Catalina Santiago

List of Publications by Year in descending order

69 papers	2,038 citations	186265 28 h-index	254184 43 g-index
69 all docs	69 docs citations	69 times ranked	2386 citing authors

#	Article	IF	Citations
1	Is there an optimum endurance polygenic profile?. Journal of Physiology, 2009, 587, 1527-1534.	2.9	113
2	ACTN3 genotype in professional soccer players. British Journal of Sports Medicine, 2007, 42, 71-73.	6.7	101
3	No Evidence of a Common DNA Variant Profile Specific to World Class Endurance Athletes. PLoS ONE, 2016, 11, e0147330.	2.5	96
4	Can we identify a power-oriented polygenic profile?. Journal of Applied Physiology, 2010, 108, 561-566.	2.5	92
5	Favorable Responses to Acute and Chronic Exercise in McArdle Patients. Clinical Journal of Sport Medicine, 2007, 17, 297-303.	1.8	85
6	World-class performance in lightweight rowing: is it genetically influenced? A comparison with cyclists, runners and non-athletes. British Journal of Sports Medicine, 2010, 44, 898-901.	6.7	71
7	The K153R Polymorphism in the Myostatin Gene and Muscle Power Phenotypes in Young, Non-Athletic Men. PLoS ONE, 2011, 6, e16323.	2.5	67
8	Follow-up in healthy schoolchildren and in adolescents with DOWN syndrome: psycho-environmental and genetic determinants of physical activity and its impact on fitness, cardiovascular diseases, inflammatory biomarkers and mental health; the UP&DOWN Study. BMC Public Health, 2014, 14, 400.	2.9	67
9	ApoE gene and exceptional longevity: Insights from three independent cohorts. Experimental Gerontology, 2014, 53, 16-23.	2.8	66
10	Does the polygenic profile determine the potential for becoming a worldâ€class athlete? Insights from the sport of rowing. Scandinavian Journal of Medicine and Science in Sports, 2010, 20, e188-94.	2.9	55
11	The â^'786 T/C polymorphism of the NOS3 gene is associated with elite performance in power sports. European Journal of Applied Physiology, 2009, 107, 565-569.	2.5	53
12	ACTN3 R577X polymorphism does not influence explosive leg muscle power in elite volleyball players. Scandinavian Journal of Medicine and Science in Sports, 2011, 21, e34-41.	2.9	51
13	Citius and longius (faster and longer) with no Â-actinin-3 in skeletal muscles?. British Journal of Sports Medicine, 2007, 41, 616-617.	6.7	48
14	â€˜Smoking Genesâ€™: A Genetic Association Study. PLoS ONE, 2011, 6, e26668.	2.5	48
15	The C allele of the AGT Met235Thr polymorphism is associated with power sports performance. Applied Physiology, Nutrition and Metabolism, 2009, 34, 1108-1111.	1.9	46
16	The â^'174 G/C polymorphism of the IL6 gene is associated with elite power performance. Journal of Science and Medicine in Sport, 2010, 13, 549-553.	1.3	43
17	Can we predict topâ€level sports performance in power vs endurance events? A genetic approach. Scandinavian Journal of Medicine and Science in Sports, 2011, 21, 570-579.	2.9	42
18	Genotype modulators of clinical severity in McArdle disease. Neuroscience Letters, 2007, 422, 217-222.	2.1	40

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19	Effects of cigarette smoking and nicotine metabolite ratio on leukocyte telomere length.. Environmental Research, 2015, 140, 488-494.	7.5	38
20	Cardiorespiratory Fitness Cutoff Points for Early Detection of Present and Future Cardiovascular Risk in Children. Mayo Clinic Proceedings, 2017, 92, 1753-1762.	3.0	37
21	Is there an association between ACTN3 R577X polymorphism and muscle power phenotypes in young, non-athletic adults?. Scandinavian Journal of Medicine and Science in Sports, 2010, 20, 771-778.	2.9	36
22	Single and combined influence of ACE and ACTN3 genotypes on muscle phenotypes in octogenarians. European Journal of Applied Physiology, 2012, 112, 2409-2420.	2.5	33
23	Genetic predisposition to acute kidney injury induced by severe sepsis. Journal of Critical Care, 2013, 28, 365-370.	2.2	33
24	The 577X allele of the ACTN3 gene is associated with improved exercise capacity in women with McArdleâ€™s disease. Neuromuscular Disorders, 2007, 17, 603-610.	0.6	32
25	Does the ACE I/D polymorphism, alone or in combination with the ACTN3 R577X polymorphism, influence muscle power phenotypes in young, non-athletic adults?. European Journal of Applied Physiology, 2010, 110, 1099-1106.	2.5	31
26	ACTN3 R577X Polymorphism and Explosive Leg-Muscle Power in Elite Basketball Players. International Journal of Sports Physiology and Performance, 2014, 9, 226-232.	2.3	31
27	Muscle Fitness Cut Points for Early Assessment of Cardiovascular Risk in Children and Adolescents. Journal of Pediatrics, 2019, 206, 134-141.e3.	1.8	31
28	Trp64Arg polymorphism in ADRB3 gene is associated with elite endurance performance. British Journal of Sports Medicine, 2011, 45, 147-149.	6.7	29
29	The K153R variant in the myostatin gene and sarcopenia at the end of the human lifespan. Age, 2010, 32, 405-409.	3.0	28
30	The â€˜yeast cell wall chipâ€™ â€“ a tool to analyse the regulation of cell wall biogenesis in Saccharomyces cerevisiae. Microbiology (United Kingdom), 2005, 151, 2241-2249.	1.8	27
31	Does complete deficiency of muscle Â actinin 3 alter functional capacity in elderly women? A preliminary report. British Journal of Sports Medicine, 2006, 40, e1-e1.	6.7	25
32	Are â€˜Enduranceâ€™ Alleles â€˜Survivalâ€™ Alleles? Insights from the ACTN3 R577X Polymorphism. PLoS ONE, 2011, 6, e17558.	2.5	25
33	The rs12594956 polymorphism in the NRF-2 gene is associated with top-level Spanish athlete's performance status. Journal of Science and Medicine in Sport, 2013, 16, 135-139.	1.3	24
34	Unique among unique. Is it genetically determined?. British Journal of Sports Medicine, 2009, 43, 307-309.	6.7	23
35	Genetic Predisposition to Acute Respiratory Distress Syndrome in Patients With Severe Sepsis. Shock, 2013, 39, 255-260.	2.1	23
36	Is the â^'174 C/G polymorphism of theIL6gene associated with elite power performance? A replication study with two different Caucasian cohorts. Experimental Physiology, 2011, 96, 156-162.	2.0	22

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37	Are elite endurance athletes genetically predisposed to lower disease risk?. Physiological Genomics, 2010, 41, 82-90.	2.3	21
38	A Novel, Single Algorithm Approach to Predict Acenocoumarol Dose Based on CYP2C9 and VKORC1 Allele Variants. PLoS ONE, 2010, 5, e11210.	2.5	20
39	The I allele of the ACE gene is associated with improved exercise capacity in women with McArdle disease. British Journal of Sports Medicine, 2007, 42, 134-140.	6.7	19
40	<scp>ACTN3</scp> genotype in Spanish elite swimmers: No â€œheterozygous advantageâ€• Scandinavian Journal of Medicine and Science in Sports, 2013, 23, e162-7.	2.9	19
41	Telomere Length in Elite Athletes. International Journal of Sports Physiology and Performance, 2017, 12, 994-996.	2.3	19
42	STR genetic diversity in a Mediterranean population from the south of the Iberian Peninsula. Annals of Human Biology, 2010, 37, 254-267.	1.0	18
43	Are Calcineurin Genes Associated with Athletic Status? A Function, Replication Study. Medicine and Science in Sports and Exercise, 2011, 43, 1433-1440.	0.4	18
44	Red BullÂ® energy drink increases consumption of higher concentrations of alcohol. Addiction Biology, 2018, 23, 1094-1105.	2.6	17
45	Exome sequencing of three cases of familial exceptional longevity. Aging Cell, 2014, 13, 1087-1090.	6.7	16
46	Are centenarians genetically predisposed to lower disease risk?. Age, 2012, 34, 1269-1283.	3.0	15
47	FNDC5 (irisin) gene and exceptional longevity: a functional replication study with rs16835198 and rs726344 SNPs. Age, 2014, 36, 9733.	3.0	15
48	Is the ACE I/D polymorphism associated with extreme longevity? A study on a Spanish cohort. JRAAS - Journal of the Renin-Angiotensin-Aldosterone System, 2011, 12, 202-207.	1.7	13
49	Are Serotonergic System Genes Associated to Smoking Cessation Therapy Success in Addition to CYP2A6?. Pharmacopsychiatry, 2014, 47, 33-36.	3.3	13
50	Association of the Genetic Polymorphisms of the Renin-Angiotensin System With Kidney Graft Long-Term Outcome: Preliminary Results. Transplantation Proceedings, 2005, 37, 3716-3717.	0.6	10
51	Pharmacogenetics of acenocoumarol: CYP2C9 *2 and VKORC1 c.-1639G>A, 497C>G, 1173C>T, and 3730G>A variants influence drug dose in anticoagulated patients. Thrombosis and Haemostasis, 2009, 101, 591-593.	3.4	10
52	No Association Between ACTN3 R577X Polymorphism and Elite Judo Athletic Status. International Journal of Sports Physiology and Performance, 2013, 8, 579-581.	2.3	10
53	Genetic variations associated with nonâ€contact muscle injuries in sport: A systematic review. Scandinavian Journal of Medicine and Science in Sports, 2021, 31, 2014-2032.	2.9	9
54	Acyl Coenzyme A Synthetase Long-Chain 1 (ACSL1) Gene Polymorphism (rs6552828) and Elite Endurance Athletic Status: A Replication Study. PLoS ONE, 2012, 7, e41268.	2.5	8

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55	Effect of Genetic Polymorphisms and Long-Term Tobacco Exposure on the Risk of Breast Cancer. International Journal of Molecular Sciences, 2016, 17, 1726.	4.1	7
56	Does the K153R variant of the myostatin gene influence the clinical presentation of women with McArdle disease?. Neuromuscular Disorders, 2009, 19, 220-222.	0.6	6
57	PTK2 rs7460 and rs7843014 Polymorphisms and Exceptional Longevity: A Functional Replication Study. Rejuvenation Research, 2014, 17, 430-438.	1.8	6
58	Physical-Capacity-Related Genetic Polymorphisms in Children with Cystic Fibrosis. Pediatric Exercise Science, 2015, 27, 102-112.	1.0	6
59	Acute Impacts of Different Types of Exercise on Circulating Î±-Klotho Protein Levels. Frontiers in Physiology, 2021, 12, 716473.	2.8	6
60	Mitochondriogenesis Genes and Extreme Longevity. Rejuvenation Research, 2013, 16, 67-73.	1.8	4
61	A Paradox: Î±-Klotho Levels and Smoking Intensity. Lung, 2017, 195, 53-57.	3.3	4
62	Are SNP-Smoking Association Studies Needed in Controls? DNA Repair Gene Polymorphisms and Smoking Intensity. PLoS ONE, 2015, 10, e0129374.	2.5	4
63	CYP2D6polymorphism screening in a selected population of Spain (La Alpujarra): No effect of geographical isolation. Annals of Human Biology, 2010, 37, 268-274.	1.0	3
64	Pharmacogenetics of acenocoumarol: CYP2C9 *2 and VKORC1 c.-1639G>A, 497C>G, 1173C>T, and 3730G>A variants influence drug dose in anticoagulated patients. Thrombosis and Haemostasis, 2009, 101, 591-3.	3.4	3
65	Identification of CYP2D6 null variants among longâ€stay, chronic psychiatric inpatients: Is it strictly necessary?. Human Psychopharmacology, 2008, 23, 533-536.	1.5	2
66	The Effect of Polymorphisms in DNA Repair Genes and Carcinogen Metabolizers on Leukocyte Telomere Length: A Cohort of Healthy Spanish Smokers. Nicotine and Tobacco Research, 2016, 18, 447-452.	2.6	2
67	Association of HTR2A-1438G/A Genetic Polymorphism With Smoking and Chronic Obstructive Pulmonary Disease. Archivos De Bronconeumologia, 2019, 55, 128-133.	0.8	2
68	Genetic variants in the PPARD-PPARGC1A-NRF-TFAM mitochondriogenesis pathway are neither associated with muscle characteristics nor physical performance in elderly. [Variaciones genÃ©ticas en la vÃa de la mitocondriogÃ©nesis PPARD-PPARGC1A-NRF-TFAM no estÃ¡n asociadas ni con caracterÃsticas musculares ni con rendimiento fÃsico en personas mayores].. RICYDE Revista Internacional De Ciencias Del Deporte, 2015, 11, 196-208.	0.2	1
69	Association of HTR2A-1438G/A Genetic Polymorphism With Smoking and Chronic Obstructive Pulmonary Disease. Archivos De Bronconeumologia, 2019, 55, 128-133.	0.8	0