

# Antnio J Silva

## List of Publications by Citations

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118  
papers

2,102  
citations

25  
h-index

39  
g-index

126  
ext. papers

2,487  
ext. citations

2.3  
avg, IF

4.61  
L-index

#	Paper	IF	Citations
118	Energetics and biomechanics as determining factors of swimming performance: updating the state of the art. <i>Journal of Science and Medicine in Sport</i> , <b>2010</b> , 13, 262-9	4.4	149
117	Accuracy, reliability, linearity of Accutrend and Lactate Pro versus EBIO plus analyzer. <i>European Journal of Applied Physiology</i> , <b>2009</b> , 107, 105-11	3.4	112
116	A systematic review of the effects of pilates method of exercise in healthy people. <i>Archives of Physical Medicine and Rehabilitation</i> , <b>2011</b> , 92, 2071-81	2.8	91
115	Effects of high-speed power training on functional capacity and muscle performance in older women. <i>Experimental Gerontology</i> , <b>2012</b> , 47, 250-5	4.5	84
114	The effect of swimmer's hand/forearm acceleration on propulsive forces generation using computational fluid dynamics. <i>Journal of Biomechanics</i> , <b>2006</b> , 39, 1239-48	2.9	77
113	Fat-free mass, strength, and sarcopenia are related to bone mineral density in older women. <i>Journal of Clinical Densitometry</i> , <b>2009</b> , 12, 35-41	3.5	69
112	Hydrodynamic drag during gliding in swimming. <i>Journal of Applied Biomechanics</i> , <b>2009</b> , 25, 253-7	1.2	54
111	Association between ACE D allele and elite short distance swimming. <i>European Journal of Applied Physiology</i> , <b>2009</b> , 106, 785-90	3.4	46
110	Physical exercise and reduction of pain in adults with lower limb osteoarthritis: a systematic review. <i>Journal of Back and Musculoskeletal Rehabilitation</i> , <b>2010</b> , 23, 175-86	1.4	44
109	Modeling the links between young swimmers' performance: energetic and biomechanic profiles. <i>Pediatric Exercise Science</i> , <b>2010</b> , 22, 379-91	2	44
108	Genetic inheritance effects on endurance and muscle strength: an update. <i>Sports Medicine</i> , <b>2012</b> , 42, 449-58	10.6	41
107	Swimming propulsion forces are enhanced by a small finger spread. <i>Journal of Applied Biomechanics</i> , <b>2010</b> , 26, 87-92	1.2	41
106	Physiological assessment of head-out aquatic exercises in healthy subjects: a qualitative review. <i>Journal of Sports Science and Medicine</i> , <b>2009</b> , 8, 179-89	2.7	39
105	Stability of elite freestyle performance from childhood to adulthood. <i>Journal of Sports Sciences</i> , <b>2011</b> , 29, 1183-9	3.6	37
104	Linking selected kinematic, anthropometric and hydrodynamic variables to young swimmer performance. <i>Pediatric Exercise Science</i> , <b>2012</b> , 24, 649-64	2	36
103	Determination of the drag coefficient during the first and second gliding positions of the breaststroke underwater stroke. <i>Journal of Applied Biomechanics</i> , <b>2010</b> , 26, 324-31	1.2	36
102	ACE I/D and ACTN3 R/X polymorphisms as potential factors in modulating exercise-related phenotypes in older women in response to a muscle power training stimuli. <i>Age</i> , <b>2013</b> , 35, 1949-59		34

101	Muscle performance and functional capacity retention in older women after high-speed power training cessation. <i>Experimental Gerontology</i> , <b>2012</b> , 47, 620-4	4.5	33
100	Does combined dry land strength and aerobic training inhibit performance of young competitive swimmers?. <i>Journal of Sports Science and Medicine</i> , <b>2010</b> , 9, 300-10	2.7	31
99	Relationships between dry land strength, power variables and short sprint performance in young competitive swimmers. <i>Journal of Human Sport and Exercise</i> , <b>2010</b> , 5, 240-249	1.5	30
98	Effects of Pilates-based exercise on life satisfaction, physical self-concept and health status in adult women. <i>Women and Health</i> , <b>2011</b> , 51, 240-55	1.7	29
97	Behavioral, contextual and biological factors associated with obesity during adolescence: A systematic review. <i>PLoS ONE</i> , <b>2019</b> , 14, e0214941	3.7	28
96	Shoulder rotator cuff balance, strength, and endurance in young swimmers during a competitive season. <i>Journal of Strength and Conditioning Research</i> , <b>2013</b> , 27, 2562-8	3.2	28
95	Longitudinal interventions in elite swimming: a systematic review based on energetics, biomechanics, and performance. <i>Journal of Strength and Conditioning Research</i> , <b>2012</b> , 26, 2006-16	3.2	28
94	Kinematical changes in swimming front Crawl and Breaststroke with the AquaTrainer snorkel. <i>European Journal of Applied Physiology</i> , <b>2010</b> , 109, 1155-62	3.4	26
93	Determinant Factors of Long-Term Performance Development in Young Swimmers. <i>International Journal of Sports Physiology and Performance</i> , <b>2017</b> , 12, 198-205	3.5	25
92	Does pilates-based exercise improve postural alignment in adult women?. <i>Women and Health</i> , <b>2013</b> , 53, 597-611	1.7	24
91	Examining the accumulated oxygen deficit method in front crawl swimming. <i>International Journal of Sports Medicine</i> , <b>2010</b> , 31, 421-7	3.6	24
90	Longitudinal modeling in sports: young swimmers' performance and biomechanics profile. <i>Human Movement Science</i> , <b>2014</b> , 37, 111-22	2.4	23
89	The influence of anthropometric, kinematic and energetic variables and gender on swimming performance in youth athletes. <i>Journal of Human Kinetics</i> , <b>2013</b> , 39, 203-11	2.6	22
88	Morphometric study for estimation and validation of trunk transverse surface area to assess human drag force on water. <i>Journal of Human Kinetics</i> , <b>2011</b> , 28, 5-13	2.6	22
87	The influence of the level of physical activity and human development in the quality of life in survivors of stroke. <i>Health and Quality of Life Outcomes</i> , <b>2011</b> , 9, 89	3	22
86	The Hydrodynamic Study of the Swimming Gliding: a Two-Dimensional Computational Fluid Dynamics (CFD) Analysis. <i>Journal of Human Kinetics</i> , <b>2011</b> , 29, 49-57	2.6	22
85	The influence of resistance exercise training on the levels of anxiety in ischemic stroke. <i>Stroke Research and Treatment</i> , <b>2012</b> , 2012, 298375	1.7	22
84	Tracking the performance of world-ranked swimmers. <i>Journal of Sports Science and Medicine</i> , <b>2010</b> , 9, 411-7	2.7	22

83	High level swimming performance and its relation to non-specific parameters: a cross-sectional study on maximum handgrip isometric strength. <i>Perceptual and Motor Skills</i> , <b>2012</b> , 114, 936-48	2.2	20
82	The interaction between intra-cyclic variation of the velocity and mean swimming velocity in young competitive swimmers. <i>International Journal of Sports Medicine</i> , <b>2013</b> , 34, 123-30	3.6	20
81	Effects of musical cadence in the acute physiologic adaptations to head-out aquatic exercises. <i>Journal of Strength and Conditioning Research</i> , <b>2010</b> , 24, 244-50	3.2	20
80	Hydrodynamic analysis of different thumb positions in swimming. <i>Journal of Sports Science and Medicine</i> , <b>2009</b> , 8, 58-66	2.7	20
79	Can 8-weeks of Training Affect Active Drag in Young Swimmers?. <i>Journal of Sports Science and Medicine</i> , <b>2010</b> , 9, 71-8	2.7	19
78	Growth influences biomechanical profile of talented swimmers during the summer break. <i>Sports Biomechanics</i> , <b>2014</b> , 13, 62-74	2.2	17
77	Tracking the performance, energetics and biomechanics of international versus national level swimmers during a competitive season. <i>European Journal of Applied Physiology</i> , <b>2012</b> , 112, 811-20	3.4	17
76	The Effect of Depth on Drag During the Streamlined Glide: A Three-Dimensional CFD Analysis. <i>Journal of Human Kinetics</i> , <b>2012</b> , 33, 55-62	2.6	17
75	Monitoring Accumulated Training and Match Load in Football: A Systematic Review. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	17
74	Does a land-based compensatory strength-training programme influences the rotator cuff balance of young competitive swimmers?. <i>European Journal of Sport Science</i> , <b>2015</b> , 15, 764-72	3.9	16
73	Does a water-training macrocycle really create imbalances in swimmers' shoulder rotator muscles?. <i>European Journal of Sport Science</i> , <b>2015</b> , 15, 167-72	3.9	16
72	Characterization of speed fluctuation and drag force in young swimmers: a gender comparison. <i>Human Movement Science</i> , <b>2013</b> , 32, 1214-25	2.4	16
71	Three-dimensional CFD analysis of the hand and forearm in swimming. <i>Journal of Applied Biomechanics</i> , <b>2011</b> , 27, 74-80	1.2	16
70	VO <sub>2</sub> kinetics in 200-m race-pace front crawl swimming. <i>International Journal of Sports Medicine</i> , <b>2011</b> , 32, 765-70	3.6	15
69	The transfer of strength and power into the stroke biomechanics of young swimmers over a 34-week period. <i>European Journal of Sport Science</i> , <b>2018</b> , 18, 787-795	3.9	14
68	The influence of ACE ID and ACTN3 R577X polymorphisms on lower-extremity function in older women in response to high-speed power training. <i>BMC Geriatrics</i> , <b>2013</b> , 13, 131	4.1	14
67	Physical growth of schoolchildren from the Jequitinhonha Valley, Minas Gerais, Brazil: Comparison with the CDC-2000 reference using the LMS method. <i>Annals of Human Biology</i> , <b>2010</b> , 37, 574-84	1.7	14
66	Evidence for higher heritability of somatotype compared to body mass index in female twins. <i>Journal of Physiological Anthropology</i> , <b>2007</b> , 26, 9-14	2.5	14

65	Effect of wearing a swimsuit on hydrodynamic drag of swimmer. <i>Brazilian Archives of Biology and Technology</i> , <b>2012</b> , 55, 851-856	1.8	13
64	Modelling the relationship between biomechanics and performance of young sprinting swimmers. <i>European Journal of Sport Science</i> , <b>2016</b> , 16, 661-8	3.9	13
63	Assessment of passive drag in swimming by numerical simulation and analytical procedure. <i>Journal of Sports Sciences</i> , <b>2018</b> , 36, 492-498	3.6	12
62	Does an in-season detraining period affect the shoulder rotator cuff strength and balance of young swimmers?. <i>Journal of Strength and Conditioning Research</i> , <b>2014</b> , 28, 2054-62	3.2	12
61	Cluster stability as a new method to assess changes in performance and its determinant factors over a season in young swimmers. <i>International Journal of Sports Physiology and Performance</i> , <b>2015</b> , 10, 261-8	3.5	12
60	Influence of exercise order on muscle damage during moderate-intensity resistance exercise and recovery. <i>Research in Sports Medicine</i> , <b>2013</b> , 21, 176-86	3.8	12
59	Computational fluid dynamics study of swimmer's hand velocity, orientation, and shape: contributions to hydrodynamics. <i>BioMed Research International</i> , <b>2013</b> , 2013, 140487	3	12
58	Examining the accumulated oxygen deficit method in breaststroke swimming. <i>European Journal of Applied Physiology</i> , <b>2010</b> , 109, 1129-35	3.4	12
57	Health-related physical fitness is associated with selected sociodemographic and behavioral factors in Brazilian school children. <i>Journal of Physical Activity and Health</i> , <b>2012</b> , 9, 473-80	2.5	11
56	Aptidão física relacionada saúde de escolares: programa fitnessgram. <i>Revista Brasileira De Medicina Do Esporte</i> , <b>2012</b> , 18, 72-76	0.5	11
55	Effects of swim training on energetics and performance. <i>International Journal of Sports Medicine</i> , <b>2013</b> , 34, 507-13	3.6	11
54	Computational fluid dynamics vs. inverse dynamics methods to determine passive drag in two breaststroke glide positions. <i>Journal of Biomechanics</i> , <b>2015</b> , 48, 2221-6	2.9	9
53	Hydrodynamic analysis of different finger positions in swimming: a computational fluid dynamics approach. <i>Journal of Applied Biomechanics</i> , <b>2015</b> , 31, 48-55	1.2	9
52	The Effect of Warm-up on Tethered Front Crawl Swimming Forces. <i>Journal of Human Kinetics</i> , <b>2011</b> , 29A, 113-9	2.6	8
51	The influence of musical cadence into aquatic jumping jacks kinematics. <i>Journal of Sports Science and Medicine</i> , <b>2011</b> , 10, 607-15	2.7	8
50	Swimming Simulation: A New Tool for Swimming Research and Practical Applications. <i>Lecture Notes in Computational Science and Engineering</i> , <b>2009</b> , 33-61	0.3	8
49	Young swimmers' classification based on kinematics, hydrodynamics, and anthropometrics. <i>Journal of Applied Biomechanics</i> , <b>2014</b> , 30, 310-5	1.2	7
48	Effects of a Process-Oriented Goal Setting Model on Swimmer's Performance. <i>Journal of Human Kinetics</i> , <b>2012</b> , 32, 65-76	2.6	7

47	Longitudinal study in male swimmers: a hierarchical modeling of energetics and biomechanical contributions for performance. <i>Journal of Sports Science and Medicine</i> , <b>2013</b> , 12, 614-22	2.7	7
46	In-Water and On-Land Swimmers' Symmetry and Force Production. <i>International Journal of Environmental Research and Public Health</i> , <b>2019</b> , 16,	4.6	7
45	The somatotype and dermatoglyphic profiles of adult, junior and juvenile male Brazilian top-level volleyball players. <i>Science and Sports</i> , <b>2010</b> , 25, 146-152	0.8	6
44	Wave characteristics in breaststroke technique with and without snorkel use. <i>Journal of Human Kinetics</i> , <b>2013</b> , 39, 185-94	2.6	5
43	How Informative are the Vertical Buoyancy and the Prone Gliding Tests to Assess Young Swimmers' Hydrostatic and Hydrodynamic Profiles?. <i>Journal of Human Kinetics</i> , <b>2012</b> , 32, 21-32	2.6	5
42	Numerical Analysis of Convective Heat Transfer in Nanofluid <b>2008</b> ,		5
41	3-D Computational FluidDynamics of the Hand and Forearm in Swimming. <i>Medicine and Science in Sports and Exercise</i> , <b>2007</b> , 39, S9	1.2	5
40	Effect of a specific concurrent water and dry-land training over a season in young swimmers's performance. <i>International Journal of Performance Analysis in Sport</i> , <b>2016</b> , 16, 760-775	1.8	4
39	Numerical simulation of two-phase flow around flatwater competition kayak design-evolution models. <i>Journal of Applied Biomechanics</i> , <b>2013</b> , 29, 270-8	1.2	4
38	Physical activity and determinants of sedentary behavior in Brazilian adolescents from an underdeveloped region. <i>Perceptual and Motor Skills</i> , <b>2012</b> , 114, 542-52	2.2	4
37	Deep and shallow water effects on developing preschoolers' aquatic skills. <i>Journal of Human Kinetics</i> , <b>2012</b> , 32, 211-9	2.6	4
36	Can the curriculum be used to estimate critical velocity in young competitive swimmers?. <i>Journal of Sports Science and Medicine</i> , <b>2009</b> , 8, 17-23	2.7	4
35	13th FINA world championships: analysis of swimsuits used by elite male swimmers. <i>Journal of Human Sport and Exercise</i> , <b>2011</b> , 6, 87-93	1.5	4
34	Influence of regular soccer or swimming practice on gross motor development in childhood. <i>Motricidade</i> , <b>2017</b> , 12, 33	0	4
33	Data Modeling for Inter- and Intra-Individual Stability of Young Swimmers' Performance: A Longitudinal Cluster Analysis. <i>Research Quarterly for Exercise and Sport</i> , <b>2021</b> , 92, 21-33	1.9	4
32	Assessment of isometric strength of the shoulder rotators in swimmers using a handheld dynamometer: a reliability study. <i>Acta of Bioengineering and Biomechanics</i> , <b>2018</b> , 20, 113-119	0.6	4
31	The 3D CFD study of gliding swimmer on passive hydrodynamics drag. <i>Brazilian Archives of Biology and Technology</i> , <b>2014</b> , 57, 302-308	1.8	3
30	Reproducibility of an aerobic endurance test for nonexpert swimmers. <i>Journal of Multidisciplinary Healthcare</i> , <b>2012</b> , 5, 215-21	2.8	3

29	Estimating the Trunk Transverse Surface Area to Assess Swimmer's Drag Force Based on their Competitive Level. <i>Journal of Human Kinetics</i> , <b>2012</b> , 32, 9-19	2.6	3
28	Perceived and Real Aquatic Competence in Children from 6 to 10 Years Old. <i>International Journal of Environmental Research and Public Health</i> , <b>2020</b> , 17,	4.6	3
27	Quantifying Sub-Elite Youth Football Weekly Training Load and Recovery Variation. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 4871	2.6	3
26	The effect of the start and finish in the 50 m and 100 m freestyle performance in elite male swimmers. <i>International Journal of Performance Analysis in Sport</i> , 1-14	1.8	3
25	Longitudinal intra- and inter-individual variability in young swimmers' performance and determinant competition factors. <i>Motriz Revista De Educacao Fisica</i> , <b>2014</b> , 20, 292-302	0.9	2
24	Force production and spatial arm coordination profile in arm crawl swimming in a fixed position. <i>Acta Physiologica Hungarica</i> , <b>2010</b> , 97, 385-92		2
23	L'analyse des paramètres de performances du sport de lancement du disque. <i>Science and Sports</i> , <b>2007</b> , 22, 14-19	0.8	2
22	Study of the Propulsive Potential of the Hand and Forearm in Swimming. <i>Medicine and Science in Sports and Exercise</i> , <b>2008</b> , 40, S212	1.2	2
21	Design of a three-dimensional hand/forearm model to apply computational fluid dynamics. <i>Brazilian Archives of Biology and Technology</i> , <b>2010</b> , 53, 436-442	1.8	2
20	A model for active drag force exogenous variables in young swimmers. <i>Journal of Human Sport and Exercise</i> , <b>2010</b> , 5, 379-388	1.5	2
19	The Acute Effects of a Swimming Session on the Shoulder Rotators Strength and Balance of Age Group Swimmers. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	2
18	The computational fluid dynamics study of orientation effects of oar-blade. <i>Journal of Applied Biomechanics</i> , <b>2013</b> , 29, 23-32	1.2	1
17	A computational fluid dynamics study of propulsion due to the orientation effects of swimmer's hand. <i>Journal of Applied Biomechanics</i> , <b>2013</b> , 29, 817-23	1.2	1
16	Study of external air flow for an AURORA. <i>Aircraft Engineering and Aerospace Technology</i> , <b>2011</b> , 83, 255-265		1
15	Análise dos parâmetros cinemáticos determinantes do desempenho na prova de 200 m nado livre. <i>Motriz Revista De Educacao Fisica</i> , <b>2012</b> , 18, 366-377	0.9	1
14	Observação e caracterização técnica em natação pura desportiva: 200 m bruços. <i>Revista Brasileira De Medicina Do Esporte</i> , <b>2013</b> , 19, 56-61	0.5	1
13	Young Swimmers' Anthropometrics, Biomechanics, Energetics, and Efficiency as Underlying Performance Factors: A Systematic Narrative Review. <i>Frontiers in Physiology</i> , <b>2021</b> , 12, 691919	4.6	1
12	Effects of Chronological Age, Relative Age, and Maturation Status on Accumulated Training Load and Perceived Exertion in Young Sub-Elite Football Players.. <i>Frontiers in Physiology</i> , <b>2022</b> , 13, 832202	4.6	1

11	Analysis of wind velocity and release angle effects on discus throw using computational fluid dynamics. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , <b>2013</b> , 16, 73-80	2.1	○
10	Development of a Measurement System for Assessment of Bubble Production of Seagrass <b>2018</b> , 403-415		○
9	Numerical Simulation of Viscous Flow Around Kayak: A Comparison of Different Design Models. <i>Lecture Notes in Computational Vision and Biomechanics</i> , <b>2013</b> , 193-204	0.3	
8	L'étude de la main et de l'avant-bras d'un nageur de compétition utilisant le modèle de la dynamique des fluides. <i>Science and Sports</i> , <b>2009</b> , 24, 253-256	0.8	
7	Oxygen Kinetics In A 200-m Front Crawl Maximal Swimming Effort. <i>Medicine and Science in Sports and Exercise</i> , <b>2010</b> , 42, 23-24	1.2	
6	Asthma Incidence Symptoms And Swimming Practice In Children. <i>Medicine and Science in Sports and Exercise</i> , <b>2010</b> , 42, 510	1.2	
5	The Relationship Of Anthropometrical Characteristics And Performance In Junior International Level Swimmers. <i>Medicine and Science in Sports and Exercise</i> , <b>2010</b> , 42, 551	1.2	
4	The Effect Of Depth On Drag During The Gliding Phase In Swimming. <i>Medicine and Science in Sports and Exercise</i> , <b>2010</b> , 42, 36	1.2	
3	A Path-flow Analysis Model For Active Drag Force Determinant Variables In Age-group Swimmers. <i>Medicine and Science in Sports and Exercise</i> , <b>2010</b> , 42, 687-688	1.2	
2	Is Front Crawl Swimming Performance Affected By Hydrodynamic Drag In Young Swimmers?. <i>Medicine and Science in Sports and Exercise</i> , <b>2010</b> , 42, 690	1.2	
1	The Influence of the Thumb Position in the Propulsive Force Production in Swimming. <i>Medicine and Science in Sports and Exercise</i> , <b>2008</b> , 40, S49	1.2	