

M Leigh Ackland

List of Publications by Year in descending order

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107
papers

4,930
citations

101543

36
h-index

98798

67
g-index

111
all docs

111
docs citations

111
times ranked

6939
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome Sequence of <i>Lelliottia</i> sp. Strain WAP21, Isolated from Soil in Canola Fields in Victoria, Australia. <i>Microbiology Resource Announcements</i> , 2022, 11, e0101821.	0.6	1
2	Review of the structures and functions of algal photoreceptors to optimize bioproduct production with novel bioreactor designs for strain improvement. <i>Biotechnology and Bioengineering</i> , 2022, 119, 2031-2045.	3.3	5
3	mRNA profiling of a well-differentiated G1 pancreatic NET correlates with immunohistochemistry profile: a case report. <i>BMC Gastroenterology</i> , 2021, 21, 194.	2.0	1
4	Chromium tolerance and accumulation in <i>Aspergillus flavus</i> isolated from tannery effluent. <i>Journal of Basic Microbiology</i> , 2020, 60, 58-71.	3.3	11
5	Critical effects of polar fluorescent probes on the interaction of DHA with POPC supported lipid bilayers. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018, 1860, 1135-1142.	2.6	8
6	Transient epigenomic changes during pregnancy and early postpartum in women with and without type 2 diabetes. <i>Epigenomics</i> , 2018, 10, 419-431.	2.1	7
7	Identifying Epithelial Endocytotic Mechanisms of the Peanut Allergens Ara h 1 and Ara h 2. <i>International Archives of Allergy and Immunology</i> , 2017, 172, 106-115.	2.1	13
8	Peroxide reduction by a metal-dependent catalase in <i>Nostoc punctiforme</i> (cyanobacteria). <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 3781-3800.	3.6	6
9	Selective Metal Ion Homeostasis in Cyanobacteria. , 2017, , 219-232.		1
10	Mechanism of Docosahexaenoic Acid in the Enhancement of Neuronal Signalling. <i>Series in Bioengineering</i> , 2017, , 99-117.	0.6	2
11	Probing <i>Synechocystis</i> -Arsenic Interactions through Extracellular Nanowires. <i>Frontiers in Microbiology</i> , 2016, 7, 1134.	3.5	16
12	Real-Time Quartz Crystal Microbalance Monitoring of Free Docosahexaenoic Acid Interactions with Supported Lipid Bilayers. <i>Langmuir</i> , 2016, 32, 11717-11727.	3.5	18
13	Ceruloplasmin is regulated by copper and lactational hormones in PMC42-LA mammary epithelial cell culture models. <i>Metallomics</i> , 2016, 8, 941-950.	2.4	5
14	Zinc and infant nutrition. <i>Archives of Biochemistry and Biophysics</i> , 2016, 611, 51-57.	3.0	87
15	Epigenetic Markers to Predict Conversion From Gestational Diabetes to Type 2 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 101, 2396-2404.	3.6	24
16	Identification and topographical characterisation of microbial nanowires in <i>Nostoc punctiforme</i> . <i>Antonie Van Leeuwenhoek</i> , 2016, 109, 475-480.	1.7	10
17	Microbial nanowires: an electrifying tale. <i>Microbiology (United Kingdom)</i> , 2016, 162, 2017-2028.	1.8	78
18	Inquisition of <i>Microcystis aeruginosa</i> and <i>Synechocystis</i> nanowires: characterization and modelling. <i>Antonie Van Leeuwenhoek</i> , 2015, 108, 1213-1225.	1.7	32

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19	Characterization of two cation diffusion facilitators NpunF0707 and NpunF1794 in <i>Nostoc punctiforme</i> . <i>Journal of Applied Microbiology</i> , 2015, 119, 1357-1370.	3.1	3
20	Altered expression of two zinc transporters, SLC30A5 and SLC30A6, underlies a mammary gland disorder of reduced zinc secretion into milk. <i>Genes and Nutrition</i> , 2015, 10, 487.	2.5	14
21	Lubricin: A versatile, biological anti-adhesive with properties comparable to polyethylene glycol. <i>Biomaterials</i> , 2015, 53, 127-136.	11.4	81
22	The ZntA-like NpunR4017 plays a key role in maintaining homeostatic levels of zinc in <i>Nostoc punctiforme</i> . <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 10559-10574.	3.6	5
23	Metals in Host-Microbe Interaction. , 2015, , 199-226.		2
24	Zinc and Zinc Transporters in Macrophages and Their Roles in Efferocytosis in COPD. <i>PLoS ONE</i> , 2014, 9, e110056.	2.5	54
25	Comparative analyses of cadmium and zinc uptake correlated with changes in natural resistance-associated macrophage protein (NRAMP) expression in <i>Solanum nigrum</i> L. and <i>Brassica rapa</i> . <i>Environmental Chemistry</i> , 2014, 11, 653.	1.5	34
26	Peanut Allergens Alter Intestinal Barrier Permeability and Tight Junction Localisation in Caco-2 Cell Cultures. <i>Cellular Physiology and Biochemistry</i> , 2014, 33, 1758-1777.	1.6	42
27	Effect Of Peanut Allergens On Intestinal Barrier Permeability and Tight Junction Localisation In Caco-2 Cell Cultures. <i>Journal of Allergy and Clinical Immunology</i> , 2014, 133, AB224.	2.9	0
28	Effects of ATP7A overexpression in mice on copper transport and metabolism in lactation and gestation. <i>Physiological Reports</i> , 2014, 2, e00195.	1.7	9
29	Copper and lactational hormones influence the CTR1 copper transporter in PMC42-LA mammary epithelial cell culture models. <i>Journal of Nutritional Biochemistry</i> , 2014, 25, 377-387.	4.2	14
30	hZip1 (hSLC39A1) regulates zinc homeostasis in gut epithelial cells. <i>Genes and Nutrition</i> , 2013, 8, 475-486.	2.5	18
31	Functional characterization of the twin ZIP/SLC39 metal transporters, NpunF3111 and NpunF2202 in <i>Nostoc punctiforme</i> . <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 8649-8662.	3.6	12
32	Composition, sources, and potential toxicology of polycyclic aromatic hydrocarbons (PAHs) in agricultural soils in Liaoning, People's Republic of China. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 2231-2241.	2.7	20
33	Molecular and cellular characterisation of the zinc uptake (Znu) system of <i>Nostoc punctiforme</i> . <i>FEMS Microbiology Ecology</i> , 2013, 86, 149-171.	2.7	14
34	A mechanism for epithelial-mesenchymal transition and anoikis resistance in breast cancer triggered by zinc channel ZIP6 and STAT3 (signal transducer and activator of transcription 3). <i>Biochemical Journal</i> , 2013, 455, 229-237.	3.7	102
35	Nuts' guts: transport of food allergens across the intestinal epithelium. <i>Asia Pacific Allergy</i> , 2013, 3, 257-265.	1.3	23
36	Copper Levels in Buccal Cells of Vineyard Workers Engaged in Various Activities. <i>Annals of Occupational Hygiene</i> , 2012, 56, 305-14.	1.9	8

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37	Effects of Zinc and DHA on the Epigenetic Regulation of Human Neuronal Cells. <i>Cellular Physiology and Biochemistry</i> , 2012, 29, 87-98.	1.6	45
38	Physiological metal uptake by <i>Nostoc punctiforme</i> . <i>BioMetals</i> , 2012, 25, 893-903.	4.1	24
39	Biochemical Responses of Earthworm <i>Eisenia fetida</i> Exposed to Cadmium-Contaminated Soil with Long Duration. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2012, 89, 1148-1153.	2.7	22
40	Contribution of Fibroblast and Mast Cell (Afferent) and Tumor (Efferent) IL-6 Effects within the Tumor Microenvironment. <i>Cancer Microenvironment</i> , 2012, 5, 83-93.	3.1	59
41	Lack of ceruloplasmin expression alters aspects of copper transport to the fetus and newborn, as determined in mice. <i>BioMetals</i> , 2012, 25, 373-382.	4.1	17
42	Tissue Nonspecific Alkaline Phosphatase Is Activated via a Two-step Mechanism by Zinc Transport Complexes in the Early Secretory Pathway. <i>Journal of Biological Chemistry</i> , 2011, 286, 16363-16373.	3.4	60
43	Defining the E-Cadherin Repressor Interactome in Epithelial-Mesenchymal Transition: The PMC42 Model as a Case Study. <i>Cells Tissues Organs</i> , 2011, 193, 23-40.	2.3	72
44	Apical Localization of Zinc Transporter ZnT4 in Human Airway Epithelial Cells and Its Loss in a Murine Model of Allergic Airway Inflammation. <i>Nutrients</i> , 2011, 3, 910-928.	4.1	20
45	Differential intracellular localisation of the Menkes and Wilson copper transporting ATPases in the third trimester human placenta. <i>Placenta</i> , 2011, 32, 79-85.	1.5	15
46	Strategies for enhancing the phytoremediation of cadmium-contaminated agricultural soils by <i>Solanum nigrum</i> L. <i>Environmental Pollution</i> , 2011, 159, 762-768.	7.5	141
47	Dietary zinc mediates inflammation and protects against wasting and metabolic derangement caused by sustained cigarette smoke exposure in mice. <i>BioMetals</i> , 2011, 24, 23-39.	4.1	18
48	Zinc and DHA have opposing effects on the expression levels of histones H3 and H4 in human neuronal cells. <i>British Journal of Nutrition</i> , 2010, 103, 344-351.	2.3	16
49	The omega-3 fatty acid, DHA, decreases neuronal cell death in association with altered zinc transport. <i>FEBS Letters</i> , 2010, 584, 612-618.	2.8	27
50	Mammalian copper-transporting P-type ATPases, ATP7A and ATP7B: Emerging roles. <i>International Journal of Biochemistry and Cell Biology</i> , 2010, 42, 206-209.	2.8	67
51	The 10-fold increase in basal copper uptake by mammary gland in lactation is not induced by lactational hormones. <i>FASEB Journal</i> , 2010, 24, 719.3.	0.5	0
52	Excess ATP7A reduces the copper content of the mammary gland in pregnancy and lactation but does not alter levels of plasma ceruloplasmin. <i>FASEB Journal</i> , 2010, 24, 719.4.	0.5	0
53	Bioinformatic and Expression Analyses of Genes Mediating Zinc Homeostasis in <i>Nostoc punctiforme</i> . <i>Applied and Environmental Microbiology</i> , 2009, 75, 784-791.	3.1	31
54	Nutritional and Functional Status Indicators in Residents of a Long-Term Care Facility. <i>Journal of Nutrition in Gerontology and Geriatrics</i> , 2009, 28, 47-60.	1.0	23

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55	Multicellular spheroids in ovarian cancer metastases: Biology and pathology. <i>Gynecologic Oncology</i> , 2009, 113, 143-148.	1.4	336
56	Multivitamin supplementation improves nutritional status and bone quality in aged care residents. <i>European Journal of Clinical Nutrition</i> , 2009, 63, 558-565.	2.9	31
57	Cross talk of signals between EGFR and IL-6R through JAK2/STAT3 mediate epithelial to mesenchymal transition in ovarian carcinomas. <i>British Journal of Cancer</i> , 2009, 100, 134-144.	6.4	272
58	Epidermal growth factor-induced ovarian carcinoma cell migration is associated with JAK2/STAT3 signals and changes in the abundance and localization of $\alpha 2 \beta 1$ integrin. <i>International Journal of Biochemistry and Cell Biology</i> , 2009, 41, 1034-1045.	2.8	47
59	Annetocin and TCTP expressions in the earthworm <i>Eisenia fetida</i> exposed to PAHs in artificial soil. <i>Ecotoxicology and Environmental Safety</i> , 2008, 71, 566-573.	6.0	48
60	Copper transport during lactation in transgenic mice expressing the human ATP7A protein. <i>Biochemical and Biophysical Research Communications</i> , 2008, 372, 613-617.	2.1	19
61	ATP7B Expression in Human Breast Epithelial Cells Is Mediated by Lactational Hormones. <i>Journal of Histochemistry and Cytochemistry</i> , 2008, 56, 389-399.	2.5	41
62	Intracellular zinc homeostasis in leukocyte subsets is regulated by different expression of zinc exporters ZnT-1 to ZnT-9. <i>Journal of Leukocyte Biology</i> , 2008, 83, 368-380.	3.3	101
63	Copper is taken up efficiently from albumin and $\alpha 2 \beta 1$ -macroglobulin by cultured human cells by more than one mechanism. <i>American Journal of Physiology - Cell Physiology</i> , 2008, 295, C708-C721.	4.6	86
64	Copper is taken up efficiently from albumin and $\alpha 2 \beta 1$ -macroglobulin by cultured human cells by more than one mechanism. <i>FASEB Journal</i> , 2008, 22, 443.3.	0.5	0
65	Lactational hormones increase expression of milk proteins but do not enhance uptake of copper by mammary epithelial cells. <i>FASEB Journal</i> , 2008, 22, 1192.1.	0.5	0
66	Copper secretion from human breast epithelial cells is mediated by ATP7B and lactational hormones. <i>FASEB Journal</i> , 2008, 22, 443.6.	0.5	0
67	DMT1 is not involved in uptake of copper from the blood plasma by hepatic and mammary epithelial cells. <i>FASEB Journal</i> , 2008, 22, 692.9.	0.5	0
68	Abstract CN12-03: Epithelial-mesenchymal transition in human breast cancer progression: cancer stem cell attributes, dissemination, and dormancy. , 2008, , .		0
69	$\alpha 2 \beta 1$ integrin affects metastatic potential of ovarian carcinoma spheroids by supporting disaggregation and proteolysis. <i>Journal of Carcinogenesis</i> , 2007, 6, 11.	2.5	103
70	Hormonal regulation of the Menkes and Wilson copper-transporting ATPases in human placental Jeg-3 cells. <i>Biochemical Journal</i> , 2007, 402, 241-250.	3.7	56
71	Induction of epithelial to mesenchymal transition in PMC42-LA human breast carcinoma cells by carcinoma-associated fibroblast secreted factors. <i>Breast Cancer Research</i> , 2007, 9, R19.	5.0	80
72	Genotoxicity assessment of soils from wastewater irrigation areas and bioremediation sites using the <i>Vicia faba</i> root tip micronucleus assay. <i>Journal of Environmental Monitoring</i> , 2007, 9, 182-186.	2.1	15

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73	Distinct Functional Roles for the Menkes and Wilson Copper Translocating P-type ATPases in Human Placental Cells. <i>Cellular Physiology and Biochemistry</i> , 2007, 20, 1073-1084.	1.6	45
74	Epithelialâ€”mesenchymal and mesenchymalâ€”epithelial transitions in carcinoma progression. <i>Journal of Cellular Physiology</i> , 2007, 213, 374-383.	4.1	957
75	Diesel exhaust particulate matter induces multinucleate cells and zinc transporterâ€”dependent apoptosis in human airway cells. <i>Immunology and Cell Biology</i> , 2007, 85, 617-622.	2.3	28
76	Anthropometric and biochemical markers for nutritional risk among residents within an Australian residential care facility. <i>Asia Pacific Journal of Clinical Nutrition</i> , 2007, 16, 178-86.	0.4	28
77	MYOEPITHELIAL MOLECULAR MARKERS IN HUMAN BREAST CARCINOMA PMC42-LA CELLS ARE INDUCED BY EXTRACELLULAR MATRIX AND STROMAL CELLS. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2006, 42, 298-307.	1.5	7
78	Apoptosis may underlie the pathology of zincâ€”deficient skin. <i>Immunology and Cell Biology</i> , 2006, 84, 28-37.	2.3	36
79	Zinc deficiency and its inherited disorders -a review. <i>Genes and Nutrition</i> , 2006, 1, 41-49.	2.5	97
80	Expression, Localisation and Hormone Regulation of the Human Copper Transporter hCTR1 in Placenta and Choriocarcinoma Jeg-3 Cells. <i>Placenta</i> , 2006, 27, 968-977.	1.5	29
81	Perinatal Δ -3 polyunsaturated fatty acid supply modifies brain zinc homeostasis during adulthood. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 7133-7138.	7.1	37
82	Synergistic antiproliferative action of the flavonols quercetin and kaempferol in cultured human cancer cell lines. <i>In Vivo</i> , 2005, 19, 69-76.	1.3	71
83	Fresh and cultured buccal cells as a source of mRNA and protein for molecular analysis. <i>BioTechniques</i> , 2004, 37, 262-269.	1.8	25
84	Expression and Localization of Menkes and Wilson Copper Transporting ATPases in Human Placenta. <i>Placenta</i> , 2004, 25, 512-517.	1.5	41
85	Analysis of zinc transporter, hZnT4 (Slc30A4), gene expression in a mammary gland disorder leading to reduced zinc secretion into milk. <i>Human Genetics</i> , 2003, 113, 202-210.	3.8	51
86	Epidermal Growth Factor-Induced Epithelio-Mesenchymal Transition in Human Breast Carcinoma Cells. <i>Laboratory Investigation</i> , 2003, 83, 435-448.	3.7	126
87	EXTRACELLULAR MATRIX INDUCES FORMATION OF ORGANOID AND CHANGES IN CELL SURFACE MORPHOLOGY IN CULTURED HUMAN BREAST CARCINOMA CELLS PMC42-LA. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2003, 39, 428.	1.5	11
88	Constitutive expression of hZnT4 zinc transporter in human breast epithelial cells. <i>Biochemical Journal</i> , 2002, 364, 105-113.	3.7	67
89	PMC42, A Novel Model for the Differentiated Human Breast. <i>Experimental Cell Research</i> , 2001, 263, 14-22.	2.6	38
90	Lactation affects expression of intermediate filaments in human breast epithelium. <i>Differentiation</i> , 2001, 67, 41-49.	1.9	11

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91	Defective localization of the Wilson disease protein (ATP7B) in the mammary gland of the toxic milk mouse and the effects of copper supplementation. <i>Biochemical Journal</i> , 2000, 352, 565.	3.7	22
92	Zinc intake and status in Australian vegetarians. <i>British Journal of Nutrition</i> , 2000, 83, 27-33.	2.3	42
93	Metallothionein isoform expression by breast cancer cells. <i>International Journal of Biochemistry and Cell Biology</i> , 2000, 32, 895-903.	2.8	23
94	Defective localization of the Wilson disease protein (ATP7B) in the mammary gland of the toxic milk mouse and the effects of copper supplementation. <i>Biochemical Journal</i> , 2000, 352, 565-571.	3.7	52
95	Expression of Menkes Copper-transporting ATPase, MNK, in the Lactating Human Breast: Possible Role in Copper Transport into Milk. <i>Journal of Histochemistry and Cytochemistry</i> , 1999, 47, 1553-1561.	2.5	33
96	Toxoplasma gondii antibody in domestic cats in Melbourne. <i>Australian Veterinary Journal</i> , 1999, 77, 447-449.	1.1	24
97	Expression of Menkes disease gene in mammary carcinoma cells. <i>Biochemical Journal</i> , 1997, 328, 237-243.	3.7	37
98	Cation-dependent uptake of zinc in human fibroblasts. <i>BioMetals</i> , 1996, 9, 29-37.	4.1	20
99	The Murine Mutation, Lethal Milk, Results in Production of Zinc-Deficient Milk. <i>Journal of Nutrition</i> , 1992, 122, 1214-1218.	2.9	44
100	Significance of extracellular zinc-binding ligands in the uptake of zinc by human fibroblasts. <i>Journal of Cellular Physiology</i> , 1990, 145, 409-413.	4.1	31
101	Zinc transport by fibroblasts from patients with acrodermatitis enteropathica. <i>Biological Trace Element Research</i> , 1989, 22, 257-263.	3.5	7
102	The effect of tetrathiomolybdate on the metabolism of copper by hepatocytes and fibroblasts. <i>Biological Trace Element Research</i> , 1989, 22, 179-188.	3.5	5
103	Studies on the mechanism of zinc uptake by human fibroblasts. <i>Journal of Cellular Physiology</i> , 1988, 135, 521-526.	4.1	30
104	Studies of Developing Human Hair Shaft Cells In Vitro. <i>Journal of Investigative Dermatology</i> , 1988, 90, 58-64.	0.7	22
105	Albumin has no role in the uptake of copper by human fibroblasts. <i>Journal of Inorganic Biochemistry</i> , 1987, 31, 123-131.	3.5	24
106	Abnormal copper metabolism in cultured fibroblasts from patients with Wilson's disease. <i>Journal of Inherited Metabolic Disease</i> , 1980, 3, 155-157.	3.6	13
107	Altered copper metabolism in cultured cells from human Menkes' syndrome and mottled mouse mutants. <i>Biochemical Genetics</i> , 1980, 18, 117-131.	1.7	120