

Leigh C Ward

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.

265
papers

7,067
citations

45
h-index

71
g-index

282
ext. papers

8,076
ext. citations

3.7
avg, IF

6.04
L-index

#	Paper	IF	Citations
265	Quantification of lean bodyweight. <i>Clinical Pharmacokinetics</i> , 2005 , 44, 1051-65	6.2	577
264	High-carbohydrate high-fat diet-induced metabolic syndrome and cardiovascular remodeling in rats. <i>Journal of Cardiovascular Pharmacology</i> , 2011 , 57, 51-64	3.1	275
263	Assessment of breast cancer-related arm lymphedema--comparison of physical measurement methods and self-report. <i>Cancer Investigation</i> , 2010 , 28, 54-62	2.1	159
262	Improved prediction of extracellular and total body water using impedance loci generated by multiple frequency bioelectrical impedance analysis. <i>Physics in Medicine and Biology</i> , 1993 , 38, 337-46	3.8	158
261	Nutritional rehabilitation in cystic fibrosis: controlled studies of effects on nutritional growth retardation, body protein turnover, and course of pulmonary disease. <i>Journal of Pediatrics</i> , 1986 , 109, 788-94	3.6	141
260	Lipid redistribution by linolenic acid-rich chia seed inhibits stearyl-CoA desaturase-1 and induces cardiac and hepatic protection in diet-induced obese rats. <i>Journal of Nutritional Biochemistry</i> , 2012 , 23, 153-62	6.3	115
259	Effects of ALA, EPA and DHA in high-carbohydrate, high-fat diet-induced metabolic syndrome in rats. <i>Journal of Nutritional Biochemistry</i> , 2013 , 24, 1041-52	6.3	115
258	Ellagic acid attenuates high-carbohydrate, high-fat diet-induced metabolic syndrome in rats. <i>European Journal of Nutrition</i> , 2013 , 52, 559-68	5.2	109
257	High-carbohydrate, high-fat diet-induced metabolic syndrome and cardiovascular remodeling in rats. <i>Journal of Cardiovascular Pharmacology</i> , 2011 , 57, 611-24	3.1	108
256	Optimizing electrode sites for segmental bioimpedance measurements. <i>Physiological Measurement</i> , 1999 , 20, 241-50	2.9	100
255	Bioelectrical impedance analysis: proven utility in lymphedema risk assessment and therapeutic monitoring. <i>Lymphatic Research and Biology</i> , 2006 , 4, 51-6	2.3	94
254	The effect of the dietary supplement, Chitosan, on body weight: a randomised controlled trial in 250 overweight and obese adults. <i>International Journal of Obesity</i> , 2004 , 28, 1149-56	5.5	94
253	Confirmation of the reference impedance ratios used for assessment of breast cancer-related lymphedema by bioelectrical impedance spectroscopy. <i>Lymphatic Research and Biology</i> , 2011 , 9, 47-51	2.3	93
252	Bioelectrical impedance for monitoring the efficacy of lymphoedema treatment programmes. <i>Breast Cancer Research and Treatment</i> , 1996 , 38, 169-76	4.4	93
251	Multi-frequency bioelectrical impedance augments the diagnosis and management of lymphoedema in post-mastectomy patients. <i>European Journal of Clinical Investigation</i> , 1992 , 22, 751-4	4.6	83
250	Risk factors for lymphoedema in women with breast cancer: A large prospective cohort. <i>Breast</i> , 2016 , 28, 29-36	3.6	83
249	Bioelectrical impedance analysis for body composition assessment: reflections on accuracy, clinical utility, and standardisation. <i>European Journal of Clinical Nutrition</i> , 2019 , 73, 194-199	5.2	80

248	Post-mastectomy lymphoedema treatment and measurement. <i>Medical Journal of Australia</i> , 1994 , 161, 125-8	4	78
247	Upper limb progressive resistance training and stretching exercises following surgery for early breast cancer: a randomized controlled trial. <i>Breast Cancer Research and Treatment</i> , 2012 , 133, 667-76	4.4	76
246	Rheological characterisation of food thickeners marketed in Australia in various media for the management of dysphagia. I: Water and cordial. <i>Journal of Food Engineering</i> , 2007 , 79, 69-82	6	69
245	Chronic care treatment of obese children and adolescents. <i>Pediatric Obesity</i> , 2011 , 6, 188-96		67
244	Bioimpedance spectrometry in the determination of body water compartments: accuracy and clinical significance. <i>Applied Radiation and Isotopes</i> , 1998 , 49, 447-55	1.7	66
243	Caffeine attenuates metabolic syndrome in diet-induced obese rats. <i>Nutrition</i> , 2012 , 28, 1055-62	4.8	63
242	Quantitative bioimpedance spectroscopy for the assessment of lymphoedema. <i>Breast Cancer Research and Treatment</i> , 2009 , 117, 541-7	4.4	61
241	Segmental bioelectrical impedance analysis: an update. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2012 , 15, 424-9	3.8	61
240	Psychosocial benefits of postmastectomy lymphedema therapy. <i>Cancer Nursing</i> , 1995 , 18, 197-205	2.6	61
239	Sources of error in bioimpedance spectroscopy. <i>Physiological Measurement</i> , 1998 , 19, 235-45	2.9	60
238	Lymphedema following gynecological cancer: Results from a prospective, longitudinal cohort study on prevalence, incidence and risk factors. <i>Gynecologic Oncology</i> , 2017 , 146, 623-629	4.9	59
237	Whole body protein turnover in malnourished cystic fibrosis patients and its relationship to pulmonary disease. <i>American Journal of Clinical Nutrition</i> , 1985 , 41, 1061-6	7	58
236	Prediction of fat-free mass and percentage of body fat in neonates using bioelectrical impedance analysis and anthropometric measures: validation against the PEA POD. <i>British Journal of Nutrition</i> , 2012 , 107, 1545-52	3.6	57
235	Segmental measurement of breast cancer-related arm lymphoedema using perometry and bioimpedance spectroscopy. <i>Supportive Care in Cancer</i> , 2011 , 19, 703-10	3.9	56
234	Assessment of limb muscle and adipose tissue by dual-energy X-ray absorptiometry using magnetic resonance imaging for comparison. <i>International Journal of Obesity</i> , 1999 , 23, 1295-302	5.5	55
233	Single frequency versus bioimpedance spectroscopy for the assessment of lymphedema. <i>Breast Cancer Research and Treatment</i> , 2009 , 117, 177-82	4.4	52
232	Chronic high-carbohydrate, high-fat feeding in rats induces reversible metabolic, cardiovascular, and liver changes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012 , 302, E1472-82	6	52
231	Diagnosis of upper limb lymphedema: development of an evidence-based approach. <i>Acta Oncologica</i> , 2016 , 55, 1477-1483	3.2	50

230	Transient swelling versus lymphoedema in the first year following surgery for breast cancer. <i>Supportive Care in Cancer</i> , 2013 , 21, 2207-15	3.9	50
229	Rheological characterisation of food thickeners marketed in Australia in various media for the management of dysphagia. II. Milk as a dispersing medium. <i>Journal of Food Engineering</i> , 2008 , 84, 553-562	6	49
228	A new technique for the quantification of peripheral edema with application in both unilateral and bilateral cases. <i>Angiology</i> , 2002 , 53, 41-7	2.1	49
227	Rheological characterization of food thickeners marketed in Australia in various media for the management of dysphagia. III. Fruit juice as a dispersing medium. <i>Journal of Food Engineering</i> , 2008 , 86, 604-615	6	48
226	Early diagnosis of lymphedema in postsurgery breast cancer patients. <i>Annals of the New York Academy of Sciences</i> , 2000 , 904, 571-5	6.5	48
225	Bioelectrical impedance analysis predicts outcome in patients with suspected bacteremia. <i>Infection</i> , 1998 , 26, 277-82	5.8	46
224	Nutrient partitioning during treatment of tuberculosis: gain in body fat mass but not in protein mass. <i>American Journal of Clinical Nutrition</i> , 2004 , 79, 1006-12	7	46
223	Potential errors in the application of mixture theory to multifrequency bioelectrical impedance analysis. <i>Physiological Measurement</i> , 1998 , 19, 53-60	2.9	46
222	Bioelectrical impedance analysis to estimate body composition, and change in adiposity, in overweight and obese adolescents: comparison with dual-energy x-ray absorptiometry. <i>BMC Pediatrics</i> , 2014 , 14, 249	2.6	45
221	Changes in body composition during weight loss in obese subjects in the NUGENOB study: comparison of bioelectrical impedance vs. dual-energy X-ray absorptiometry. <i>Diabetes and Metabolism</i> , 2011 , 37, 222-9	5.4	45
220	Operational equivalence of bioimpedance indices and perometry for the assessment of unilateral arm lymphedema. <i>Lymphatic Research and Biology</i> , 2009 , 7, 81-5	2.3	45
219	Determination of Cole parameters in multiple frequency bioelectrical impedance analysis using only the measurement of impedances. <i>Physiological Measurement</i> , 2006 , 27, 839-50	2.9	45
218	Assessment of volume depletion in children with malaria. <i>PLoS Medicine</i> , 2004 , 1, e18	11.6	45
217	Anti-inflammatory Ω and Ω cotrienols improve cardiovascular, liver and metabolic function in diet-induced obese rats. <i>European Journal of Nutrition</i> , 2017 , 56, 133-150		44
216	Altered body composition and muscle protein degradation in nutritionally growth-retarded children with cystic fibrosis. <i>American Journal of Clinical Nutrition</i> , 1982 , 36, 492-9	7	44
215	Thickened fluids and water absorption in rats and humans. <i>Dysphagia</i> , 2007 , 22, 193-203	3.7	43
214	Sex differences in voluntary locomotor activity of food-restricted and ad libitum-fed rats. Implications for the maintenance of a body weight set-point. <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1990 , 96, 287-90		43
213	Seaweed supplements normalise metabolic, cardiovascular and liver responses in high-carbohydrate, high-fat fed rats. <i>Marine Drugs</i> , 2015 , 13, 788-805	6	42

212	Changes in body composition and muscle protein degradation during nutritional supplementation in nutritionally growth-retarded children with cystic fibrosis. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 1983 , 2, 439-46	2.8	42
211	Prediction of fat-free body mass from bioelectrical impedance among 9- to 11-year-old Swedish children. <i>Diabetes, Obesity and Metabolism</i> , 2007 , 9, 521-39	6.7	41
210	Noninvasive measurement of cerebral bioimpedance for detection of cerebral edema in the neonatal piglet. <i>Brain Research</i> , 2002 , 945, 97-105	3.7	40
209	Cerebral impedance and neurological outcome following a mild or severe hypoxic/ischemic episode in neonatal piglets. <i>Brain Research</i> , 2003 , 969, 160-7	3.7	40
208	Lymphedema following taxane-based chemotherapy in women with early breast cancer. <i>Lymphatic Research and Biology</i> , 2014 , 12, 282-8	2.3	39
207	Modeling leg sections by bioelectrical impedance analysis, dual-energy X-ray absorptiometry, and anthropometry: assessing segmental muscle volume using magnetic resonance imaging as a reference. <i>Annals of the New York Academy of Sciences</i> , 2000 , 904, 298-305	6.5	39
206	Tissue composition changes and secondary lymphedema. <i>Lymphatic Research and Biology</i> , 2013 , 11, 211-8.3	2.3	38
205	Responses to oleic, linoleic and linolenic acids in high-carbohydrate, high-fat diet-induced metabolic syndrome in rats. <i>Journal of Nutritional Biochemistry</i> , 2013 , 24, 1381-92	6.3	37
204	Reference ranges for assessment of unilateral lymphedema in legs by bioelectrical impedance spectroscopy. <i>Lymphatic Research and Biology</i> , 2011 , 9, 43-6	2.3	37
203	Effect of temperature and sweating on bioimpedance measurements. <i>Applied Radiation and Isotopes</i> , 1998 , 49, 475-6	1.7	37
202	Tocotrienols reverse cardiovascular, metabolic and liver changes in high carbohydrate, high fat diet-fed rats. <i>Nutrients</i> , 2012 , 4, 1527-41	6.7	36
201	Bioelectrical impedance analysis in human immunodeficiency virus-infected patients: comparison of single frequency with multifrequency, spectroscopy, and other novel approaches. <i>Nutrition</i> , 1998 , 14, 658-66	4.8	36
200	Assessment of bilateral limb lymphedema by bioelectrical impedance spectroscopy. <i>International Journal of Gynecological Cancer</i> , 2011 , 21, 409-18	3.5	35
199	Measurement of extracellular and total body water of rats using multiple frequency bioelectrical impedance analysis. <i>Nutrition Research</i> , 1992 , 12, 657-666	4	34
198	Fluorimetric detection of serum corticosterone using high-performance liquid chromatography. <i>Biomedical Applications</i> , 1992 , 581, 267-71		33
197	Ntau-Methylhistidine--an index of the true rate of myofibrillar degradation? An appraisal. <i>Life Sciences</i> , 1978 , 23, 1103-15	6.8	33
196	Normative volume difference between the dominant and nondominant upper limbs in healthy older women. <i>Lymphatic Research and Biology</i> , 2012 , 10, 182-8	2.3	32
195	Progressive resistance training and stretching following surgery for breast cancer: study protocol for a randomised controlled trial. <i>BMC Cancer</i> , 2006 , 6, 273	4.8	31

194	Effect of air travel on lymphedema risk in women with history of breast cancer. <i>Breast Cancer Research and Treatment</i> , 2010 , 120, 649-54	4.4	30
193	Measurement of extracellular fluid volume in the neonate using multiple frequency bio-impedance analysis. <i>Physiological Measurement</i> , 2000 , 21, 251-62	2.9	30
192	Inulin oligofructose attenuates metabolic syndrome in high-carbohydrate, high-fat diet-fed rats. <i>British Journal of Nutrition</i> , 2016 , 116, 1502-1511	3.6	30
191	A rodent model of low- to moderate-dose ethanol consumption during pregnancy: patterns of ethanol consumption and effects on fetal and offspring growth. <i>Reproduction, Fertility and Development</i> , 2012 , 24, 859-70	1.8	29
190	Study Protocol--accurate assessment of kidney function in Indigenous Australians: aims and methods of the eGFR study. <i>BMC Public Health</i> , 2010 , 10, 80	4.1	29
189	Prediction of body water compartments in preterm infants by bioelectrical impedance spectroscopy. <i>European Journal of Clinical Nutrition</i> , 2013 , 67 Suppl 1, S47-53	5.2	28
188	Predicting composition of leg sections with anthropometry and bioelectrical impedance analysis, using magnetic resonance imaging as reference. <i>Clinical Science</i> , 1999 , 96, 647	6.5	28
187	Effects of chronic ethanol inhalation on the enhancement of benzodiazepine binding to mouse brain membranes by GABA. <i>Neurochemistry International</i> , 1987 , 10, 231-5	4.4	28
186	Inhibition by ethanol of cardiac protein synthesis in the rat. <i>International Journal of Biochemistry & Cell Biology</i> , 1985 , 17, 793-8		28
185	A ninhydrin-orthophthalaldehyde reagent for the determination of Ntau-methylhistidine. <i>Analytical Biochemistry</i> , 1978 , 88, 598-604	3.1	28
184	Resistivity coefficients for body composition analysis using bioimpedance spectroscopy: effects of body dominance and mixture theory algorithm. <i>Physiological Measurement</i> , 2015 , 36, 1529-49	2.9	27
183	Critical factors and their impact on bioelectrical impedance analysis in children: a review. <i>Journal of Medical Engineering and Technology</i> , 2017 , 41, 22-35	1.8	27
182	Obesity, leanness, and mortality: effect modification by physical activity in men and women. <i>Obesity</i> , 2009 , 17, 136-42	8	27
181	Effects of a low-glycemic index diet during pregnancy on offspring growth, body composition, and vascular health: a pilot randomized controlled trial. <i>American Journal of Clinical Nutrition</i> , 2016 , 103, 1073-82		27
180	Effect of Human Milk Appetite Hormones, Macronutrients, and Infant Characteristics on Gastric Emptying and Breastfeeding Patterns of Term Fully Breastfed Infants. <i>Nutrients</i> , 2016 , 9,	6.7	26
179	The reaction of acetaldehyde with brain microtubular proteins: formation of stable adducts and inhibition of polymerization. <i>Neuroscience Letters</i> , 1987 , 79, 163-8	3.3	26
178	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. <i>Nutrients</i> , 2018 , 10,	6.7	26
177	Carbohydrates in Human Milk and Body Composition of Term Infants during the First 12 Months of Lactation. <i>Nutrients</i> , 2019 , 11,	6.7	25

176	Quantification of lymphoedema using multi-frequency bioimpedance. <i>Applied Radiation and Isotopes</i> , 1998 , 49, 651-2	1.7	25
175	Assessment of intracellular water by whole body bioelectrical impedance and total body potassium in HIV-positive patients. <i>Clinical Nutrition</i> , 2000 , 19, 109-13	5.9	25
174	Clinical assessment of HIV-associated lipodystrophy syndrome: bioelectrical impedance analysis, anthropometry and clinical scores. <i>Clinical Nutrition</i> , 2001 , 20, 243-9	5.9	25
173	The use of Cole-Cole plots to compare two multifrequency bioimpedance instruments. <i>Clinical Nutrition</i> , 1995 , 14, 307-11	5.9	25
172	Human Milk Adiponectin and Leptin and Infant Body Composition over the First 12 Months of Lactation. <i>Nutrients</i> , 2018 , 10,	6.7	24
171	Longitudinal changes in blood pressure during weight loss and regain of weight in obese boys and girls. <i>Journal of Hypertension</i> , 2012 , 30, 368-74	1.9	24
170	Relationships between Breastfeeding Patterns and Maternal and Infant Body Composition over the First 12 Months of Lactation. <i>Nutrients</i> , 2018 , 10,	6.7	23
169	Green and Black Cardamom in a Diet-Induced Rat Model of Metabolic Syndrome. <i>Nutrients</i> , 2015 , 7, 7691-707	6.7	23
168	Estimation of body water compartments in cirrhosis by multiple-frequency bioelectrical-impedance analysis. <i>Nutrition</i> , 2001 , 17, 31-4	4.8	22
167	Standardisation of bioelectrical impedance analysis for the estimation of body composition in healthy paediatric populations: a systematic review. <i>Journal of Medical Engineering and Technology</i> , 2017 , 41, 460-479	1.8	21
166	Validation of a three-frequency bioimpedance spectroscopic method for body composition analysis. <i>Nutrition</i> , 2007 , 23, 657-64	4.8	21
165	Data analysis in multiple-frequency bioelectrical impedance analysis. <i>Physiological Measurement</i> , 1998 , 19, 275-83	2.9	21
164	Cellular energy charge in the heart and liver of the rat. The effects of ethanol and acetaldehyde. <i>International Journal of Biochemistry & Cell Biology</i> , 1986 , 18, 1031-8		21
163	Estimation of body fluids with bioimpedance spectroscopy: state of the art methods and proposal of novel methods. <i>Physiological Measurement</i> , 2015 , 36, 2171-87	2.9	20
162	Mean Expected Error in Prediction of Total Body Water: A True Accuracy Comparison between Bioimpedance Spectroscopy and Single Frequency Regression Equations. <i>BioMed Research International</i> , 2015 , 2015, 656323	3	20
161	Effects of acetaldehyde on polymerization of microtubule proteins. <i>Brain Research</i> , 1987 , 416, 90-9	3.7	20
160	Impact of low dose prenatal ethanol exposure on glucose homeostasis in Sprague-Dawley rats aged up to eight months. <i>PLoS ONE</i> , 2013 , 8, e59718	3.7	20
159	Measurement of hand volume by bioelectrical impedance spectroscopy. <i>Lymphatic Research and Biology</i> , 2012 , 10, 81-6	2.3	19

158	A comparison of segmental and wrist-to-ankle methodologies of bioimpedance analysis. <i>Applied Radiation and Isotopes</i> , 1998 , 49, 477-8	1.7	19
157	Glucose homeostasis can be differentially modulated by varying individual components of a western diet. <i>Journal of Nutritional Biochemistry</i> , 2013 , 24, 1251-7	6.3	18
156	Reliability of a radiological grading system for dermal backflow in lymphoscintigraphy imaging. <i>Academic Radiology</i> , 2013 , 20, 758-63	4.3	18
155	Sensitivity of multiple frequency bioelectrical impedance analysis to changes in ion status. <i>Physiological Measurement</i> , 1999 , 20, 349-62	2.9	18
154	New techniques in nutritional assessment: body composition methods. <i>Proceedings of the Nutrition Society</i> , 1999 , 58, 33-8	2.9	18
153	The excretion of 3-methylhistidine by the normal healthy adult. <i>Clinica Chimica Acta</i> , 1979 , 91, 363-5	6.2	18
152	Human body composition: yesterday, today, and tomorrow. <i>European Journal of Clinical Nutrition</i> , 2018 , 72, 1201-1207	5.2	18
151	A green algae mixture of <i>Scenedesmus</i> and <i>Schroederiella</i> attenuates obesity-linked metabolic syndrome in rats. <i>Nutrients</i> , 2015 , 7, 2771-87	6.7	17
150	Bioimpedance: is it a predictor of true water volume?. <i>Annals of the New York Academy of Sciences</i> , 1999 , 873, 89-93	6.5	17
149	Human Milk Casein and Whey Protein and Infant Body Composition over the First 12 Months of Lactation. <i>Nutrients</i> , 2018 , 10,	6.7	17
148	Breast Cancer-Related Arm Lymphedema: Fluctuation over Six Months and the Effect of the Weather. <i>Lymphatic Research and Biology</i> , 2016 , 14, 148-55	2.3	16
147	Assessing early growth and adiposity: report from an EarlyNutrition Academy workshop. <i>Annals of Nutrition and Metabolism</i> , 2013 , 63, 120-30	4.5	16
146	Lean body mass: the development and validation of prediction equations in healthy adults. <i>BMC Pharmacology & Toxicology</i> , 2013 , 14, 53	2.6	16
145	Evaluation of bioelectrical impedance for prospective nutritional assessment in cystic fibrosis. <i>Nutrition</i> , 1997 , 13, 412-6	4.8	16
144	Protein turnover in malnourished patients with cystic fibrosis: effects of elemental and nonelemental nutritional supplements. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 1990 , 10, 339-43	2.8	16
143	Protein synthesis in the early stages of cardiac hypertrophy. <i>International Journal of Biochemistry & Cell Biology</i> , 1983 , 15, 1267-71		16
142	Determinants of body composition in breastfed infants using bioimpedance spectroscopy and ultrasound skinfolds-methods comparison. <i>Pediatric Research</i> , 2017 , 81, 423-433	3.2	15
141	Normal values for segmental bioimpedance spectroscopy in pediatric patients. <i>PLoS ONE</i> , 2015 , 10, e0126728	3.7	15

140	Assessment of breast cancer-related lymphedema: a comparison of moisture meter and spot bioimpedance measurement. <i>Lymphatic Research and Biology</i> , 2015 , 13, 10-9	2.3	15
139	Nutrition in cystic fibrosis. <i>Nutrition Research Reviews</i> , 1991 , 4, 51-67	7	15
138	Cohort Profile: The Pregnancy and Neonatal Diabetes Outcomes in Remote Australia (PANDORA) Study. <i>International Journal of Epidemiology</i> , 2018 , 47, 1045-1046h	7.8	14
137	Lymphatic filariasis: a method to identify subclinical lower limb change in PNG adolescents. <i>PLoS Neglected Tropical Diseases</i> , 2011 , 5, e1242	4.8	14
136	Animal models of chronic alcohol ingestion: the liquid diet. <i>Drug and Alcohol Dependence</i> , 1987 , 19, 333-449	4.9	14
135	Ethanol and leucine oxidation--I. Leucine oxidation by the rat in vivo. <i>International Journal of Biochemistry & Cell Biology</i> , 1985 , 17, 187-93		14
134	Ethanol and leucine oxidation--II. Leucine oxidation by rat tissue in vitro. <i>International Journal of Biochemistry & Cell Biology</i> , 1985 , 17, 195-201		14
133	Simple and rapid high-performance liquid chromatographic method for the quantification of 3-methylhistidine. <i>Biomedical Applications</i> , 1981 , 223, 417-20		14
132	Effects of periconceptual maternal alcohol intake and a postnatal high-fat diet on obesity and liver disease in male and female rat offspring. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2018 , 315, E694-E704	6	13
131	Change in extracellular fluid and arm volumes as a consequence of a single session of lymphatic massage followed by rest with or without compression. <i>Supportive Care in Cancer</i> , 2012 , 20, 3079-86	3.9	13
130	Multiple frequency bioimpedance: a bed-side technique for assessment of fluid shift patterns in a patient with severe dehydration. <i>Clinical Nutrition</i> , 1997 , 16, 189-92	5.9	13
129	Screening for breast cancer-related lymphoedema: self-assessment of symptoms and signs. <i>Supportive Care in Cancer</i> , 2020 , 28, 3073-3080	3.9	13
128	Modulation of tissue fatty acids by L-carnitine attenuates metabolic syndrome in diet-induced obese rats. <i>Food and Function</i> , 2015 , 6, 2496-506	6.1	12
127	Time course and determinants of leptin decline during weight loss in obese boys and girls. <i>Pediatric Obesity</i> , 2007 , 2, 2-10		12
126	Estimation of fat-free mass in Asian neonates using bioelectrical impedance analysis. <i>British Journal of Nutrition</i> , 2016 , 115, 1033-42	3.6	12
125	Assessment of segmental arm soft tissue composition in breast cancer-related lymphedema: a pilot study using dual energy X-ray absorptiometry and bioimpedance spectroscopy. <i>Lymphatic Research and Biology</i> , 2015 , 13, 33-9	2.3	11
124	Pediatric post-thrombotic syndrome in children: Toward the development of a new diagnostic and evaluative measurement tool. <i>Thrombosis Research</i> , 2016 , 144, 184-91	8.2	11
123	Factors affecting the preoperative and postoperative extracellular fluid in the arm on the side of breast cancer: a cohort study. <i>Lymphatic Research and Biology</i> , 2013 , 11, 66-71	2.3	11

122	Effects of exercise and antioxidant supplementation on endothelial gene expression. <i>International Journal of Cardiology</i> , 2012 , 158, 59-65	3.2	11
121	Automated criterion-based analysis for Cole parameters assessment from cerebral neonatal electrical bioimpedance spectroscopy measurements. <i>Physiological Measurement</i> , 2012 , 33, 1363-77	2.9	11
120	Monitoring of extracellular and total body water during haemodialysis using multifrequency bio-electrical impedance analysis. <i>Kidney and Blood Pressure Research</i> , 1996 , 19, 94-9	3.1	11
119	The kinetics of myofibrillar protein breakdown in perfused rat skeletal muscle. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1979 , 587, 415-23	4	11
118	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. <i>Contemporary Clinical Trials</i> , 2011 , 32, 704-9	2.3	10
117	A comparison of the whole-body and segmental methodologies of bioimpedance analysis. <i>Acta Diabetologica</i> , 2003 , 40 Suppl 1, S236-7	3.9	10
116	Regarding "Edema and leg volume: methods of assessment". <i>Angiology</i> , 2000 , 51, 615-6	2.1	10
115	Fever and sepsis during neutropenia are associated with expansion of extracellular and loss of intracellular water. <i>Clinical Nutrition</i> , 2000 , 19, 35-41	5.9	10
114	Prediction of the chemical composition of lamb carcasses from multi-frequency impedance data. <i>British Journal of Nutrition</i> , 1998 , 79, 169-76	3.6	10
113	Multiple frequency bioelectrical impedance for the prediction of total body potassium in cystic fibrosis. <i>Clinical Nutrition</i> , 1995 , 14, 348-53	5.9	10
112	Human milk immunomodulatory proteins are related to development of infant body composition during the first year of lactation. <i>Pediatric Research</i> , 2021 , 89, 911-921	3.2	10
111	Segmental Bioimpedance Informs Diagnosis of Breast Cancer-Related Lymphedema. <i>Lymphatic Research and Biology</i> , 2017 , 15, 349-355	2.3	9
110	Development of a single-frequency bioimpedance prediction equation for fat-free mass in an adult Indigenous Australian population. <i>European Journal of Clinical Nutrition</i> , 2015 , 69, 28-33	5.2	9
109	Bioimpedance spectroscopy does have a valid and evidence-based role in detection and monitoring of lymphoedema. <i>Journal of Surgical Oncology</i> , 2017 , 115, 221-222	2.8	9
108	Moisture absorption characteristics of food thickeners used for the management of swallowing dysfunctions. <i>European Food Research and Technology</i> , 2007 , 224, 555-560	3.4	9
107	Optimal designs for studying bioimpedance. <i>Physiological Measurement</i> , 2007 , 28, 1465-83	2.9	9
106	Re: "Electrical maturation trajectory of human tissues identified by bioelectrical impedance vector analysis". <i>Nutrition</i> , 2000 , 16, 319-21	4.8	9
105	Assessment of body composition by bioelectrical impedance analysis without the need for measurement of height. <i>Clinical Nutrition</i> , 2001 , 20, 21-6	5.9	9

104	Multiple frequency bioelectrical impedance analysis: a cross-validation study of the inductor circuit and Cole models. <i>Physiological Measurement</i> , 1999 , 20, 333-47	2.9	9
103	Acetaldehyde and cardiac protein synthesis in the rat in vivo. <i>International Journal of Biochemistry & Cell Biology</i> , 1986 , 18, 289-92		9
102	Protein synthesis in isolated perfused rat skeletal muscle. Contribution of intra- and extracellular amino acid pools. <i>International Journal of Biochemistry & Cell Biology</i> , 1984 , 16, 1077-81		9
101	An evaluation of phase angle, bioelectrical impedance vector analysis and impedance ratio for the assessment of disease status in children with nephrotic syndrome. <i>BMC Nephrology</i> , 2019 , 20, 331	2.7	8
100	Body Positional Effects on Bioimpedance Spectroscopy Measurements for Lymphedema Assessment of the Arm. <i>Lymphatic Research and Biology</i> , 2020 , 18, 464-473	2.3	8
99	Bioelectrical Impedance Analysis-An Easy Tool for Quantifying Body Composition in Infancy?. <i>Nutrients</i> , 2020 , 12,	6.7	8
98	Bioelectrical impedance validation studies: alternative approaches to their interpretation. <i>European Journal of Clinical Nutrition</i> , 2013 , 67 Suppl 1, S10-3	5.2	8
97	Cardiorespiratory monitoring equipment interferes with whole body impedance measurements. <i>Physiological Measurement</i> , 2005 , 26, S235-40	2.9	8
96	Analysis of Physiological Data Characterized by Two Regimes Separated by an Abrupt Transition. <i>Physiological Zoology</i> , 1991 , 64, 885-889		8
95	Inter-Changeability of Impedance Devices for Lymphedema Assessment. <i>Lymphatic Research and Biology</i> , 2016 , 14, 88-94	2.3	8
94	Body composition assessment in horses using bioimpedance spectroscopy. <i>Journal of Animal Science</i> , 2016 , 94, 533-41	0.7	8
93	Bioimpedance spectroscopy in the infant: effect of milk intake and extracellular fluid reservoirs on resistance measurements in term breastfed infants. <i>European Journal of Clinical Nutrition</i> , 2016 , 70, 843-51	5.2	8
92	Bioimpedance Resistance Indices and Cell Membrane Capacitance Used to Assess Disease Status and Cell Membrane Integrity in Children with Nephrotic Syndrome. <i>Scientific World Journal, The</i> , 2019 , 2019, 4274856	2.2	7
91	Comparison of estimated energy requirements using predictive equations with total energy expenditure measured by the doubly labelled water method in acute spinal cord injury. <i>Spinal Cord</i> , 2019 , 57, 562-570	2.7	7
90	Incidence and risk factors for lower limb lymphedema associated with endometrial cancer: Results from a prospective, longitudinal cohort study. <i>Gynecologic Oncology</i> , 2020 , 158, 375-381	4.9	7
89	Bedside quantification of fat-free mass in acute spinal cord injury using bioelectrical impedance analysis: a psychometric study. <i>Spinal Cord</i> , 2018 , 56, 355-365	2.7	7
88	Prediction of outcome following hypoxia/ischaemia in the human infant using cerebral impedance. <i>Clinical Neurophysiology</i> , 2009 , 120, 225-30	4.3	7
87	Changes in body water distribution during treatment with inhaled steroid in pre-school children. <i>Annals of Human Biology</i> , 2004 , 31, 333-41	1.7	7

86	Evaluation of a new bioelectrical impedance instrument for the prediction of body cell mass independently of height or weight. <i>Nutrition</i> , 2000 , 16, 745-50	4.8	7
85	A feeding regime for the study of the interaction of ethanol and aging. <i>Drug and Alcohol Dependence</i> , 1989 , 23, 171-5	4.9	7
84	The Lymphedema Evaluation in Gynecological cancer Study (LEGS): design of a prospective, longitudinal, cohort study. <i>Cancer Research Frontiers</i> , 2015 , 1, 104-118		7
83	A Bioimpedance Spectroscopy-Based Method for Diagnosis of Lower-Limb Lymphedema. <i>Lymphatic Research and Biology</i> , 2020 , 18, 101-109	2.3	7
82	Agreement between dual energy X-ray absorptiometry and opto-electronic volumetry for measurement of forearm volume. <i>Lymphatic Research and Biology</i> , 2014 , 12, 164-8	2.3	6
81	Increased bone mineral density in Aboriginal and Torres Strait Islander Australians: impact of body composition differences. <i>Bone</i> , 2012 , 51, 123-30	4.7	6
80	Longitudinal analysis of leptin variation during weight regain after weight loss in obese children. <i>Obesity Facts</i> , 2009 , 2, 243-8	5.1	6
79	Tracking of leptin, soluble leptin receptor, and the free leptin index during weight loss and regain in children. <i>Obesity Facts</i> , 2011 , 4, 461-8	5.1	6
78	Ethanol and brain protein synthesis in the rat in vivo. <i>Neuroscience Letters</i> , 1985 , 53, 273-8	3.3	6
77	Reference Ranges Using Bioimpedance for Detection of Lymphedema in Chinese Women. <i>Lymphatic Research and Biology</i> , 2017 , 15, 268-273	2.3	5
76	Computerised tomography skeletal muscle and adipose surface area values in a healthy Caucasian population. <i>European Journal of Clinical Nutrition</i> , 2020 , 74, 1276-1281	5.2	5
75	Assessment of lymphedema by bioelectrical impedance spectroscopy. <i>Japan Journal of Nursing Science</i> , 2011 , 8, 108; author reply 109	1.7	5
74	A comparison of two multi-frequency bioimpedance analysers. <i>Applied Radiation and Isotopes</i> , 1998 , 49, 479-80	1.7	5
73	Fluorimetric Detection of Microsomal Lauric Acid Hydroxylations Using High-Performance Liquid Chromatography After Selective Solvent Partitioning and Esterification with 1-Pyrenyldiazomethane. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1994 , 17, 619-632		5
72	Chronic ingestion of ethanol increases stimulation-induced voluntary activity in the rat. <i>Drug and Alcohol Dependence</i> , 1989 , 23, 165-70	4.9	5
71	Protein turnover in subcellular fractions of brain from the ethanol-fed rat. <i>Neuroscience Letters</i> , 1987 , 74, 353-7	3.3	5
70	Three Decades of Bioelectrical Impedance Spectroscopy in Lymphedema Assessment: An Historical Perspective. <i>Lymphatic Research and Biology</i> , 2021 , 19, 206-214	2.3	5
69	The influence of body position on bioelectrical impedance spectroscopy measurements in young children. <i>Scientific Reports</i> , 2021 , 11, 10346	4.9	5

68	Importance of health assessments for conservation in noncaptive wildlife. <i>Conservation Biology</i> , 2021 ,	6	5
67	Utility of specific bioelectrical impedance vector analysis for the assessment of body composition in children. <i>Clinical Nutrition</i> , 2021 , 40, 1147-1154	5.9	5
66	Body composition following stem cell transplant: comparison of bioimpedance and air-displacement plethysmography. <i>Nutrition</i> , 2014 , 30, 1000-6	4.8	4
65	Standardized approach to lymphedema screening. <i>Oncologist</i> , 2013 , 18, 1242	5.7	4
64	Bioimpedance for the spot measurement of tissue density. <i>Journal of Physics: Conference Series</i> , 2013 , 434, 012054	0.3	4
63	Measurement of localized tissue water [clinical application of bioimpedance spectroscopy in wound management. <i>Journal of Physics: Conference Series</i> , 2013 , 434, 012043	0.3	4
62	Body proportions in three Nigerian tribes. <i>Acta Diabetologica</i> , 2003 , 40 Suppl 1, S317-9	3.9	4
61	A radiochemical method for determination of ethanol oxidation. <i>Journal of Proteomics</i> , 1984 , 9, 315-21		4
60	Physical activity trajectories following gynecological cancer: results from a prospective, longitudinal cohort study. <i>International Journal of Gynecological Cancer</i> , 2020 , 30, 1784-1790	3.5	4
59	Electrode Equivalence for Use in Bioimpedance Spectroscopy Assessment of Lymphedema. <i>Lymphatic Research and Biology</i> , 2019 , 17, 51-59	2.3	4
58	Letter to the Editor Re: Bundred et al. "Comparison of multi-frequency bioimpedance with perometry for the early detection and intervention of lymphoedema after axillary node clearance for breast cancer". <i>Breast Cancer Research and Treatment</i> , 2015 , 152, 227-228	4.4	3
57	Utility of bioimpedance methods for the assessment of fat-free mass in adult outpatients with inflammatory bowel disease. <i>Nutrition</i> , 2020 , 77, 110833	4.8	3
56	Estimation of Arm Adipose Tissue Quotient Using Segmental Bioimpedance Spectroscopy. <i>Lymphatic Research and Biology</i> , 2018 , 16, 377-384	2.3	3
55	Thermal physiology of the lactating nipple influences the removal of human milk. <i>Scientific Reports</i> , 2019 , 9, 11854	4.9	3
54	Slightly superior performance of bioimpedance spectroscopy over single frequency regression equations for assessment of total body water. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2015 , 2015, 3707-10	0.9	3
53	Extraction of electrical characteristics from pixels of multifrequency EIT images. <i>Physiological Measurement</i> , 1997 , 18, 107-18	2.9	3
52	Bioelectrical impedance analysis at the characteristic frequency. <i>Nutrition</i> , 2007 , 23, 96	4.8	3
51	Fluid shifts resulting from exercise in rats as detected by bioelectrical impedance. <i>Medicine and Science in Sports and Exercise</i> , 2001 , 33, 249-54	1.2	3

50	A Comparison of the Siconolfi and Cole-Cole Procedures for Multifrequency Impedance Data Analysis. <i>Annals of the New York Academy of Sciences</i> , 1999 , 873, 370-373	6.5	3
49	Multiple- and single-frequency bioelectrical impedance analysis. <i>American Journal of Clinical Nutrition</i> , 1995 , 61, 1166-1166	7	3
48	How body composition techniques measure up for reliability across the age-span. <i>American Journal of Clinical Nutrition</i> , 2021 , 114, 281-294	7	3
47	Measuring body composition in dogs using multifrequency bioelectrical impedance analysis and dual energy X-ray absorptiometry. <i>Veterinary Journal</i> , 2016 , 212, 65-70	2.5	3
46	Standardization of lower extremity quantitative lymphedema measurements and associated patient-reported outcomes in gynecologic cancers. <i>Gynecologic Oncology</i> , 2021 , 160, 625-632	4.9	3
45	Normative Interlimb Impedance Ratios: Implications for Early Diagnosis of Uni- and Bilateral, Upper and Lower Limb Lymphedema. <i>Lymphatic Research and Biology</i> , 2018 , 16, 559-566	2.3	3
44	Adding measures of body composition to the CKD-EPI GFR estimating equation in Indigenous Australians: the eGFR study. <i>American Journal of Kidney Diseases</i> , 2015 , 65, 632-4	7.4	2
43	Bioimpedance Spectroscopy of the Breast. <i>Lymphatic Research and Biology</i> , 2020 , 18, 448-454	2.3	2
42	Bioimpedance profiling of the limbs: Update. <i>Journal of Physics: Conference Series</i> , 2010 , 224, 012105	0.3	2
41	Identification and monitoring of disordered water balance: bioelectrical impedance analysis as an alternative to the target weight procedure. <i>International Journal of Mental Health Nursing</i> , 2000 , 9, 177-83		2
40	Use of a spreadsheet program for Deming [®] linear regression analysis. <i>Computer Methods and Programs in Biomedicine</i> , 1992 , 37, 101-5	6.9	2
39	Failure of a branched chain amino acid-enriched diet to reverse ethanol inhibition of cardiac protein synthesis in the rat. <i>International Journal of Biochemistry & Cell Biology</i> , 1987 , 19, 165-71		2
38	Ethanol and leucine oxidation--III. Leucine oxidation by rat heart in vitro. <i>International Journal of Biochemistry & Cell Biology</i> , 1987 , 19, 173-7		2
37	Branched chain amino acid metabolism in two avian species: Coturnix Coturnix japonica and Gallus domesticus. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1981 , 69, 265-272		2
36	Accuracy of body composition measurement techniques across the age-span.. <i>Applied Physiology, Nutrition and Metabolism</i> , 2022 ,	3	2
35	Detection of Milk Ejection Using Bioimpedance Spectroscopy in Lactating Women during Milk Expression Using an Electric Breast Pump. <i>Journal of Mammary Gland Biology and Neoplasia</i> , 2019 , 24, 177-184	2.4	2
34	Bioelectrical impedance analysis for assessment of body composition in infants and young children-A systematic literature review. <i>Clinical Obesity</i> , 2021 , 11, e12441	3.6	2
33	Evaluation of techniques used to assess skeletal muscle quantity in patients with cirrhosis. <i>Clinical Nutrition ESPEN</i> , 2021 , 44, 287-296	1.3	2

32	Phase angle measured by bioelectrical impedance analysis and the risk of cardiovascular disease among adult Danes. <i>Nutrition</i> , 2021 , 89, 111280	4.8	2
31	Early Diagnosis in Latent Phase 2018 , 197-203		1
30	Food as medicine. <i>Canadian Journal of Physiology and Pharmacology</i> , 2013 , 91, v-vi	2.4	1
29	Bioimpedance spectroscopy in haemodynamic analysis. <i>Journal of Physics: Conference Series</i> , 2010 , 224, 012121	0.3	1
28	The effect of an anabolic steroid, methenolone enanthate, on growth, body composition and skeletal muscle protein synthesis in the growing rat. <i>Nutrition Research</i> , 1990 , 10, 535-545	4	1
27	Ethanol and protein and amino acid metabolism in heart. <i>International Journal of Biochemistry & Cell Biology</i> , 1987 , 19, 887-97		1
26	Procedures and a computer program for the determination of fractional protein synthetic rates by numerical solution of an implicit equation. <i>Computers in Biology and Medicine</i> , 1988 , 18, 245-51	7	1
25	Drug metabolism in rats: Induction and inhibition of cytoplasmic electron transport laboratory experiments in vivo and in vitro. <i>Biochemical Education</i> , 1981 , 9, 46-50		1
24	Novel management of oral chemotherapy adherence using Navigating Cancer [®] patient-reported outcomes mobile application.. <i>Journal of Clinical Oncology</i> , 2016 , 34, e21676-e21676	2.2	1
23	Comparison of segmental lean tissue mass in individuals with spinal cord injury measured by dual energy X-ray absorptiometry and predicted by bioimpedance spectroscopy. <i>Spinal Cord</i> , 2021 , 59, 730-737	2.7	1
22	Is post-transplant metabolic syndrome associated with pre-liver transplant visceral adipose tissue area?. <i>Clinical Nutrition ESPEN</i> , 2020 , 39, 61-66	1.3	1
21	The Prevalence, Incidence, and Quality-of-Life Impact of Lymphedema After Treatment for Vulvar or Vaginal Cancer. <i>Rehabilitation Oncology</i> , 2018 , 36, 48-55	0.8	1
20	Changes in R0/R1 ratio and membrane capacitance are associated with milk removal from the breast. <i>PLoS ONE</i> , 2018 , 13, e0208650	3.7	1
19	New bioelectrical impedance analysis equations for children and adolescents based on the deuterium dilution technique. <i>Clinical Nutrition ESPEN</i> , 2021 , 44, 402-409	1.3	1
18	Early Diagnosis in Latent Phase 2011 , 105-109		1
17	Attenuated Total Reflection Fourier Transform Infrared (ATR FT-IR) Spectroscopy for the Quantitative Analysis of Deuterium in Plasma: Application to Total Body Water Determination in Humans and Other Animals. <i>Applied Spectroscopy</i> , 2021 , 75, 698-705	3.1	0
16	Interchangeability of Two Electrode Placement Protocols Used by Bioimpedance Spectroscopy Devices in the Detection of Breast Cancer-Related Lymphedema. <i>Lymphatic Research and Biology</i> , 2021 , 19, 181-188	2.3	0
15	Reliability of Lymphoscintigraphy. <i>Lymphatic Research and Biology</i> , 2015 , 13, 227	2.3	

14	Assessment of limb edema in pediatric post-thrombotic syndrome. <i>Research and Practice in Thrombosis and Haemostasis</i> , 2018 , 2, 591-595	5.1
13	Estimation of limb adiposity by bioimpedance spectroscopy in lymphoedema. <i>Journal of Physics: Conference Series</i> , 2013 , 434, 012062	0.3
12	The use of the terms bipolar and tetrapolar. <i>American Journal of Human Biology</i> , 2005 , 17, 380	2.7
11	Letters: To the editor. <i>American Journal of Human Biology</i> , 1995 , 7, 289-290	2.7
10	A logarithmic ratio amplifier and range expander for use with dual-beam colorimeters. <i>Analytical Biochemistry</i> , 1980 , 101, 468-71	3.1
9	What Is Needed in Metabolic Research? 2000 , 219-232	
8	Effects of Exercise Training and Antioxidant Supplementation on Endothelial Cell Gene Expression. <i>Medicine and Science in Sports and Exercise</i> , 2008 , 40, S246	1.2
7	Dual-energy X-ray absorptiometry (DXA) and chemical composition as measures of body composition of the short-beaked echidna (<i>Tachyglossus aculeatus aculeatus</i>). <i>Australian Journal of Zoology</i> , 2019 , 67, 73	0.5
6	Determination of evidence-based diagnostic thresholds for upper limb lymphedema secondary to treatment for cancer.. <i>Journal of Clinical Oncology</i> , 2013 , 31, 9616-9616	2.2
5	Efficacy of a one-year exercise program to prevent bone loss in postmenopausal women prescribed aromatase inhibitor therapy: An RCT.. <i>Journal of Clinical Oncology</i> , 2013 , 31, e20533-e20533	2.2
4	Elevated extracellular fluid in the "at risk" arm from taxane-based chemotherapies in women treated for early breast cancer.. <i>Journal of Clinical Oncology</i> , 2013 , 31, 126-126	2.2
3	Comment on: Multi-segment bioimpedance can assess patients with bilateral lymphedema. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2020 , 73, 783-808	1.7
2	Body composition and spinal cord injury 2022 , 389-404	
1	Energy requirements and spinal cord injury 2022 , 405-411	