

Alejandro Santos-Lozano

List of Publications by Year in descending order

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Version: 2024-02-01

134
papers

3,821
citations

186209

28
h-index

155592

55
g-index

141
all docs

141
docs citations

141
times ranked

6573
citing authors

#	ARTICLE	IF	CITATIONS
1	Exercise benefits in cardiovascular disease: beyond attenuation of traditional risk factors. <i>Nature Reviews Cardiology</i> , 2018, 15, 731-743.	6.1	449
2	Exercise Attenuates the Major Hallmarks of Aging. <i>Rejuvenation Research</i> , 2015, 18, 57-89.	0.9	275
3	Actigraph GT3X: Validation and Determination of Physical Activity Intensity Cut Points. <i>International Journal of Sports Medicine</i> , 2013, 34, 975-982.	0.8	269
4	Technical variability of the GT3X accelerometer. <i>Medical Engineering and Physics</i> , 2012, 34, 787-790.	0.8	145
5	Non-Steroidal Anti-Inflammatory Drugs as a Treatment for Alzheimer's Disease: A Systematic Review and Meta-Analysis of Treatment Effect. <i>Drugs and Aging</i> , 2015, 32, 139-147.	1.3	140
6	Elite Athletes Live Longer Than the General Population: A Meta-Analysis. <i>Mayo Clinic Proceedings</i> , 2014, 89, 1195-1200.	1.4	133
7	Physical Activity and Alzheimer Disease: A Protective Association. <i>Mayo Clinic Proceedings</i> , 2016, 91, 999-1020.	1.4	108
8	Systematic Review and Meta-Analysis of Randomized, Controlled Trials on Preoperative Physical Exercise Interventions in Patients with Non-Small-Cell Lung Cancer. <i>Cancers</i> , 2019, 11, 944.	1.7	88
9	Benefits of aerobic or resistance training during pregnancy on maternal health and perinatal outcomes: A systematic review. <i>Early Human Development</i> , 2016, 94, 43-48.	0.8	83
10	Physical Exercise in the Oldest Old. , 2019, 9, 1281-1304.		79
11	Influence of Sex and Level on Marathon Pacing Strategy. Insights from the New York City Race. <i>International Journal of Sports Medicine</i> , 2014, 35, 933-938.	0.8	77
12	Benefits of skeletal-muscle exercise training in pulmonary arterial hypertension: The WHOLEi+12 trial. <i>International Journal of Cardiology</i> , 2017, 231, 277-283.	0.8	76
13	Exercise training in childhood cancer: A systematic review and meta-analysis of randomized controlled trials. <i>Cancer Treatment Reviews</i> , 2018, 70, 154-167.	3.4	71
14	Physical Inactivity and Low Fitness Deserve More Attention to Alter Cancer Risk and Prognosis. <i>Cancer Prevention Research</i> , 2015, 8, 105-110.	0.7	67
15	ApoE gene and exceptional longevity: Insights from three independent cohorts. <i>Experimental Gerontology</i> , 2014, 53, 16-23.	1.2	66
16	Exercise Intervention in Pediatric Patients with Solid Tumors. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 223-230.	0.2	63
17	Intermonitor Variability of GT3X Accelerometer. <i>International Journal of Sports Medicine</i> , 2012, 33, 994-999.	0.8	53
18	Exercise interventions in Alzheimer's disease: A systematic review and meta-analysis of randomized controlled trials. <i>Ageing Research Reviews</i> , 2021, 72, 101479.	5.0	48

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19	Cerebral versus Ocular Visual Impairment: The Impact on Developmental Neuroplasticity. <i>Frontiers in Psychology</i> , 2016, 7, 1958.	1.1	47
20	The <i>ApoE</i> Gene Is Related with Exceptional Longevity: A Systematic Review and Meta-Analysis. <i>Rejuvenation Research</i> , 2015, 18, 3-13.	0.9	46
21	Mutations in the DNA methylation pathway and number of driver mutations predict response to azacitidine in myelodysplastic syndromes. <i>Oncotarget</i> , 2017, 8, 106948-106961.	0.8	38
22	Validity of the ActivPAL [®] and the ActiGraph Monitors in Preschoolers. <i>Medicine and Science in Sports and Exercise</i> , 2013, 45, 2002-2011.	0.2	36
23	Effect of a Simple Exercise Program on Hospitalization-Associated Disability in Older Patients: A Randomized Controlled Trial. <i>Journal of the American Medical Directors Association</i> , 2020, 21, 531-537.e1.	1.2	36
24	Whole-body vibration increases upper and lower body muscle activity in older adults: Potential use of vibration accessories. <i>Journal of Electromyography and Kinesiology</i> , 2012, 22, 456-462.	0.7	33
25	The genetics of exceptional longevity: Insights from centenarians. <i>Maturitas</i> , 2016, 90, 49-57.	1.0	33
26	Inhospital exercise benefits in childhood cancer: A prospective cohort study. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2020, 30, 126-134.	1.3	33
27	Is the SenseWear Armband accurate enough to quantify and estimate energy expenditure in healthy adults?. <i>Annals of Translational Medicine</i> , 2017, 5, 97-97.	0.7	32
28	ACTN3 R577X Polymorphism and Explosive Leg-Muscle Power in Elite Basketball Players. <i>International Journal of Sports Physiology and Performance</i> , 2014, 9, 226-232.	1.1	31
29	Validity of the Physical Activity Questionnaires IPAQ-SF and GPAQ for Cancer Survivors: Insights from a Spanish Cohort. <i>International Journal of Sports Medicine</i> , 2016, 37, 979-985.	0.8	31
30	Successful aging: insights from proteome analyses of healthy centenarians. <i>Aging</i> , 2020, 12, 3502-3515.	1.4	31
31	Physical Exercise and Alzheimer's Disease: Effects on Pathophysiological Molecular Pathways of the Disease. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2897.	1.8	30
32	Defining and assessing intrinsic capacity in older people: A systematic review and a proposed scoring system. <i>Ageing Research Reviews</i> , 2022, 79, 101640.	5.0	30
33	Validity of the Omron pedometer and the actigraph step count function in preschoolers. <i>Journal of Science and Medicine in Sport</i> , 2015, 18, 289-293.	0.6	29
34	A comparison of training intensity between whole-body vibration and conventional squat exercise. <i>Journal of Electromyography and Kinesiology</i> , 2011, 21, 616-621.	0.7	27
35	Maternal Cardiac Adaptations to a Physical Exercise Program during Pregnancy. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 896-906.	0.2	27
36	Effects of beta-hydroxy-beta-methylbutyrate supplementation on strength and body composition in trained and competitive athletes: A meta-analysis of randomized controlled trials. <i>Journal of Science and Medicine in Sport</i> , 2018, 21, 727-735.	0.6	27

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37	Muscle molecular adaptations to endurance exercise training are conditioned by glycogen availability: a proteomics-based analysis in the McArdle mouse model. <i>Journal of Physiology</i> , 2018, 596, 1035-1061.	1.3	26
38	Gestational Exercise and Maternal and Child Health: Effects until Delivery and at Post-Natal Follow-up. <i>Journal of Clinical Medicine</i> , 2020, 9, 379.	1.0	26
39	A preliminary candidate approach identifies the combination of chemerin, fetuin-A, and fibroblast growth factors 19 and 21 as a potential biomarker panel of successful aging. <i>Age</i> , 2015, 37, 9776.	3.0	25
40	Molecular Analysis of BMPR2 , TBX4 , and KCNK3 and Genotype-Phenotype Correlations in Spanish Patients and Families With Idiopathic and Hereditary Pulmonary Arterial Hypertension. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2016, 69, 1011-1019.	0.4	25
41	Niemann-Pick disease treatment: a systematic review of clinical trials. <i>Annals of Translational Medicine</i> , 2015, 3, 360.	0.7	25
42	Validation study of Polar V800 accelerometer. <i>Annals of Translational Medicine</i> , 2016, 4, 278-278.	0.7	24
43	Effects of Exercise on the Immune Function of Pediatric Patients With Solid Tumors. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2017, 96, 831-837.	0.7	23
44	Coronavirus Lockdown: Forced Inactivity for the Oldest Old?. <i>Journal of the American Medical Directors Association</i> , 2020, 21, 988-989.	1.2	23
45	Association of the K153R polymorphism in the myostatin gene and extreme longevity. <i>Age</i> , 2013, 35, 2445-2454.	3.0	22
46	Incidence of Atrial Fibrillation in Elite Athletes. <i>JAMA Cardiology</i> , 2018, 3, 1200.	3.0	22
47	Joint association of physical activity and body mass index with cardiovascular risk: a nationwide population-based cross-sectional study. <i>European Journal of Preventive Cardiology</i> , 2022, 29, e50-e52.	0.8	22
48	Response rate to the treatment of Waldenström macroglobulinemia: A meta-analysis of the results of clinical trials. <i>Critical Reviews in Oncology/Hematology</i> , 2016, 105, 118-126.	2.0	21
49	Effect of 8 months of whole-body vibration training on quality of life in elderly women. <i>Research in Sports Medicine</i> , 2017, 25, 101-107.	0.7	21
50	Heart Rate Variability and Exceptional Longevity. <i>Frontiers in Physiology</i> , 2020, 11, 566399.	1.3	21
51	Effects of allopurinol on exercise-induced muscle damage: new therapeutic approaches?. <i>Cell Stress and Chaperones</i> , 2015, 20, 3-13.	1.2	19
52	Physical activity levels are low in patients with pulmonary hypertension. <i>Annals of Translational Medicine</i> , 2018, 6, 205-205.	0.7	19
53	Trace elements levels in centenarian "dodgers". <i>Journal of Trace Elements in Medicine and Biology</i> , 2016, 35, 103-106.	1.5	17
54	Biological Rationale for Regular Physical Exercise as an Effective Intervention for the Prevention and Treatment of Depressive Disorders. <i>Current Pharmaceutical Design</i> , 2016, 22, 3764-3775.	0.9	16

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55	FND5 (irisin) gene and exceptional longevity: a functional replication study with rs16835198 and rs726344 SNPs. <i>Age</i> , 2014, 36, 9733.	3.0	15
56	Effects of Eight Months of Whole-Body Vibration Training on the Muscle Mass and Functional Capacity of Elderly Women. <i>Journal of Strength and Conditioning Research</i> , 2015, 29, 1863-1869.	1.0	15
57	No evidence of adverse cardiac remodeling in former elite endurance athletes. <i>International Journal of Cardiology</i> , 2016, 222, 171-177.	0.8	15
58	My patient wants to perform strenuous endurance exercise. What's the right advice?. <i>International Journal of Cardiology</i> , 2015, 197, 248-253.	0.8	14
59	Is health status impaired in childhood cancer survivors? A systematic review and meta-analysis. <i>Critical Reviews in Oncology/Hematology</i> , 2019, 142, 94-118.	2.0	14
60	Potential of video games for the promotion of neuroadaptation to multifocal intraocular lenses: a narrative review. <i>International Journal of Ophthalmology</i> , 2019, 12, 1782-1787.	0.5	14
61	Exercise Training and Natural Killer Cells in Cancer Survivors: Current Evidence and Research Gaps Based on a Systematic Review and Meta-analysis. <i>Sports Medicine - Open</i> , 2022, 8, 36.	1.3	14
62	Apparent Ventricular Dysfunction in Elite Young Athletes: Another Form of Cardiac Adaptation of the Athlete's Heart. <i>Journal of the American Society of Echocardiography</i> , 2019, 32, 987-996.	1.2	13
63	Mortality from mental disorders and suicide in male professional American football and soccer players: A meta-analysis. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2021, 31, 2241-2248.	1.3	13
64	Circulating leptin and adiponectin concentrations in healthy exceptional longevity. <i>Mechanisms of Ageing and Development</i> , 2017, 162, 129-132.	2.2	12
65	Individual Responsiveness to Physical Exercise Intervention in Acutely Hospitalized Older Adults. <i>Journal of Clinical Medicine</i> , 2020, 9, 797.	1.0	12
66	Exercise as an adjuvant therapy against chronic atrial fibrillation. <i>International Journal of Cardiology</i> , 2016, 207, 180-184.	0.8	11
67	Association between physical activity and cardiovascular risk factors: Dose and sex matter. <i>Journal of Sport and Health Science</i> , 2021, 10, 604-606.	3.3	11
68	Effects of eight months of whole body vibration training on hip bone mass in older women. <i>Nutricion Hospitalaria</i> , 2015, 31, 1654-9.	0.2	11
69	Mortality Risk from Neurodegenerative Disease in Sports Associated with Repetitive Head Impacts: Preliminary Findings from a Systematic Review and Meta-Analysis. <i>Sports Medicine</i> , 2022, 52, 835-846.	3.1	11
70	The rs1333049 polymorphism on locus 9p21.3 and extreme longevity in Spanish and Japanese cohorts. <i>Age</i> , 2014, 36, 933-943.	3.0	10
71	Exceptional longevity and muscle and fitness related genotypes: a functional in vitro analysis and case-control association replication study with SNPs THRH rs7832552, IL6 rs1800795, and ACSL1 rs6552828. <i>Frontiers in Aging Neuroscience</i> , 2015, 07, 59.	1.7	10
72	Where Are Supercentenarians Located? A Worldwide Demographic Study. <i>Rejuvenation Research</i> , 2015, 18, 14-19.	0.9	10

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73	Galectin-3, osteopontin and successful aging. <i>Clinical Chemistry and Laboratory Medicine</i> , 2016, 54, 873-7.	1.4	10
74	Inhospital Exercise Training in Children With Cancer: Does It Work for All?. <i>Frontiers in Pediatrics</i> , 2018, 6, 404.	0.9	10
75	Intradialytic neuromuscular electrical stimulation improves functional capacity and muscle strength in people receiving haemodialysis: a systematic review. <i>Journal of Physiotherapy</i> , 2020, 66, 89-96.	0.7	10
76	EFFECTS OF TRAINING AND DETRAINING ON GLYCOSYLATED HAEMOGLOBIN, GLYCAEMIA AND LIPID PROFILE IN TYPE-II DIABETICS. <i>Nutricion Hospitalaria</i> , 2015, 32, 1729-34.	0.2	10
77	The Second Wind in McArdle Patients: Fitness Matters. <i>Frontiers in Physiology</i> , 2021, 12, 744632.	1.3	10
78	Assessment of resting energy expenditure in pediatric mitochondrial diseases with indirect calorimetry. <i>Clinical Nutrition</i> , 2016, 35, 1484-1489.	2.3	8
79	Can routine laboratory variables predict survival in COVID-19? An artificial neural network-based approach. <i>Clinical Chemistry and Laboratory Medicine</i> , 2020, 58, e299-e302.	1.4	8
80	Aging's Effects on Marathon Performance: Insights From the New York City Race. <i>International Journal of Sports Physiology and Performance</i> , 2015, 10, 840-847.	1.1	7
81	Cardiorespiratory fitness and adiposity in breast cancer survivors: is meeting current physical activity recommendations really enough?. <i>Supportive Care in Cancer</i> , 2018, 26, 2293-2301.	1.0	7
82	Tailored Exercise during Hematopoietic Stem Cell Transplantation Hospitalization in Children with Cancer: A Prospective Cohort Study. <i>Cancers</i> , 2020, 12, 3020.	1.7	7
83	Poor self-reported sleep is associated with risk factors for cardiovascular disease: A cross-sectional analysis in half a million adults. <i>European Journal of Clinical Investigation</i> , 2022, 52, e13738.	1.7	7
84	Long-Term Exercise Intervention in Patients with McArdle Disease: Clinical and Aerobic Fitness Benefits. <i>Medicine and Science in Sports and Exercise</i> , 2022, 54, 1231-1241.	0.2	7
85	PTK2 rs7460 and rs7843014 Polymorphisms and Exceptional Longevity: A Functional Replication Study. <i>Rejuvenation Research</i> , 2014, 17, 430-438.	0.9	6
86	Strenuous Exercise Worse Than Sedentarism?. <i>Journal of the American College of Cardiology</i> , 2015, 65, 2673-2674.	1.2	6
87	Serum eicosapentaenoic acid to arachidonic acid ratio is associated with cardio-healthy exceptional longevity. <i>International Journal of Cardiology</i> , 2015, 184, 655-656.	0.8	6
88	Predictive value of NT-proBNP combined with exercise capacity variables in pulmonary artery disease: Insights from a Spanish cohort. <i>International Journal of Cardiology</i> , 2015, 186, 32-34.	0.8	6
89	Rationale and Design of a Randomized Controlled Trial Evaluating Whole Muscle Exercise Training Effects in Outpatients with Pulmonary Arterial Hypertension (WHOLEi+12). <i>Cardiovascular Drugs and Therapy</i> , 2015, 29, 543-550.	1.3	6
90	Sudden Cardiac Death in Professional Soccer Players. <i>Journal of the American College of Cardiology</i> , 2017, 70, 1420-1421.	1.2	6

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91	Syncope Episodes and Blood Flow Restriction Training. <i>Clinical Journal of Sport Medicine</i> , 2018, 28, e89-e91.	0.9	6
92	Physical Activity and Sedentary Behavior at the End of the Human Lifespan. <i>Journal of Aging and Physical Activity</i> , 2019, 27, 899-905.	0.5	6
93	Physical activity, sports and risk of atrial fibrillation: umbrella review of meta-analyses. <i>European Journal of Preventive Cardiology</i> , 2021, 28, e11-e16.	0.8	6
94	Incidence of sudden cardiac death in professional cycling. <i>International Journal of Cardiology</i> , 2016, 223, 222-223.	0.8	5
95	Effects of an 8-month exercise intervention on physical capacity, NT-proBNP, physical activity levels and quality of life data in patients with pulmonary arterial hypertension by NYHA class. <i>Data in Brief</i> , 2017, 12, 37-41.	0.5	5
96	Born to run: our future depends on it. <i>Lancet, The</i> , 2017, 390, 635-636.	6.3	5
97	Exercise Benefits in Pulmonary Hypertension. <i>Journal of the American College of Cardiology</i> , 2019, 73, 2906-2907.	1.2	5
98	Physical exercise effects on metastasis: a systematic review and meta-analysis in animal cancer models. <i>Cancer and Metastasis Reviews</i> , 2020, 39, 91-114.	2.7	5
99	Mitochondriogenesis Genes and Extreme Longevity. <i>Rejuvenation Research</i> , 2013, 16, 67-73.	0.9	4
100	Regular physical activity: a little is good, but is it good enough?. <i>American Journal of Clinical Nutrition</i> , 2015, 101, 1099-1101.	2.2	4
101	Physical Exercise as an Effective Antiaging Intervention. <i>BioMed Research International</i> , 2017, 2017, 1-2.	0.9	4
102	Manifesting heterozygotes in McArdle disease: a myth or a reality? role of statins. <i>Journal of Inherited Metabolic Disease</i> , 2018, 41, 1027-1035.	1.7	4
103	What do we really know about the association between physical activity, sports, and atrial fibrillation? A systematic review and meta-analysis from unbiased studies. <i>European Journal of Preventive Cardiology</i> , 2022, 29, e143-e148.	0.8	4
104	Implications of obesity in exceptional longevity. <i>Annals of Translational Medicine</i> , 2016, 4, 416-416.	0.7	4
105	A single bout of whole-body vibration improves hamstring flexibility in university athletes: A randomized controlled trial. <i>Journal of Human Sport and Exercise</i> , 2018, 13, .	0.2	4
106	Diabetes, Hypertension, and the Mediating Role of Lifestyle: A Cross-Sectional Analysis in a Large Cohort of Adults. <i>American Journal of Preventive Medicine</i> , 2022, 63, e21-e29.	1.6	4
107	Strenuous exercise and the heart: Are we not seeing the wood for the trees?. <i>International Journal of Cardiology</i> , 2014, 176, 1304-1305.	0.8	3
108	Commentaries on Viewpoint: The two-hour marathon: what's the equivalent for women?. <i>Journal of Applied Physiology</i> , 2015, 118, 1324-1328.	1.2	3

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109	mHealth and the legacy of John Snow. <i>Lancet, The</i> , 2018, 391, 1479-1480.	6.3	3
110	mHealth and Aging. <i>Journal of the American Medical Directors Association</i> , 2018, 19, 810-811.	1.2	3
111	Impact of gestational risk factors on maternal cardiovascular system. <i>Annals of Translational Medicine</i> , 2016, 4, 253-253.	0.7	3
112	Comparison Of Two Systems Designed To Measure Vertical Jump Height. [Comparación de dos sistemas diseñados para medir altura de salto vertical].. <i>RICYDE Revista Internacional De Ciencias Del Deporte</i> , 2014, 10, 123-130.	0.1	3
113	rs2802292 polymorphism in the FOXO3A gene and exceptional longevity in two ethnically distinct cohorts. <i>Maturitas</i> , 2016, 92, 110-114.	1.0	2
114	Tool for filtering PubMed search results by sample size. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2018, 25, 774-779.	2.2	2
115	Centenarians breaking records: nature or nurture?. <i>Age and Ageing</i> , 2018, 47, 761-762.	0.7	2
116	Athletic "Oldest-Old" Alive and Kicking. <i>Journal of the American Medical Directors Association</i> , 2019, 20, 949-951.	1.2	2
117	Preventing Alzheimer's Disease: Why Not Targeting the Muscle First?. <i>Journal of the American Medical Directors Association</i> , 2019, 20, 101-102.	1.2	2
118	Xanthine Oxidase Pathway and Muscle Damage. Insights from McArdle Disease. <i>Current Pharmaceutical Design</i> , 2016, 22, 2657-2663.	0.9	2
119	Effects of the type of exercise performed on the vibration delivered during whole-body vibration exercises. <i>Journal of Vibroengineering</i> , 2018, 20, 1522-1529.	0.5	2
120	Long-term Strenuous Endurance Exercise and the Right Ventricle: Is It a Real Matter of Concern?. <i>Canadian Journal of Cardiology</i> , 2015, 31, 1304.e1.	0.8	1
121	Is Weekend-Only Physical Activity Enough to Compensate for a Sedentary Lifestyle?. <i>JAMA Internal Medicine</i> , 2017, 177, 1223.	2.6	1
122	Genetic variants in the PPAR-PPARGC1A-NRF-TFAM mitochondriogenesis pathway are neither associated with muscle characteristics nor physical performance in elderly. [Variaciones genéticas en la vía de la mitocondriogénesis PPAR-PPARGC1A-NRF-TFAM no están asociadas ni con características musculares ni con rendimiento físico en personas mayores].. <i>RICYDE Revista Internacional De Ciencias Del Deporte</i> , 2015, 11, 196-208.	0.1	1
123	Moderate intensity functional training as adjuvant treatment in patients with peripheral arterial disease: a case report.. <i>Annals of Vascular Surgery</i> , 2021, , .	0.4	1
124	Comparación entre la respuesta de la actividad muscular lumbar en plataforma vibratoria y en ejercicio clásico de squat isométrico en 30° y 60°. (A comparison of the lumbar muscle activity) <i>TJ ETQq0 0 0 rgBT /Overlock 10 Tf Revista Internacional De Ciencias Del Deporte</i> , 2012, 8, 31-43.	0.1	1
125	Free to breathe hard in the Tour de France. <i>Lancet, The</i> , 2018, 392, 1114-1115.	6.3	0
126	Should exceptional medical conditions be banned in sports?. <i>Lancet Diabetes and Endocrinology,the</i> , 2018, 6, 687-688.	5.5	0

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127	Interpretation of Studies on the Occurrence of Atrial Fibrillation in Elite Athletesâ€™ Reply. JAMA Cardiology, 2019, 4, 393.	3.0	0
128	The Era of Smartphones: Back to Our Biological Makeup?. JMIR MHealth and UHealth, 2016, 4, e63.	1.8	0
129	Genetic factors and Waldenström's macroglobulinemia: Systematic review and meta-analysis. Hematology & Medical Oncology, 2018, 4, .	0.1	0
130	Effect of High-Intensity whole body vibration on blood lactate removal and heart rate after an all-out		