Leigh C Ward

List of Publications by Year
in descending order

276 papers	9,042 citations	36299 51 h-index	60616 81 g-index
282 all docs	282 docs citations	282 times ranked	8434 citing authors

#	Article	IF	Citations
1	Quantification of Lean Bodyweight. Clinical Pharmacokinetics, 2005, 44, 1051-1065.	3.5	707
2	High-carbohydrate High-fat Dietâ€“induced Metabolic Syndrome and Cardiovascular Remodeling in Rats. Journal of Cardiovascular Pharmacology, 2011, 57, 51-64.	1.9	348
3	Unproved prediction of extracellular and total body water using impedance loci generated by multiple frequency bioelectrical impedance analysis. Physics in Medicine and Biology, 1993, 38, 337-346.	3.0	196
4	Assessment of Breast Cancer-Related Arm Lymphedemaâ€”Comparison of Physical Measurement Methods and Self-Report. Cancer Investigation, 2010, 28, 54-62.	1.3	188
5	Bioelectrical impedance analysis for body composition assessment: reflections on accuracy, clinical utility, and standardisation. European Journal of Clinical Nutrition, 2019, 73, 194-199.	2.9	188
6	Nutritional rehabilitation in cystic fibrosis: Controlled studies of effects on nutritional growth retardation, body protein turnover, and course of pulmonary disease. Journal of Pediatrics, 1986, 109, 788-794.	1.8	169
7	Lipid redistribution by Î±-linolenic acid-rich chia seed inhibits stearoyl-CoA desaturase-1 and induces cardiac and hepatic protection in diet-induced obese rats. Journal of Nutritional Biochemistry, 2012, 23, 153-162.	4.2	142
8	Ellagic acid attenuates high-carbohydrate, high-fat diet-induced metabolic syndrome in rats. European Journal of Nutrition, 2013, 52, 559-568.	3.9	133
9	Effects of ALA, EPA and DHA in high-carbohydrate, high-fat diet-induced metabolic syndrome in rats. Journal of Nutritional Biochemistry, 2013, 24, 1041-1052.	4.2	131
10	High-carbohydrate, High-fat Dietâ€“induced Metabolic Syndrome and Cardiovascular Remodeling in Rats: Erratum. Journal of Cardiovascular Pharmacology, 2011, 57, 610.	1.9	128
11	Optimizing electrode sites for segmental bioimpedance measurements. Physiological Measurement, 1999, 20, 241-250.	2.1	126
12	Risk factors for lymphoedema in women with breast cancer: A large prospective cohort. Breast, 2016, 28, 29-36.	2.2	121
13	The effect of the dietary supplement, Chitosan, on body weight: a randomised controlled trial in 250 overweight and obese adults. International Journal of Obesity, 2004, 28, 1149-1156.	3.4	118
14	Confirmation of the Reference Impedance Ratios Used for Assessment of Breast Cancer-Related Lymphedema by Bioelectrical Impedance Spectroscopy. Lymphatic Research and Biology, 2011, 9, 47-51.	1.1	112
15	Bioelectrical Impedance Analysis: Proven Utility in Lymphedema Risk Assessment and Therapeutic Monitoring. Lymphatic Research and Biology, 2006, 4, 51-56.	1.1	107
16	Multi-frequency bioelectrical impedance augments the diagnosis and management of lymphoedema in post-mastectomy patients. European Journal of Clinical Investigation, 1992, 22, 751-754.	3.4	103
17	Bioelectrical impedance for monitoring the efficacy of lymphoedema treatment programmes. Breast Cancer Research and Treatment, 1996, 38, 169-176.	2.5	103
18	Upper limb progressive resistance training and stretching exercises following surgery for early breast cancer: a randomized controlled trial. Breast Cancer Research and Treatment, 2012, 133, 667-676.	2.5	95

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19	Postâ€mastectomy lymphoedema treatment and measurement. Medical Journal of Australia, 1994, 161, 125-128.	1.7	94
20	Segmental bioelectrical impedance analysis. Current Opinion in Clinical Nutrition and Metabolic Care, 2012, 15, 424-429.	2.5	92
21	Lymphedema following gynecological cancer: Results from a prospective, longitudinal cohort study on prevalence, incidence and risk factors. Gynecologic Oncology, 2017, 146, 623-629.	1.4	92
22	Chronic care treatment of obese children and adolescents. Pediatric Obesity, 2011, 6, 188-196.	3.2	83
23	Rheological characterisation of food thickeners marketed in Australia in various media for the management of dysphagia. I: Water and cordial. Journal of Food Engineering, 2007, 79, 69-82.	5.2	81
24	Bioimpedance spectrometry in the determination of body water compartments: Accuracy and clinical significance. Applied Radiation and Isotopes, 1998, 49, 447-455.	1.5	79
25	Caffeine attenuates metabolic syndrome in diet-induced obese rats. Nutrition, 2012, 28, 1055-1062.	2.4	75
26	Prediction of fat-free mass and percentage of body fat in neonates using bioelectrical impedance analysis and anthropometric measures: validation against the PEA POD. British Journal of Nutrition, 2012, 107, 1545-1552.	2.3	74
27	Psychosocial benefits of postmastectomy lymphedema therapy. Cancer Nursing, 1995, 18, 197???205.	1.5	73
28	Quantitative bioimpedance spectroscopy for the assessment of lymphoedema. Breast Cancer Research and Treatment, 2009, 117, 541-547.	2.5	73
29	Sources of error in bioimpedance spectroscopy. Physiological Measurement, 1998, 19, 235-245.	2.1	71
30	Segmental measurement of breast cancer-related arm lymphoedema using perometry and bioimpedance spectroscopy. Supportive Care in Cancer, 2011, 19, 703-710.	2.2	65
31	Whole body protein turnover in malnourished cystic fibrosis patients and its relationship to pulmonary disease. American Journal of Clinical Nutrition, 1985, 41, 1061-1066.	4.7	64
32	Bioelectrical impedance analysis to estimate body composition, and change in adiposity, in overweight and obese adolescents: comparison with dual-energy x-ray absorptiometry. BMC Pediatrics, 2014, 14, 249.	1.7	64
33	Diagnosis of upper limb lymphedema: development of an evidence-based approach. Acta OncolÃ³gica, 2016, 55, 1477-1483.	1.8	63
34	Changes in body composition during weight loss in obese subjects in the NUGENOB study: Comparison of bioelectrical impedance vs. dual-energy X-ray absorptiometry. Diabetes and Metabolism, 2011, 37, 222-229.	2.9	62
35	Assessment of limb muscle and adipose tissue by dual-energy X-ray absorptiometry using magnetic resonance imaging for comparison. International Journal of Obesity, 1999, 23, 1295-1302.	3.4	61
36	Anti-inflammatory Î³- and Î´-tocotrienols improve cardiovascular, liver and metabolic function in diet-induced obese rats. European Journal of Nutrition, 2017, 56, 133-150.	4.6	61

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37	A New Technique for the Quantification of Peripheral Edema with Application in Both Unilateral and Bilateral Cases. Angiology, 2002, 53, 41-47.	1.8	59
38	Single frequency versus bioimpedance spectroscopy for the assessment of lymphedema. Breast Cancer Research and Treatment, 2009, 117, 177-182.	2.5	59
39	Assessment of Volume Depletion in Children with Malaria. PLoS Medicine, 2004, 1, e18.	8.4	58
40	Transient swelling versus lymphoedema in the first year following surgery for breast cancer. Supportive Care in Cancer, 2013, 21, 2207-2215.	2.2	58
41	Sex differences in voluntary locomotor activity of food-restricted and Ad libitum-fed rats. Implications for the maintenance of a body weight set-point. Comparative Biochemistry and Physiology A, Comparative Physiology, 1990, 96, 287-290.	0.6	57
42	Rheological characterization of food thickeners marketed in Australia in various media for the management of dysphagia. III. Fruit juice as a dispersing medium. Journal of Food Engineering, 2008, 86, 604-615.	5.2	57
43	Chronic high-carbohydrate, high-fat feeding in rats induces reversible metabolic, cardiovascular, and liver changes. American Journal of Physiology - Endocrinology and Metabolism, 2012, 302, E1472-E1482.	3.5	57
44	Nutrient partitioning during treatment of tuberculosis: gain in body fat mass but not in protein mass. American Journal of Clinical Nutrition, 2004, 79, 1006-1012.	4.7	56
45	Lymphedema Following Taxane-Based Chemotherapy in Women with Early Breast Cancer. Lymphatic Research and Biology, 2014, 12, 282-288.	1.1	56
46	Rheological characterisation of food thickeners marketed in Australia in various media for the management of dysphagia. II. Milk as a dispersing medium. Journal of Food Engineering, 2008, 84, 553-562.	5.2	55
47	Changes in Body Composition and Muscle Protein Degradation During Nutritional Supplementation in Nutritionally Growth-Retarded Children with Cystic Fibrosis. Journal of Pediatric Gastroenterology and Nutrition, 1983, 2, 439-446.	1.8	54
48	Determination of Cole parameters in multiple frequency bioelectrical impedance analysis using only the measurement of impedances. Physiological Measurement, 2006, 27, 839-850.	2.1	54
49	Early Diagnosis of Lymphedema in Postsurgery Breast Cancer Patients. Annals of the New York Academy of Sciences, 2000, 904, 571-575.	3.8	54
50	Altered body composition and muscle protein degradation in nutritionally growth-retarded children with cystic fibrosis. American Journal of Clinical Nutrition, 1982, 36, 492-499.	4.7	53
51	Comparison of a Bioelectrical Impedance Device against the Reference Method Dual Energy X-Ray Absorptiometry and Anthropometry for the Evaluation of Body Composition in Adults. Nutrients, 2018, 10, 1469.	4.1	53
52	Operational Equivalence of Bioimpedance Indices and Perometry for the Assessment of Unilateral Arm Lymphedema. Lymphatic Research and Biology, 2009, 7, 81-85.	1.1	52
53	Bioelectrical impedance analysis predicts outcome in patients with suspected bacteremia. Infection, 1998, 26, 277-282.	4.7	51
54	Potential errors in the application of mixture theory to multifrequency bioelectrical impedance analysis. Physiological Measurement, 1998, 19, 53-60.	2.1	51

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55	Noninvasive measurement of cerebral bioimpedance for detection of cerebral edema in the neonatal piglet. Brain Research, 2002, 945, 97-105.	2.2	50
56	Seaweed Supplements Normalise Metabolic, Cardiovascular and Liver Responses in High-Carbohydrate, High-Fat Fed Rats. Marine Drugs, 2015, 13, 788-805.	4.6	50
57	Carbohydrates in Human Milk and Body Composition of Term Infants during the First 12 Months of Lactation. Nutrients, 2019, 11, 1472.	4.1	49
58	Effect of temperature and sweating on bioimpedance measurements. Applied Radiation and Isotopes, 1998, 49, 475-476.	1.5	48
59	Inulin oligofructose attenuates metabolic syndrome in high-carbohydrate, high-fat diet-fed rats. British Journal of Nutrition, 2016, 116, 1502-1511.	2.3	46
60	Modeling Leg Sections by Bioelectrical Impedance Analysis, Dualâ€Energy Xâ€ray Absorptiometry, and Anthropometry: Assessing Segmental Muscle Volume Using Magnetic Resonance Imaging as a Reference. Annals of the New York Academy of Sciences, 2000, 904, 298-305.	3.8	45
61	Prediction of fat-free body mass from bioelectrical impedance among 9- to 11-year-old Swedish children. Diabetes, Obesity and Metabolism, 2007, 9, 521-539.	4.4	44
62	Thickened Fluids and Water Absorption in Rats and Humans. Dysphagia, 2007, 22, 193-203.	1.8	44
63	Tissue Composition Changes and Secondary Lymphedema. Lymphatic Research and Biology, 2013, 11, 211-218.	1.1	44
64	Critical factors and their impact on bioelectrical impedance analysis in children: a review. Journal of Medical Engineering and Technology, 2017, 41, 22-35.	1.4	44
65	Cerebral impedance and neurological outcome following a mild or severe hypoxic/ischemic episode in neonatal piglets. Brain Research, 2003, 969, 160-167.	2.2	43
66	Reference Ranges for Assessment of Unilateral Lymphedema in Legs by Bioelectrical Impedance Spectroscopy. Lymphatic Research and Biology, 2011, 9, 43-46.	1.1	43
67	Tocotrienols Reverse Cardiovascular, Metabolic and Liver Changes in High Carbohydrate, High Fat Diet-Fed Rats. Nutrients, 2012, 4, 1527-1541.	4.1	43
68	Responses to oleic, linoleic and Î±-linolenic acids in high-carbohydrate, high-fat diet-induced metabolic syndrome in rats. Journal of Nutritional Biochemistry, 2013, 24, 1381-1392.	4.2	43
69	Measurement of extracellular and total body water of rats using multiple frequency bioelectrical impedance analysis. Nutrition Research, 1992, 12, 657-666.	2.9	42
70	Bioelectrical impedance analysis in human immunodeficiency virus-infected patients: comparison of single frequency with multifrequency, spectroscopy, and other novel approaches. Nutrition, 1998, 14, 658-666.	2.4	42
71	Normative Volume Difference Between the Dominant and Nondominant Upper Limbs in Healthy Older Women. Lymphatic Research and Biology, 2012, 10, 182-188.	1.1	42
72	NÏ„-methylhistidine â€“ An index of the true rate of myofibrillar degradation? An appraisal. Life Sciences, 1978, 23, 1103-1115.	4.3	41

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73	Assessment of Bilateral Limb Lymphedema by Bioelectrical Impedance Spectroscopy. International Journal of Gynecological Cancer, 2011, 21, 409-418.	2.5	40
74	Standardisation of bioelectrical impedance analysis for the estimation of body composition in healthy paediatric populations: a systematic review. Journal of Medical Engineering and Technology, 2017, 41, 460-479.	1.4	40
75	Human Milk Adiponectin and Leptin and Infant Body Composition over the First 12 Months of Lactation. Nutrients, 2018, 10, 1125.	4.1	39
76	Resistivity coefficients for body composition analysis using bioimpedance spectroscopy: effects of body dominance and mixture theory algorithm. Physiological Measurement, 2015, 36, 1529-1549.	2.1	38
77	Fluorimetric detection of serum corticosterone using high-performance liquid chromatography. Biomedical Applications, 1992, 581, 267-271.	1.7	37
78	Progressive resistance training and stretching following surgery for breast cancer: study protocol for a randomised controlled trial. BMC Cancer, 2006, 6, 273.	2.6	37
79	Prediction of body water compartments in preterm infants by bioelectrical impedance spectroscopy. European Journal of Clinical Nutrition, 2013, 67, S47-S53.	2.9	37
80	Effect of Human Milk Appetite Hormones, Macronutrients, and Infant Characteristics on Gastric Emptying and Breastfeeding Patterns of Term Fully Breastfed Infants. Nutrients, 2017, 9, 15.	4.1	37
81	The use of Cole-Cole plots to compare two multi-frequencybioimpedance instruments. Clinical Nutrition, 1995, 14, 307-311.	5.0	36
82	Effect of air travel on lymphedema risk in women with history of breast cancer. Breast Cancer Research and Treatment, 2010, 120, 649-654.	2.5	36
83	Measurement of extracellular fluid volume in the neonate using multiple frequency bio-impedance analysis. Physiological Measurement, 2000, 21, 251-262.	2.1	35
84	Lean body mass: the development and validation of prediction equations in healthy adults. BMC Pharmacology & Toxicology, 2013, 14, 53.	2.4	35
85	Predicting composition of leg sections with anthropometry and bioelectrical impedance analysis, using magnetic resonance imaging as reference. Clinical Science, 1999, 96, 647.	4.3	34
86	Effects of a lowâ€“glycemic index diet during pregnancy on offspring growth, body composition, and vascular health: a pilot randomized controlled trial. American Journal of Clinical Nutrition, 2016, 103, 1073-1082.	4.7	34
87	A ninhydrin-orthophthalaldehyde reagent for the determination of NÏ„-methylhistidine. Analytical Biochemistry, 1978, 88, 598-604.	2.4	33
88	Inhibition by ethanol of cardiac protein synthesis in the rat. International Journal of Biochemistry & Cell Biology, 1985, 17, 793-798.	0.5	33
89	Effects of chronic ethanol inhalation on the enhancement of benzodiazepine binding to mouse brain membranes by GABA. Neurochemistry International, 1987, 10, 231-235.	3.8	32
90	A rodent model of low- to moderate-dose ethanol consumption during pregnancy: patterns of ethanol consumption and effects on fetal and offspring growth. Reproduction, Fertility and Development, 2012, 24, 859.	0.4	32

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91	Relationships between Breastfeeding Patterns and Maternal and Infant Body Composition over the First 12 Months of Lactation. Nutrients, 2018, 10, 45.	4.1	32
92	The reaction of acetaldehyde with brain microtubular proteins: formation of stable adducts and inhibition of polymerization. Neuroscience Letters, 1987, 79, 163-168.	2.1	31
93	Validation of a three-frequency bioimpedance spectroscopic method for body composition analysis. Nutrition, 2007, 23, 657-664.	2.4	31
94	Study Protocol - Accurate assessment of kidney function in Indigenous Australians: aims and methods of the eGFR Study. BMC Public Health, 2010, 10, 80.	2.9	31
95	Green and Black Cardamom in a Diet-Induced Rat Model of Metabolic Syndrome. Nutrients, 2015, 7, 7691-7707.	4.1	31
96	Human body composition: yesterday, today, and tomorrow. European Journal of Clinical Nutrition, 2018, 72, 1201-1207.	2.9	31
97	Human Milk Casein and Whey Protein and Infant Body Composition over the First 12 Months of Lactation. Nutrients, 2018, 10, 1332.	4.1	30
98	Assessment of intracellular water by whole body bioelectrical impedance and total body potassium in HIV-positive patients. Clinical Nutrition, 2000, 19, 109-113.	5.0	29
99	Clinical assessment of HIV-associated lipodystrophy syndrome: bioelectrical impedance analysis, anthropometry and clinical scores. Clinical Nutrition, 2001, 20, 243-249.	5.0	29
100	Longitudinal changes in blood pressure during weight loss and regain of weight in obese boys and girls. Journal of Hypertension, 2012, 30, 368-374.	0.5	29
101	Quantification of lymphoedema using multi-frequency bioimpedance. Applied Radiation and Isotopes, 1998, 49, 651-652.	1.5	28
102	Estimation of body water compartments in cirrhosis by multiple-frequency bioelectrical-impedance analysis. Nutrition, 2001, 17, 31-34.	2.4	28
103	Obesity, Leanness, and Mortality: Effect Modification by Physical Activity in Men and Women. Obesity, 2009, 17, 136-142.	3.0	28
104	Mean Expected Error in Prediction of Total Body Water: A True Accuracy Comparison between Bioimpedance Spectroscopy and Single Frequency Regression Equations. BioMed Research International, 2015, 2015, 1-11.	1.9	27
105	Effects of periconceptional maternal alcohol intake and a postnatal high-fat diet on obesity and liver disease in male and female rat offspring. American Journal of Physiology - Endocrinology and Metabolism, 2018, 315, E694-E704.	3.5	27
106	Bioelectrical Impedance Analysis. European Journal of Clinical Nutrition, 2013, 67, S1-S1.	2.9	24
107	Estimation of body fluids with bioimpedance spectroscopy: state of the art methods and proposal of novel methods. Physiological Measurement, 2015, 36, 2171-2187.	2.1	24
108	Effects of acetaldehyde on polymerization of microtubule proteins. Brain Research, 1987, 416, 90-99.	2.2	23

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109	Reliability of a Radiological Grading System for Dermal Backflow in Lymphoscintigraphy Imaging. Academic Radiology, 2013, 20, 758-763.	2.5	23
110	Assessment of Breast Cancer-Related Lymphedema: A Comparison of Moisture Meter and Spot Bioimpedance Measurement. Lymphatic Research and Biology, 2015, 13, 10-19.	1.1	23
111	Importance of health assessments for conservation in noncaptive wildlife. Conservation Biology, 2022, 36, .	4.7	23
112	Impact of Low Dose Prenatal Ethanol Exposure on Glucose Homeostasis in Sprague-Dawley Rats Aged up to Eight Months. PLoS ONE, 2013, 8, e59718.	2.5	23
113	A comparison of segmental and wrist-to-ankle methodologies of bioimpedance analysis. Applied Radiation and Isotopes, 1998, 49, 477-478.	1.5	22
114	Data analysis in multiple-frequency bioelectrical impedance analysis. Physiological Measurement, 1998, 19, 275-283.	2.1	22
115	New techniques in nutritional assessment: Body composition methods. Proceedings of the Nutrition Society, 1999, 58, 33-38.	1.0	22
116	Measurement of Hand Volume by Bioelectrical Impedance Spectroscopy. Lymphatic Research and Biology, 2012, 10, 81-86.	1.1	22
117	A Green Algae Mixture of Scenedesmus and Schroederiella Attenuates Obesity-Linked Metabolic Syndrome in Rats. Nutrients, 2015, 7, 2771-2787.	4.1	22
118	Human milk immunomodulatory proteins are related to development of infant body composition during the first year of lactation. Pediatric Research, 2021, 89, 911-921.	2.3	22
119	Cellular energy charge in the heart and liver of the rat. The effects of ethanol and acetaldehyde. International Journal of Biochemistry & Cell Biology, 1986, 18, 1031-1038.	0.5	21
120	Evaluation of bioelectrical impedance for prospective nutritional assessment in cystic fibrosis. Nutrition, 1997, 13, 412-416.	2.4	21
121	Bioimpedance: Is It a Predictor of True Water Volume?. Annals of the New York Academy of Sciences, 1999, 873, 89-93.	3.8	21
122	Glucose homeostasis can be differentially modulated by varying individual components of a western diet. Journal of Nutritional Biochemistry, 2013, 24, 1251-1257.	4.2	21
123	Assessing Early Growth and Adiposity: Report from an EarlyNutrition Academy Workshop. Annals of Nutrition and Metabolism, 2013, 63, 120-130.	1.9	21
124	Body Positional Effects on Bioimpedance Spectroscopy Measurements for Lymphedema Assessment of the Arm. Lymphatic Research and Biology, 2020, 18, 464-473.	1.1	21
125	The excretion of 3-methylhistidine by the normal healthy adult. Clinica Chimica Acta, 1979, 91, 363-365.	1.1	20
126	Sensitivity of multiple frequency bioelectrical impedance analysis to changes in ion status. Physiological Measurement, 1999, 20, 349-362.	2.1	20

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127	Modulation of tissue fatty acids by<scp>l</scp>-carnitine attenuates metabolic syndrome in diet-induced obese rats. Food and Function, 2015, 6, 2496-2506.	4.6	19
128	Breast Cancer-Related Arm Lymphedema: Fluctuation over Six Months and the Effect of the Weather. Lymphatic Research and Biology, 2016, 14, 148-155.	1.1	19
129	Determinants of body composition in breastfed infants using bioimpedance spectroscopy and ultrasound skinfoldsâ€"methods comparison. Pediatric Research, 2017, 81, 423-433.	2.3	19
130	Cohort Profile: The Pregnancy and Neonatal Diabetes Outcomes in Remote Australia (PANDORA) Study. International Journal of Epidemiology, 2018, 47, 1045-1046h.	1.9	19
131	Screening for breast cancerâ€"related lymphoedema: self-assessment of symptoms and signs. Supportive Care in Cancer, 2020, 28, 3073-3080.	2.2	19
132	Three Decades of Bioelectrical Impedance Spectroscopy in Lymphedema Assessment: An Historical Perspective. Lymphatic Research and Biology, 2020, 19, 206-214.	1.1	19
133	Protein synthesis in the early stages of cardiac hypertrophy. International Journal of Biochemistry & Cell Biology, 1983, 15, 1267-1271.	0.5	18
134	Nutrition in Cystic Fibrosis. Nutrition Research Reviews, 1991, 4, 51-67.	4.1	18
135	Estimation of fat-free mass in Asian neonates using bioelectrical impedance analysis. British Journal of Nutrition, 2016, 115, 1033-1042.	2.3	18
136	Incidence and risk factors for lower limb lymphedema associated with endometrial cancer: Results from a prospective, longitudinal cohort study.. Gynecologic Oncology, 2020, 158, 375-381.	1.4	18
137	Ethanol and leucine oxidationâ€"I. Leucine oxidation by the rat in vivo. International Journal of Biochemistry & Cell Biology, 1985, 17, 187-193.	0.5	17
138	Protein Turnover in Malnourished Patients with Cystic Fibrosis. Journal of Pediatric Gastroenterology and Nutrition, 1990, 10, 339-343.	1.8	17
139	Lymphatic Filariasis: A Method to Identify Subclinical Lower Limb Change in PNG Adolescents. PLoS Neglected Tropical Diseases, 2011, 5, e1242.	3.0	17
140	Normal Values for Segmental Bioimpedance Spectroscopy in Pediatric Patients. PLoS ONE, 2015, 10, e0126268.	2.5	17
141	Ethanol and leucine oxidationâ€"II. Leucine oxidation by rat tissue in vitro. International Journal of Biochemistry & Cell Biology, 1985, 17, 195-201.	0.5	16
142	Pediatric post-thrombotic syndrome in children: Toward the development of a new diagnostic and evaluative measurement tool. Thrombosis Research, 2016, 144, 184-191.	1.7	16
143	An evaluation of phase angle, bioelectrical impedance vector analysis and impedance ratio for the assessment of disease status in children with nephrotic syndrome. BMC Nephrology, 2019, 20, 331.	1.8	16
144	Phase angle measured by bioelectrical impedance analysis and the risk of cardiovascular disease among adult Danes. Nutrition, 2021, 89, 111280.	2.4	16

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145	Simple and rapid high-performance liquid chromatographic method for the quantification of 3-methylhistidine. Biomedical Applications, 1981, 223, 417-420.	1.7	15
146	Animal models op chronic alcohol ingestion: The liquid diet. Drug and Alcohol Dependence, 1987, 19, 333-344.	3.2	15
147	Change in extracellular fluid and arm volumes as a consequence of a single session of lymphatic massage followed by rest with or without compression. Supportive Care in Cancer, 2012, 20, 3079-3086.	2.2	15
148	Assessment of Segmental Arm Soft Tissue Composition in Breast Cancer-Related Lymphedema: A Pilot Study Using Dual Energy X-ray Absorptiometry and Bioimpedance Spectroscopy. Lymphatic Research and Biology, 2015, 13, 33-39.	1.1	15
149	Bioelectrical Impedance Analysisâ€"An Easy Tool for Quantifying Body Composition in Infancy?. Nutrients, 2020, 12, 920.	4.1	15
150	Bioelectrical impedance analysis for assessment of body composition in infants and young childrenâ€A systematic literature review. Clinical Obesity, 2021, 11, e12441.	2.0	15
151	Effects of exercise and antioxidant supplementation on endothelial gene expression. International Journal of Cardiology, 2012, 158, 59-65.	1.7	14
152	Bioimpedance Resistance Indices and Cell Membrane Capacitance Used to Assess Disease Status and Cell Membrane Integrity in Children with Nephrotic Syndrome. Scientific World Journal, The, 2019, 2019, 1-8.	2.1	14
153	The kinetics of myofibrillar protein breakdown in perfused rat skeletal muscle. Biochimica Et Biophysica Acta - General Subjects, 1979, 587, 415-423.	2.4	13
154	Protein synthesis in isolated perfused rat skeletal muscle. International Journal of Biochemistry & Cell Biology, 1984, 16, 1077-1081.	0.5	13
155	Multiple frequency bioimpedance: a bed-side technique for assessment of fluid shift patterns in a patient with severe dehydration. Clinical Nutrition, 1997, 16, 189-192.	5.0	13
156	Prediction of the chemical composition of lamb carcasses from multi-frequency impedance data. British Journal of Nutrition, 1998, 79, 169-176.	2.3	13
157	Fever and sepsis during neutropenia are associated with expansion of extracellular and loss of intracellular water. Clinical Nutrition, 2000, 19, 35-41.	5.0	13
158	Bioelectrical impedance validation studies: alternative approaches to their interpretation. European Journal of Clinical Nutrition, 2013, 67, S10-S13.	2.9	13
159	Bedside quantification of fat-free mass in acute spinal cord injury using bioelectrical impedance analysis: a psychometric study. Spinal Cord, 2018, 56, 355-365.	1.9	13
160	Comparison of estimated energy requirements using predictive equations with total energy expenditure measured by the doubly labelled water method in acute spinal cord injury. Spinal Cord, 2019, 57, 562-570.	1.9	13
161	A Bioimpedance Spectroscopy-Based Method for Diagnosis of Lower-Limb Lymphedema. Lymphatic Research and Biology, 2020, 18, 101-109.	1.1	13
162	Multiple frequency bioelectrical impedance for the prediction of total body potassium in cystic fibrosis. Clinical Nutrition, 1995, 14, 348-353.	5.0	12

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163	Monitoring of Extracellular and Total Body Water during Haemodialysis Using Multif requency Bio-Electrical Impedance Analysis. Kidney and Blood Pressure Research, 1996, 19, 94-99.	2.0	12
164	Multiple frequency bioelectrical impedance analysis: a cross-validation study of the inductor circuit and Cole models. Physiological Measurement, 1999, 20, 333-347.	2.1	12
165	Time course and determinants of leptin decline during weight loss in obese boys and girls. Pediatric Obesity, 2007, 2, 2-10.	3.2	12
166	Moisture absorption characteristics of food thickeners used for the management of swallowing dysfunctions. European Food Research and Technology, 2007, 224, 555-560.	3.3	12
167	Body composition assessment in horses using bioimpedance spectroscopy1. Journal of Animal Science, 2016, 94, 533-541.	0.5	12
168	Segmental Bioimpedance Informs Diagnosis of Breast Cancer-Related Lymphedema. Lymphatic Research and Biology, 2017, 15, 349-355.	1.1	12
169	Standardization of lower extremity quantitative lymphedema measurements and associated patient-reported outcomes in gynecologic cancers. Gynecologic Oncology, 2021, 160, 625-632.	1.4	12
170	Re: â€œelectrical maturation trajectory of human tissues identified by bioelectrical impedance vector analysisâ€• Nutrition, 2000, 16, 319-320.	2.4	11
171	Assessment of body composition by bioelectrical impedance analysis without the need for measurement of height. Clinical Nutrition, 2001, 20, 21-26.	5.0	11
172	A comparison of the whole-body and segmental methodologies of bioimpedance analysis. Acta Diabetologica, 2003, 40, s236-s237.	2.5	11
173	Prevention of osteoporosis as a consequence of aromatase inhibitor therapy in postmenopausal women with early breast cancer: Rationale and design of a randomized controlled trial. Contemporary Clinical Trials, 2011, 32, 704-709.	1.8	11
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