Jon Irazusta

List of Publications by Year in descending order

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133	3,240 citations	32	48
papers		h-index	g-index
133	133	133	3821
all docs	docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	Physiological and Anthropometric Characteristics of Young Soccer Players According to Their Playing Position: Relevance for the Selection Process. Journal of Strength and Conditioning Research, 2007, 21, 438.	1.0	150
2	Anthropometric, physiological and maturational characteristics in selected elite and non-elite male adolescent basketball players. Journal of Sports Sciences, 2013, 31, 196-203.	1.0	133
3	Anthropometric and Physiological Differences Between First Team and Reserve Soccer Players Aged 10-14 Years at the Beginning and End of the Season. Journal of Strength and Conditioning Research, 2008, 22, 1308-1314.	1.0	112
4	Impact of COVID-19 Confinement on Physical Activity and Sedentary Behaviour in Spanish University Students: Role of Gender. International Journal of Environmental Research and Public Health, 2021, 18, 369.	1,2	108
5	Reduced antioxidant defense in early onset first-episode psychosis: a case-control study. BMC Psychiatry, 2011, 11, 26.	1.1	94
6	Expression and Localization of \hat{l} -, \hat{l}^2 -, and \hat{l} -Qpioid Receptors in Human Spermatozoa and Implications for Sperm Motility. Journal of Clinical Endocrinology and Metabolism, 2006, 91, 4969-4975.	1.8	93
7	Basketball Performance Is Related to Maturity and Relative Age in Elite Adolescent Players. Journal of Strength and Conditioning Research, 2016, 30, 1325-1332.	1.0	74
8	Distribution of prolyl endopeptidase activities in rat and human brain. Neurochemistry International, 2002, 40, 337-345.	1.9	72
9	The CB2 cannabinoid receptor regulates human sperm cell motility. Fertility and Sterility, 2010, 93, 1378-1387.	0.5	64
10	Nutritional intake in soccer players of different ages. Journal of Sports Sciences, 2005, 23, 235-242.	1.0	63
11	Anthropometric Parameters, Age, and Agility as Performance Predictors in Elite Female Basketball Players. Journal of Strength and Conditioning Research, 2018, 32, 1723-1730.	1.0	59
12	PHYSIOLOGICAL AND ANTHROPOMETRIC CHARACTERISTICS OF YOUNG SOCCER PLAYERS ACCORDING TO THEIR PLAYING POSITION. Journal of Strength and Conditioning Research, 2007, 21, 438-445.	1.0	58
13	Peptidase activities in human semen. Peptides, 2002, 23, 461-468.	1.2	57
14	Relative age effect and performance in the U16, U18 and U20 European Basketball Championships. Journal of Sports Sciences, 2016, 34, 1530-1534.	1.0	57
15	A multicomponent exercise program improves physical function in long-term nursing home residents: A randomized controlled trial. Experimental Gerontology, 2018, 103, 94-100.	1.2	54
16	Physical activity and fitness are associated with verbal memory, quality of life and depression among nursing home residents: preliminary data of a randomized controlled trial. BMC Geriatrics, 2018, 18, 80.	1.1	53
17	Regulation of Male Fertility by the Opioid System. Molecular Medicine, 2011, 17, 846-853.	1.9	50
18	Effects of Multicomponent Exercise on Frailty in Longâ€Term Nursing Homes: A Randomized Controlled Trial. Journal of the American Geriatrics Society, 2019, 67, 1145-1151.	1.3	49

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19	Exercise, Physical Fitness, and Dietary Habits of First-Year Female Nursing Students. Biological Research for Nursing, 2006, 7, 175-186.	1.0	47
20	Increased cardiovascular risk associated with poor nutritional habits in first-year university students. Nutrition Research, 2007, 27, 387-394.	1.3	44
21	DIFFERENCES IN GROUND CONTACT TIME EXPLAIN THE LESS EFFICIENT RUNNING ECONOMY IN NORTH AFRICAN RUNNERS. Biology of Sport, 2013, 30, 181-187.	1.7	44
22	Stride Angle as a Novel Indicator of Running Economy in Well-Trained Runners. Journal of Strength and Conditioning Research, 2014, 28, 1889-1895.	1.0	44
23	Serum Myostatin Levels Are Higher in Fitter, More Active, and Non-Frail Long-Term Nursing Home Residents and Increase after a Physical Exercise Intervention. Gerontology, 2019, 65, 229-239.	1.4	44
24	Enkephalinâ€Degrading Enzymes in Normal and Subfertile Human Semen. Journal of Andrology, 2004, 25, 733-739.	2.0	43
25	Altered levels of acid, basic, and neutral peptidase activity and expression in human clear cell renal cell carcinoma. American Journal of Physiology - Renal Physiology, 2007, 292, F780-F788.	1.3	43
26	Fibroblast activation protein predicts prognosis in clear cell renal cell carcinoma. Human Pathology, 2016, 54, 100-105.	1.1	43
27	Expression of enkephalin-degrading enzymes in human semen and implications for sperm motility. Fertility and Sterility, 2008, 89, 1571-1577.	0.5	42
28	Expression and activity profiles of DPP IV/CD26 and NEP/CD10 glycoproteins in the human renal cancer are tumor-type dependent. BMC Cancer, 2010, 10, 193.	1.1	40
29	Influence of nutrient intake on antioxidant capacity, muscle damage and white blood cell count in female soccer players. Journal of the International Society of Sports Nutrition, 2012, 9, 32.	1.7	38
30	Angiotensin II type 2 receptor is expressed in human sperm cells and is involved in sperm motility. Fertility and Sterility, 2016, 105, 608-616.	0.5	37
31	Comparison between multicomponent and simultaneous dual-task exercise interventions in long-term nursing home residents: the Ageing-ONDUAL-TASK randomized controlled study. Age and Ageing, 2019, 48, 817-823.	0.7	37
32	Adaptive response in the antioxidant defence system in the course and outcome in first-episode schizophrenia patients: A 12-months follow-up study. Psychiatry Research, 2012, 200, 218-222.	1.7	36
33	Metabolic impact of a soccer match on female players. Journal of Sports Sciences, 2011, 29, 1345-1352.	1.0	33
34	Increased APN/CD13 and acid aminopeptidase activities in head and neck squamous cell carcinoma. Head and Neck, 2009, 31, 1335-1340.	0.9	31
35	Autocrine regulation of human sperm motility by tachykinins. Reproductive Biology and Endocrinology, 2010, 8, 104.	1.4	31
36	Increased prolyl endopeptidase activity in human neoplasia. Regulatory Peptides, 2010, 163, 102-106.	1.9	31

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37	Phosphoproteomic and Functional Analyses Reveal Sperm-specific Protein Changes Downstream of Kappa Opioid Receptor in Human Spermatozoa. Molecular and Cellular Proteomics, 2019, 18, S118-S131.	2.5	31
38	Effects of a capacitive-resistive electric transfer therapy on physiological and biomechanical parameters in recreational runners: A randomized controlled crossover trial. Physical Therapy in Sport, 2018, 32, 227-234.	0.8	30
39	Effects of Leucine-Enriched Whey Protein Supplementation on Physical Function in Post-Hospitalized Older Adults Participating in 12-Weeks of Resistance Training Program: A Randomized Controlled Trial. Nutrients, 2019, 11, 2337.	1.7	29
40	Effectiveness of a multicomponent exercise program in the attenuation of frailty in long-term nursing home residents: study protocol for a randomized clinical controlled trial. BMC Geriatrics, 2017, 17, 60.	1,1	27
41	Sub-Saharan African immigrant women's experiences of (lack of) access to appropriate healthcare in the public health system in the Basque Country, Spain. International Journal for Equity in Health, 2019, 18, 59.	1.5	26
42	The Voltage-Gated Sodium Channel Nav1.8 Is Expressed in Human Sperm. PLoS ONE, 2013, 8, e76084.	1.1	26
43	Expression and Localization of Opioid Receptors in Male Germ Cells and the Implication for Mouse Spermatogenesis. PLoS ONE, 2016, 11, e0152162.	1.1	25
44	A randomized controlled trial protocol to test the efficacy of a dual-task multicomponent exercise program in the attenuation of frailty in long-term nursing home residents: Aging-ONDUAL-TASK study. BMC Geriatrics, 2019, 19, 6.	1.1	25
45	Aminopeptidase N Activity Predicts 5-Year Survival in Colorectal Cancer Patients. Journal of Investigative Medicine, 2015, 63, 740-746.	0.7	24
46	The impact of physical exercise on cognitive and affective functions and serum levels of brain-derived neurotrophic factor in nursing home residents: A randomized controlled trial. Maturitas, 2020, 131, 72-77.	1.0	23
47	Role of Angiotensin-(1–7) via MAS receptor in human sperm motility and acrosome reaction. Reproduction, 2020, 159, 241-249.	1.1	23
48	Physical training maintains or improves gait ability in long-term nursing home residents: A systematic review of randomized controlled trials. Maturitas, 2018, 109, 45-52.	1.0	22
49	Ontogeny of prolyl endopeptidase and pyroglutamyl peptidase I in rat tissues. Regulatory Peptides, 2007, 139, 52-58.	1.9	21
50	Control of APN/CD13 and NEP/CD10 on sperm motility. Asian Journal of Andrology, 2010, 12, 899-902.	0.8	21
51	Angiotensin-converting enzymes (ACE and ACE2) are downregulated in renal tumors. Regulatory Peptides, 2010, 165, 218-223.	1.9	21
52	Autocrine regulation of human sperm motility by the met-enkephalin opioid peptide. Fertility and Sterility, 2012, 98, 617-625.e3.	0.5	21
53	Pyroglutamyl peptidase I and prolyl endopeptidase in human semen: increased activity in necrozoospermia. Regulatory Peptides, 2004, 122, 79-84.	1.9	20
54	Prolyl Endopeptidase Activity Is Correlated with Colorectal Cancer Prognosis. International Journal of Medical Sciences, 2014, 11, 199-208.	1.1	20

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55	Comparison Between Multicomponent Exercise and Walking Interventions in Long-Term Nursing Homes: A Randomized Controlled Trial. Gerontologist, The, 2020, 60, 1364-1373.	2.3	20
56	Nutritional Status Is Associated with Function, Physical Performance and Falls in Older Adults Admitted to Geriatric Rehabilitation: A Retrospective Cohort Study. Nutrients, 2020, 12, 2855.	1.7	20
57	Aminopeptidases in visceral organs during alterations in body fluid volume and osmolality. Peptides, 2003, 24, 1367-1372.	1.2	19
58	Reduced cardiovascular risk is associated with aerobic fitness in university students. European Journal of Sport Science, 2011, 11, 87-94.	1.4	19
59	Human sperm testicular angiotensin-converting enzyme helps determine human embryo quality. Asian Journal of Andrology, 2018, 20, 498.	0.8	19
60	Effect of neonatal handling on brain enkephalin-degrading peptidase activities. Neurochemistry International, 1999, 35, 357-361.	1.9	18
61	Effect of Aging on Rat Tissue Peptidase Activities. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2003, 58, B792-B797.	1.7	18
62	Ontogeny of Soluble and Particulate Prolyl Endopeptidase Activity in Several Areas of the Rat Brain and in the Pituitary Gland. Developmental Neuroscience, 2003, 25, 316-323.	1.0	18
63	Distribution of peptidase activity in teleost and rat tissues. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2005, 175, 433-444.	0.7	17
64	Aminopeptidase activity in the postmortem brain of human heroin addicts. Neurochemistry International, 2005, 46, 213-219.	1.9	17
65	Physical Activity, Physical Fitness, Body Composition, and Nutrition Are Associated with Bone Status in University Students. Nutrients, 2018, 10, 61.	1.7	16
66	Effects of hydrosaline treatments on prolyl endopeptidase activity in rat tissues. Regulatory Peptides, 2001, 101, 141-147.	1.9	15
67	Effects of morphine administration and its withdrawal on rat brain aminopeptidase activities. Regulatory Peptides, 2003, 110, 225-230.	1.9	15
68	Low serum klotho concentration is associated with worse cognition, psychological components of frailty, dependence, and falls in nursing home residents. Scientific Reports, 2021, 11, 9098.	1.6	15
69	Longitudinal study: lifestyle and cardiovascular health in health science students. Nutricion Hospitalaria, 2014, 30, 1144-51.	0.2	15
70	Interactions among challenges of hydromineral balance, angiotensin-converting enzyme, and cystine aminopeptidase. Peptides, 2001, 22, 2137-2144.	1.2	14
71	The Epigenetic Regulation of the Opioid System: New Individualized Prompt Prevention and Treatment Strategies. Journal of Cellular Biochemistry, 2015, 116, 2419-2426.	1.2	14
72	Race walking gait and its influence on race walking economy in world-class race walkers. Journal of Sports Sciences, 2018, 36, 2235-2241.	1.0	14

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73	Serum adiponectin is associated with body composition and cognitive and psychological status in older adults living in long-term nursing homes. Experimental Gerontology, 2019, 121, 1-9.	1.2	14
74	The Feldenkrais Method improves functioning and body balance in people with intellectual disability in supported employment: A randomized clinical trial. Research in Developmental Disabilities, 2017, 70, 104-112.	1.2	13
75	Veratridine-sensitive Na + channels regulate human sperm fertilization capacity. Life Sciences, 2018, 196, 48-55.	2.0	13
76	Multicomponent Physical Exercise in Older Adults after Hospitalization: A Randomized Controlled Trial Comparing Short- vs. Long-Term Group-Based Interventions. International Journal of Environmental Research and Public Health, 2020, 17, 666.	1.2	13
77	Influence of the COVID-19 Pandemic on the Lifestyles of Health Sciences University Students in Spain: A Longitudinal Study. Nutrients, 2021, 13, 1958.	1.7	13
78	Cannabinoid CB1 receptor is expressed in chromophobe renal cell carcinoma and renal oncocytoma. Clinical Biochemistry, 2013, 46, 638-641.	0.8	12
79	Impact of physical activity on semen quality among men from infertile couples. European Journal of Obstetrics, Gynecology and Reproductive Biology, 2019, 237, 170-174.	0.5	12
80	Testing the Multiple Pathways of Residential Greenness to Pregnancy Outcomes Model in a Sample of Pregnant Women in the Metropolitan Area of Donostia-San Sebasti A_1 n. International Journal of Environmental Research and Public Health, 2020, 17, 4520.	1.2	12
81	The opioid peptide betaâ€endorphin stimulates acrosome reaction in human spermatozoa. Andrology, 2016, 4, 143-151.	1.9	11
82	Identification of frailty and sarcopenia in hospitalised older people. European Journal of Clinical Investigation, 2021, 51, e13420.	1.7	11
83	Effect of the COVID-19 pandemic on the physical and psychoaffective health of older adults in a physical exercise program. Experimental Gerontology, 2021, 155, 111580.	1.2	11
84	Regional and subcellular distribution of soluble aminopeptidase in the human and the rat brain: a comparative study. Neuropeptides, 2001, 35, 276-284.	0.9	10
85	Altered Peptidase Activities in Thyroid Neoplasia and Hyperplasia. Disease Markers, 2013, 35, 825-832.	0.6	10
86	Reliability of a Method to Measure Neck Surface Electromyography, Kinematics, and Pain Occurrence in Participants With Neck Pain. Journal of Manipulative and Physiological Therapeutics, 2018, 41, 413-424.	0.4	10
87	Bone Health and Its Relationship with Impact Loading and the Continuity of Physical Activity throughout School Periods. International Journal of Environmental Research and Public Health, 2019, 16, 2834.	1.2	10
88	Overground Robotic Program Preserves Gait in Individuals With Multiple Sclerosis and Moderate to Severe Impairments: A Randomized Controlled Trial. Archives of Physical Medicine and Rehabilitation, 2021, 102, 932-939.	0.5	10
89	Influence of regression model and initial intensity of an incremental test on the relationship between the lactate threshold estimated by the maximal-deviation method and running performance. Journal of Sports Sciences, 2014, 32, 853-859.	1.0	9
90	Determinants of participation in a post-hospitalization physical exercise program for older adults. BMC Geriatrics, 2020, 20, 408.	1.1	9

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91	Protein intake, weight loss, dietary intervention, and worsening of quality of life in older patients during chemotherapy for cancer. Supportive Care in Cancer, 2021, 29, 687-696.	1.0	9
92	Relationship between negative stereotypes toward aging and multidimensional variables in older people living in two different social environments. Archives of Gerontology and Geriatrics, 2022, 98, 104567.	1.4	9
93	Estimation of lactate threshold with machine learning techniques in recreational runners. Applied Soft Computing Journal, 2018, 63, 181-196.	4.1	8
94	Myostatin as a Biomarker for Diagnosis or Prognosis of Frailty and Sarcopenia: Current Knowledge. Gerontology, 2019, 65, 385-386.	1.4	8
95	Effect of imipramine on enkephalin-degrading peptidases. European Neuropsychopharmacology, 1999, 9, 493-499.	0.3	7
96	Loss of benefits after cessation of exercise interventions in nursing home residents: randomized controlled trial follow-up. Geriatric Nursing, 2021, 42, 621-627.	0.9	7
97	Effects of Acute Benzene Exposure on Brain Enkephalin Immunostaining and Degradation. Neurotoxicology and Teratology, 1998, 20, 611-616.	1.2	6
98	Ontogeny of puromycin-sensitive and insensitive aminopeptidase activities in several subcellular fractions of the rat brain. Brain Research Bulletin, 1999, 50, 283-290.	1.4	6
99	Plasma peptidases as prognostic biomarkers in patients with first-episode psychosis. Psychiatry Research, 2015, 228, 197-202.	1.7	6
100	Modelling hospital readmissions under frailty conditions for healthy aging. Expert Systems, 2020, 37, e12437.	2.9	6
101	The relative age effect in young athletes: A countywide analysis of 9–14-year-old participants in all competitive sports. PLoS ONE, 2021, 16, e0254687.	1.1	6
102	Use of a passive lumbar back exoskeleton during a repetitive lifting task: effects on physiologic parameters and intersubject variability. International Journal of Occupational Safety and Ergonomics, 2022, 28, 2377-2384.	1.1	6
103	Effects of Resistance Training Intervention along with Leucine-Enriched Whey Protein Supplementation on Sarcopenia and Frailty in Post-Hospitalized Older Adults: Preliminary Findings of a Randomized Controlled Trial. Journal of Clinical Medicine, 2022, 11, 97.	1.0	6
104	Effect of Subacute Toluene Administration on the Enkephalinergic Neuromodulatory System in Rats and Protective Action of Ganglioside Treatments. Toxicology and Industrial Health, 1994, 10, 155-161.	0.6	5
105	Subcellular analysis of Tyr-aminopeptidase activities in the developing rat cerebellum. Developmental Brain Research, 1997, 99, 66-71.	2.1	5
106	Subcellular ontogeny of brain pyroglutamyl peptidase Iâ~†. Peptides, 2000, 21, 509-517.	1.2	5
107	Physical activity and dietary habits related to cardiovascular risk in independent community-living older women. Experimental Gerontology, 2017, 92, 46-51.	1.2	5
108	Prediction of performance by heart rate-derived parameters in recreational runners. Journal of Sports Sciences, 2018, 36, 2129-2137.	1.0	5

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109	Objectively and subjectively measured physical activity and its relation to cardiovascular risk factors in older peopleâ€"Which is most appropriate?. Maturitas, 2019, 123, 61-66.	1.0	5
110	Physical exercise interventions have no effect on serum BDNF concentration in older adults living in long-term nursing homes. Experimental Gerontology, 2020, 139, 111024.	1.2	5
111	Risk factors for prediction of delirium at hospital admittance. Expert Systems, 2022, 39, e12698.	2.9	5
112	Influence of the biomechanical variables of the gait cycle in running economy. [Influencia de variables biomecánicas del ciclo de paso en la economÃa de carrera] RICYDE Revista Internacional De Ciencias Del Deporte, 2014, 10, 95-108.	0.1	5
113	Membrane-bound tyrosine aminopeptidase activities in the rat brain throughout the estrous cycle. Life Sciences, 1996, 59, 1097-1101.	2.0	4
114	An Overground Robotic Gait Training Program for People With Multiple Sclerosis: A Protocol for a Randomized Clinical Trial. Frontiers in Medicine, 2020, 7, 238.	1.2	4
115	High serum angiotensin-converting enzyme 2 activity as a biomarker of frailty in nursing home residents. Experimental Gerontology, 2022, 158, 111655.	1.2	4
116	Replacing Sedentary Behavior With Physical Activity of Different Intensities: Implications for Physical Function, Muscle Function, and Disability in Octogenarians Living in Long-Term Care Facilities. Journal of Physical Activity and Health, 2022, 19, 329-338.	1.0	4
117	Effects of multicomponent and dual-task exercise on falls in nursing homes: The AgeingOn Dual-Task study. Maturitas, 2022, 164, 15-22.	1.0	4
118	Lys- and Leu-Aminopeptidase Activity after Acute Toluene Exposure in the Rat Brain. Toxicology and Industrial Health, 1993, 9, 511-517.	0.6	3
119	Tempo para exaustão no acúmulo de lactato sanguÃneo em corredores com diferentes habilidades atléticas. Revista Brasileira De Medicina Do Esporte, 2013, 19, 297-302.	0.1	3
120	Associations of Anthropometric Characteristics, Dietary Habits, and Aerobic Capacity With Cardiovascular Risk Factors of Health-Science Students. Biological Research for Nursing, 2018, 20, 549-557.	1.0	3
121	(Pro)renin Receptor Is Present in Human Sperm and It Adversely Affects Sperm Fertility Ability. International Journal of Molecular Sciences, 2021, 22, 3215.	1.8	3
122	Nutritional status and physical performance using handgrip and SPPB tests in hospitalized older adults. Clinical Nutrition, 2021, 40, 5547-5555.	2.3	3
123	Serum Sestrin-1 Concentration Is Higher in Frail than Non-Frail Older People Living in Nursing Homes. International Journal of Environmental Research and Public Health, 2022, 19, 1079.	1.2	3
124	Survival of Frail Elderly with Delirium. International Journal of Environmental Research and Public Health, 2022, 19, 2247.	1,2	3
125	Effects of an individualized and progressive multicomponent exercise program on blood pressure, cardiorespiratory fitness, and body composition in long-term care residents: Randomized controlled trial. Geriatric Nursing, 2022, 45, 77-84.	0.9	3
126	Effect of Swimming-to-Exhaustion Stress on the Tyr-Aminopeptidase Activity in Different Brain Areas of the Rat. International Journal of Neuroscience, 1993, 69, 137-141.	0.8	2

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127	A heuristic approach for lactate threshold estimation for training decision-making: An accessible and easy to use solution for recreational runners. European Journal of Operational Research, 2021, 291, 427-437.	3.5	2
128	The Nutritional Status of Long-Term Institutionalized Older Adults Is Associated with Functional Status, Physical Performance and Activity, and Frailty. Nutrients, 2021, 13, 3716.	1.7	2
129	Improving the Identification of Frailty in Long-Term Care Residents: A Cross-Sectional Study. Biological Research for Nursing, 2022, 24, 530-540.	1.0	2
130	Brain soluble and membrane-bound Tyr-aminopeptidase activities during the stages of estrous and proestrous in the female rat. Brain Research, 1993, 620, 146-148.	1.1	1
131	Effects of Massage and Cold Water Immersion After an Exhaustive Run on Running Economy and Biomechanics. Journal of Strength and Conditioning Research, 2019, Publish Ahead of Print, .	1.0	1
132	Sex dependent alteration of epigenetic marks after chronic morphine treatment in mice organs. Food and Chemical Toxicology, 2021, 152, 112200.	1.8	1
133	Videoconference-Based Physical Performance Tests: Reliability and Feasibility Study. International Journal of Environmental Research and Public Health, 2022, 19, 7109.	1.2	1