the American Chemical Society</i> , 2013, 135, 5282-5285.	6.6	104
5	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.	1.9	101
6	Binding Optimization through Coordination Chemistry: CXCR4 Chemokine Receptor Antagonists from Ultrarigid Metal Complexes. <i>Journal of the American Chemical Society</i> , 2009, 131, 3416-3417.	6.6	82
7	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, 1240-1248.	3.1	80
8	Viability of plant spore exine capsules for microencapsulation. <i>Journal of Materials Chemistry</i> , 2011, 21, 975-981.	6.7	79
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, 1623-1630.	0.4	72
10	Inducible heat shock protein 70 and its role in preconditioning and exercise. <i>Amino Acids</i> , 2008, 34, 511-516.	1.2	68
11	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.	1.0	64
12	Release of VCAM-1 associated endothelial microparticles following simulated SCUBA dives. <i>European Journal of Applied Physiology</i> , 2009, 105, 507-513.	1.2	51
13	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, 478-483.	1.2	48
14	Endothelial Function and Stress Response After Simulated Dives to 18 msw Breathing Air or Oxygen. <i>Aviation, Space, and Environmental Medicine</i> , 2010, 81, 41-45.	0.6	47
15	Th1/Th2 cytokine imbalance in meningioma, anaplastic astrocytoma and glioblastoma multiforme patients. <i>Oncology Reports</i> , 2006, 15, 1513-6.	1.2	46
16	The effect of 15 consecutive days of heat-exercise acclimation on heat shock protein 70. <i>Cell Stress and Chaperones</i> , 2008, 13, 169-175.	1.2	43
17	Tumour and microparticle tissue factor expression and cancer thrombosis. <i>Thrombosis Research</i> , 2013, 131, 109-115.	0.8	43
18	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.	1.9	42

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19	Gas bubbles may not be the underlying cause of decompression illness – The at-depth endothelial dysfunction hypothesis. <i>Medical Hypotheses</i> , 2009, 72, 389-392.	0.8	42
20	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.	1.0	41
21	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.	2.2	40
22	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, 415-423.	0.9	40
23	Fluorescent CXCR4 chemokine receptor antagonists: metal activated binding. <i>Chemical Communications</i> , 2007, , 416-418.	2.2	39
24	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, 322-329.	0.4	39
25	Hyperbaric oxygen: a new drug in myocardial revascularization and protection?. <i>Cardiovascular Revascularization Medicine</i> , 2006, 7, 146-154.	0.3	38
26	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.	1.0	37
27	Microparticle-associated vascular adhesion molecule-1 and tissue factor follow a circadian rhythm in healthy human subjects. <i>Thrombosis and Haemostasis</i> , 2008, 99, 909-915.	1.8	36
28	Variation in basal heat shock protein 70 is correlated to core temperature in human subjects. <i>Amino Acids</i> , 2009, 37, 279-284.	1.2	36
29	Pancreatic cancer cell and microparticle procoagulant surface characterization. <i>Blood Coagulation and Fibrinolysis</i> , 2011, 22, 680-687.	0.5	36
30	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.	1.8	35
31	Daily hypoxia increases basal monocyte HSP72 expression in healthy human subjects. <i>Amino Acids</i> , 2011, 40, 393-401.	1.2	33
32	Cancer bioimprinting and cell shape recognition for diagnosis and targeted treatment. <i>Chemical Society Reviews</i> , 2017, 46, 5110-5127.	18.7	32
33	Anti-p53 autoantibody in colorectal cancer: prognostic significance in long-term follow-up. <i>International Journal of Colorectal Disease</i> , 2008, 23, 595-600.	1.0	31
34	Advanced biomedical applications based on emerging 3D cell culturing platforms. <i>Journal of Materials Chemistry B</i> , 2020, 8, 10487-10501.	2.9	29
35	Tissue factor expression determines tumour cell coagulation kinetics. <i>International Journal of Laboratory Hematology</i> , 2012, 34, 396-402.	0.7	28
36	Synthesis and Properties of Hydroxy-Terminated Poly(hydroxyalkanoate)s. <i>Macromolecules</i> , 2000, 33, 2875-2880.	2.2	27

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37	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.	2.2	27
38	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, 849-855.	1.2	26
39	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, 435-440.	0.6	23
40	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.	1.1	23
41	The time-profile of the PBMC HSP70 response to in vitro heat shock appears temperature-dependent. <i>Amino Acids</i> , 2007, 33, 137-144.	1.2	22
42	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, 452-458.	0.5	22
43	Duramycin exhibits antiproliferative properties and induces apoptosis in tumour cells. <i>Blood Coagulation and Fibrinolysis</i> , 2012, 23, 396-401.	0.5	20
44	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, 269-274.	1.0	19
45	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, 1423-1428.	1.2	19
46	Daily quadratic trend in basal monocyte expressed HSP72 in healthy human subjects. <i>Amino Acids</i> , 2010, 38, 1483-1488.	1.2	18
47	Duramycin-induced calcium release in cancer cells. <i>Anti-Cancer Drugs</i> , 2016, 27, 173-182.	0.7	18
48	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.	4.0	17
49	Fabrication of Human Keratinocyte Cell Clusters for Skin Graft Applications by Templating Water-in-Water Pickering Emulsions. <i>Biomimetics</i> , 2019, 4, 50.	1.5	15
50	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.	1.0	15
51	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.	0.8	15
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, 450-454.	0.6	14
53	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.	1.0	14
54	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, 993-999.	0.7	13

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55	The test-retest reliability of four functional mobility tests in apparently healthy adults. <i>Isokinetics and Exercise Science</i> , 2016, 24, 171-179.	0.2	13
56	Circulating Endothelial Microparticles Reduce in Concentration Following an Exercise Programme in Women With Polycystic Ovary Syndrome. <i>Frontiers in Endocrinology</i> , 2019, 10, 200.	1.5	13
57	Cytotoxic T-cell immunity against telomerase reverse transcriptase in colorectal cancer patients. <i>Oncology Reports</i> , 2004, 12, 871-6.	1.2	13
58	Duramycin-porphyrin conjugates for targeting of tumour cells using photodynamic therapy. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 163, 374-384.	1.7	11
59	Effects of active and passive hyperthermia on heat shock protein 70 (HSP70). <i>Amino Acids</i> , 2008, 34, 203-211.	1.2	10
60	The physiological stress response to high-intensity sprint exercise following the ingestion of sodium bicarbonate. <i>European Journal of Applied Physiology</i> , 2013, 113, 127-134.	1.2	10
61	Repeated supra-maximal sprint cycling with and without sodium bicarbonate supplementation induces endothelial microparticle release. <i>European Journal of Sport Science</i> , 2014, 14, 345-352.	1.4	10
62	Cancer microvesicles induce tissue factor-related procoagulant activity in endothelial cells in vitro. <i>Blood Coagulation and Fibrinolysis</i> , 2017, 28, 365-372.	0.5	10
63	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, 339-343.	1.2	9
64	Enhanced clearing of <i>Candida</i> biofilms on a 3D urothelial cell <i>in vitro</i> model using lysozyme-functionalized fluconazole-loaded shellac nanoparticles. <i>Biomaterials Science</i> , 2021, 9, 6927-6939.	2.6	9
65	Procoagulant tumor microvesicles attach to endothelial cells on biochips under microfluidic flow. <i>Biomicrofluidics</i> , 2019, 13, 064124.	1.2	8
66	Acute antioxidant pre-treatment attenuates endothelial microparticle release after decompression. <i>Diving and Hyperbaric Medicine</i> , 2010, 40, 184-8.	0.2	8
67	Synthesis of Poly(3-hydroxybutyrate) by <i>Ralstonia eutrophans</i> in the Presence of ¹³ C-Labeled Ethylene Glycol. <i>Macromolecules</i> , 2000, 33, 6624-6626.	2.2	7
68	The effect of acute hyperoxia in vivo on NF kappa B expression in human PBMC. <i>Cell Biochemistry and Function</i> , 2011, 29, 71-73.	1.4	7
69	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, 903-910.	1.2	7
70	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.	0.5	7
71	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.	2.9	7
72	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.	0.7	7

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73	Novel CD43 specific phage antibodies react with early stage colorectal tumours. <i>Oncology Reports</i> , 2004, 11, 327-31.	1.2	7
74	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, 479-487.	0.8	6
75	High-throughput fabrication of hepatic cell clusteroids with enhanced growth and functionality for tissue engineering applications. <i>Materials Advances</i> , 2020, 1, 3022-3032.	2.6	6
76	Cytotoxic T-cell immunity against telomerase reverse transcriptase in colorectal cancer patients. <i>Oncology Reports</i> , 0, , .	1.2	6
77	The Hemostasis Apparatus in Pancreatic Cancer and Its Importance beyond Thrombosis. <i>Cancers</i> , 2011, 3, 267-284.	1.7	4
78	Identification of methicillin-resistant <i>Staphylococcus aureus</i> -specific peptides for targeted photoantimicrobial chemotherapy. <i>Photochemical and Photobiological Sciences</i> , 2011, 10, 515-522.	1.6	3
79	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, 380-386.	0.6	3
80	Fibrinolytic effects of peroneal nerve stimulation in patients with lower limb vascular disease. <i>Blood Coagulation and Fibrinolysis</i> , 2016, 27, 275-280.	0.5	3
81	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.	1.2	3
82	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.	0.5	3
83	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.	3.2	3
84	Chemotherapy treatment of multiple myeloma patients increases circulating levels of endothelial microvesicles. <i>Thrombosis Research</i> , 2016, 146, 20-22.	0.8	2
85	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.	1.5	2
86	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.	1.1	2
87	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.	1.2	2
88	Isolated tumour microparticles induce endothelial microparticle release in vitro. <i>Blood Coagulation and Fibrinolysis</i> , 2020, 31, 35-42.	0.5	2
89	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.	2.3	2
90	Novel CD43 specific phage antibodies react with early stage colorectal tumours. <i>Oncology Reports</i> , 0, , .	1.2	2

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91	Bioimprint Mediated Label-Free Isolation of Pancreatic Tumor Cells from a Healthy Peripheral Blood Cell Population. <i>Advanced Biology</i> , 2020, 4, 2000054.	3.0	1
92	Towards the use of sporopollenin in drug delivery: Efficient encapsulation of oligonucleotides. , 2005, , .		1
93	Vascularized Co-Culture Clusteroids of Primary Endothelial and Hep-G2 Cells Based on Aqueous Two-Phase Pickering Emulsions. <i>Bioengineering</i> , 2022, 9, 126.	1.6	1
94	The Effect Of Acute Hypoxia On Heat Shock Protein 72 Expression And Oxidative Stress In Vivo. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 466.	0.2	0
95	Doxorubicin Enhances Procoagulant Activity of Endothelial Cells after Exposure to Tumour Microparticles on Microfluidic Devices. <i>Hemato</i> , 2020, 1, 23-34.	0.2	0
96	Recent Advancements in Hematology: Knowledge, Methods and Dissemination, Part 2. <i>Hemato</i> , 2021, 2, 79-88.	0.2	0
97	Microparticle profile in patients with type 2 diabetes. <i>Endocrine Abstracts</i> , 0, , .	0.0	0
98	Fabrication of Angiogenic Sprouting Coculture of Cell Clusteroids Using an Aqueous Two-Phase Pickering Emulsion System. <i>ACS Applied Bio Materials</i> , 2022, 5, 1804-1816.	2.3	0