

# Antônio P Veloso

## List of Publications by Year in descending order

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92  
papers

1,214  
citations

394421

19  
h-index

434195

31  
g-index

96  
all docs

96  
docs citations

96  
times ranked

1474  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of Upper Limb Joint Contribution to Racket Head Speed in Elite Tennis Players Using IMU Sensors: Comparison between the Cross-Court and Inside-Out Attacking Forehand Drive. <i>Sensors</i> , 2022, 22, 1283.	3.8	9
2	A Review of Additive Manufacturing Studies for Producing Customized Ankle-Foot Orthoses. <i>Bioengineering</i> , 2022, 9, 249.	3.5	10
3	Gait Analysis in Children with Cerebral Palsy: Are Plantar Pressure Insoles a Reliable Tool?. <i>Sensors</i> , 2022, 22, 5234.	3.8	3
4	Intermuscular Coordination in the Power Clean Exercise: Comparison between Olympic Weightlifters and Untrained Individuals – A Preliminary Study. <i>Sensors</i> , 2021, 21, 1904.	3.8	6
5	Concurrent validity of an inertial measurement system in tennis forehand drive. <i>Journal of Biomechanics</i> , 2021, 121, 110410.	2.1	13
6	Concurrent Validation of 3D Joint Angles during Gymnastics Techniques Using Inertial Measurement Units. <i>Electronics (Switzerland)</i> , 2021, 10, 1251.	3.1	5
7	Validation of quantitative gait analysis systems for Parkinson’s disease for use in supervised and unsupervised environments. <i>BMC Neurology</i> , 2021, 21, 331.	1.8	11
8	Modeling the musculoskeletal loading in bone remodeling at the hip of a child. <i>Computer Methods and Programs in Biomedicine</i> , 2021, 210, 106365.	4.7	3
9	Predictive Factors of Short-Term Related Musculoskeletal Pain in the Automotive Industry. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 13062.	2.6	4
10	Muscle contributions to maximal single-leg forward braking and backward acceleration in elite athletes. <i>Journal of Biomechanics</i> , 2020, 112, 110047.	2.1	3
11	Muscle Synergies Reliability in the Power Clean Exercise. <i>Journal of Functional Morphology and Kinesiology</i> , 2020, 5, 75.	2.4	5
12	Responsiveness of the Calf-Raise Senior test in community-dwelling older adults undergoing an exercise intervention program. <i>PLoS ONE</i> , 2020, 15, e0231556.	2.5	3
13	Differences Between Static and Dynamical Optimization Methods in Musculoskeletal Modeling Estimations to Study Elite Athletes. <i>Lecture Notes in Computational Vision and Biomechanics</i> , 2020, , 624-631.	0.5	1
14	Title is missing!. , 2020, 15, e0231556.		0
15	Title is missing!. , 2020, 15, e0231556.		0
16	Title is missing!. , 2020, 15, e0231556.		0
17	Title is missing!. , 2020, 15, e0231556.		0
18	Blood Flow Restriction Alters Motor Unit Behavior During Resistance Exercise. <i>International Journal of Sports Medicine</i> , 2019, 40, 555-562.	1.7	22

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19	Sheep Gait Biomechanics and the Assessment of Musculoskeletal Conditions: A Systematic Review. <i>Applied Mechanics and Materials</i> , 2019, 890, 248-259.	0.2	0
20	Preliminary Feasibility Study to Measure the Immediate Changes of Bilateral Asymmetry After Lumbar Spinal Manipulative Therapy in Asymptomatic Athletes. <i>Journal of Chiropractic Medicine</i> , 2019, 18, 205-212.	0.7	1
21	Diastasis Recti During Pregnancy and Postpartum. <i>Lecture Notes in Computational Vision and Biomechanics</i> , 2018, , 121-132.	0.5	6
22	The effects of a single session of lumbar spinal manipulative therapy in terms of physical performance test symmetry in asymptomatic athletes: a single-blinded, randomised controlled study.. <i>BMJ Open Sport and Exercise Medicine</i> , 2018, 4, e000389.	2.9	5
23	Effect of 6-month community-based exercise interventions on gait and functional fitness of an older population: a quasi-experimental study. <i>Clinical Interventions in Aging</i> , 2018, Volume 13, 595-606.	2.9	13
24	P 153 - Variability of gait parameters in children: The importance of normative data establishment. <i>Gait and Posture</i> , 2018, 65, 488-489.	1.4	0
25	Influence of full range of motion vs. equalized partial range of motion training on muscle architecture and mechanical properties. <i>European Journal of Applied Physiology</i> , 2018, 118, 1969-1983.	2.5	35
26	Biomechanics modeling for functional analysis: Sheep model. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	0
27	Joint momentsâ€™ contributions to vertically accelerate the center of mass during stair ambulation in the elderly: An induced acceleration approach. <i>Journal of Biomechanics</i> , 2018, 79, 105-111.	2.1	6
28	Can the calf-raise senior test predict functional fitness in elderly people? A validation study using electromyography, kinematics and strength tests. <i>Physical Therapy in Sport</i> , 2018, 32, 252-259.	1.9	8
29	The Role of Ultrasound Imaging of Musculotendinous Structures in the Elderly Population. <i>Lecture Notes in Computational Vision and Biomechanics</i> , 2018, , 27-38.	0.5	1
30	Community-Based Exercise Intervention for Gait and Functional Fitness Improvement in an Older Population: Study Protocol. <i>Journal of Aging and Physical Activity</i> , 2017, 25, 84-93.	1.0	5
31	Inter-session agreement and reliability of the Global Gait Asymmetry index in healthy adults. <i>Gait and Posture</i> , 2017, 51, 20-24.	1.4	13
32	Influence of Body Composition on Gait Kinetics throughout Pregnancy and Postpartum Period. <i>Scientifica</i> , 2016, 2016, 1-12.	1.7	9
33	A Biomechanical Model of the Scapulothoracic Joint to Accurately Capture Scapular Kinematics during Shoulder Movements. <i>PLoS ONE</i> , 2016, 11, e0141028.	2.5	106
34	Calf-raise senior: a new test for assessment of plantar flexor muscle strength in older adults: protocol, validity, and reliability. <i>Clinical Interventions in Aging</i> , 2016, Volume 11, 1661-1674.	2.9	25
35	GLOBAL OPTIMIZATION METHOD APPLIED TO THE KINEMATICS OF GAIT IN PREGNANT WOMEN. <i>Journal of Mechanics in Medicine and Biology</i> , 2016, 16, 1650084.	0.7	3
36	KINETIC ANALYSIS OF GAIT IN THE SECOND AND THIRD TRIMESTERS OF PREGNANCY. <i>Journal of Mechanics in Medicine and Biology</i> , 2016, 16, 1650055.	0.7	8

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37	A Global Gait Asymmetry Index. <i>Journal of Applied Biomechanics</i> , 2016, 32, 171-177.	0.8	29
38	Three dimensional multi-segmental trunk kinematics and kinetics during gait: Test-retest reliability and minimal detectable change. <i>Gait and Posture</i> , 2016, 46, 18-25.	1.4	29
39	Test-retest reliability and minimal detectable change of three-dimensional gait analysis in chronic low back pain patients. <i>Gait and Posture</i> , 2015, 42, 491-497.	1.4	23
40	Comparison between overweight due to pregnancy and due to added weight to simulate body mass distribution in pregnancy. <i>Gait and Posture</i> , 2015, 42, 511-517.	1.4	24
41	An informational framework to predict reaction of constraints using a reciprocally connected knee model. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2015, 18, 78-89.	1.6	10
42	Validity of bodily-rhythmic coordination field test for obese people. <i>Journal of Human Sport and Exercise</i> , 2015, 10, .	0.4	1
43	Validity And Reliability Of The Calf Raise Test For Seniors. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 90.	0.4	0
44	Novel computational approaches characterizing knee physiotherapy. <i>Journal of Computational Design and Engineering</i> , 2014, 1, 55-66.	3.1	3
45	CAN GLOBAL OPTIMIZATION TECHNIQUE COMPENSATE FOR MARKER SKIN MOVEMENT IN RAT KINEMATICS?. <i>Journal of Mechanics in Medicine and Biology</i> , 2014, 14, 1450065.	0.7	2
46	BIOMECHANICAL MODEL FOR KINETIC AND KINEMATIC DESCRIPTION OF GAIT DURING SECOND TRIMESTER OF PREGNANCY TO STUDY THE EFFECTS OF BIOMECHANICAL LOAD ON THE MUSCULOSKELETAL SYSTEM. <i>Journal of Mechanics in Medicine and Biology</i> , 2014, 14, 1450004.	0.7	8
47	Synergistic interaction between ankle and knee during hopping revealed through induced acceleration analysis. <i>Human Movement Science</i> , 2014, 33, 312-320.	1.4	10
48	Sensitivity of Joint Kinematics and Kinetics to Different Pose Estimation Algorithms and Joint Constraints in the Elderly. <i>Journal of Applied Biomechanics</i> , 2014, 30, 446-460.	0.8	9
49	Effects of umbilical cord tissue mesenchymal stem cells (UCX <sup>®</sup> ) on rat sciatic nerve regeneration after neurotmesis injuries. <i>Journal of Stem Cells and Regenerative Medicine</i> , 2014, 10, 14-26.	2.2	33
50	Multimodal MRI Evaluation of Physiological Changes on Leg Muscles due to Fatigue after Intense Exercise. <i>IFMBE Proceedings</i> , 2014, , 157-158.	0.3	0
51	Biomechanical Analysis of Gait During Second and Third Trimester of Pregnancy. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 276-277.	0.4	0
52	Role of Physical Exercise for Improving Posttraumatic Nerve Regeneration. <i>International Review of Neurobiology</i> , 2013, 109, 125-149.	2.0	25
53	The PICO project: aquatic exercise for knee osteoarthritis in overweight and obese individuals. <i>BMC Musculoskeletal Disorders</i> , 2013, 14, 320.	1.9	31
54	The natural shock absorption of the leg spring. <i>Journal of Biomechanics</i> , 2013, 46, 129-136.	2.1	12

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55	Kinematic Analysis of Gait in the Second and Third Trimesters of Pregnancy. <i>Journal of Pregnancy</i> , 2013, 2013, 1-9.	2.4	51
56	QUANTIFYING THE EFFECT OF PLYOMETRIC HOPPING EXERCISES ON THE MUSCULOSKELETAL SYSTEM: CONTRIBUTIONS OF THE LOWER LIMB JOINT MOMENTS OF FORCE TO GROUND REACTION FORCES IN HOPPING EXERCISE. <i>Journal of Mechanics in Medicine and Biology</i> , 2013, 13, 1350027.	0.7	1
57	The Stationary Configuration of the Knee. <i>Journal of the American Podiatric Medical Association</i> , 2013, 103, 126-135.	0.3	13
58	An Informational Algorithm as the Basis for Perception-Action Control of the Instantaneous Axes of the Knee. <i>Journal of Novel Physiotherapies</i> , 2013, 03, 127.	0.1	10
59	Efferent Copy and Corollary Discharge Motor Control Behavior Associated with a Hopping Activity. <i>Journal of Novel Physiotherapies</i> , 2013, 03, .	0.1	3
60	Tracking Knee Joint Functional Axes through Tikhonov Filtering and PlÅ±cker Coordinates. <i>Journal of Novel Physiotherapies</i> , 2013, 03, .	0.1	10
61	Haptic Perception-Action Coupling Manifold of Effective Golf Swing. <i>International Journal of Golf Science</i> , 2013, 2, 10-32.	0.2	5
62	KINEMATICS ANALYSIS OF RAT'S HINDLIMB. <i>Journal of Biomechanics</i> , 2012, 45, S8.	2.1	0
63	AnÃ¡lise de equaÃ§Ãµes preditivas da gordura corporal em jovens atletas de "taekwondo". <i>Revista Brasileira De EducaÃ§Ã£o FÃsica E Esporte: RBEFE</i> , 2012, 26, 391-399.	0.1	1
64	Falls in Portuguese older people: procedures and preliminary results of the study <i>Biomechanics of Locomotion in the Elderly</i> . <i>Acta ReumatolÃ³gica Portuguesa</i> , 2012, 37, 324-32.	0.2	6
65	The sensitivity of two-dimensional hindlimb joint kinematics analysis in assessing functional recovery in rats after sciatic nerve crush. <i>Behavioural Brain Research</i> , 2011, 225, 562-573.	2.2	21
66	The natural frequency of the foot-surface cushion during the stance phase of running. <i>Journal of Biomechanics</i> , 2011, 44, 774-779.	2.1	11
67	Accuracy of a transformation method to estimate muscle attachments based on three bony landmarks. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2011, 14, 73-78.	1.6	2
68	Anatomical reference frame versus planar analysis: implications for the kinematics of the rat hindlimb during locomotion. <i>Reviews in the Neurosciences</i> , 2011, 22, 241.	2.9	0
69	Objective and Subjective Assessment of Physical Activity Patterns and Fall Prevalence in the Elderly. <i>Medicine and Science in Sports and Exercise</i> , 2011, 43, 709-710.	0.4	0
70	A Reciprocal Connection at Knee Joint. , 2010, , .		5
71	The Role of Physical Activity and Functional Fitness on Perceived Health in Aging. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 49-50.	0.4	1
72	Can Physical Activity and Functional Fitness Discriminate Fallers in Older Adults?. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 49.	0.4	0

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73	Comparative evaluation of the tridimensional spine position measured with a new instrument (Vertebral Metrics) and an optoelectronic system of stereophotogrammetry. Medical and Biological Engineering and Computing, 2010, 48, 1161-1164.	2.8	6
74	Effects of collagen membranes enriched with in vitro-differentiated N1E-115 cells on rat sciatic nerve regeneration after end-to-end repair. Journal of NeuroEngineering and Rehabilitation, 2010, 7, 7.	4.6	41
75	Anatomical reference frame versus planar analysis: implications for the kinematics of the rat hindlimb during locomotion. Reviews in the Neurosciences, 2010, 21, 469-85.	2.9	6
76	Analysis of Kinematics of the Lower Limb during Step Exercise. Perceptual and Motor Skills, 2009, 109, 851-869.	1.3	1
77	A transformation method to estimate muscle attachments based on three bony landmarks. Journal of Biomechanics, 2009, 42, 331-335.	2.1	19
78	Analysis of Ground Reaction Forces in Step Exercise Depending on Step Pattern and Stepping Rate. Journal of Strength and Conditioning Research, 2009, 23, 209-224.	2.1	10
79	Use of hybrid chitosan membranes and N1E-115 cells for promoting nerve regeneration in an axonotmesis rat model. Biomaterials, 2008, 29, 4409-4419.	11.4	115
80	Neural cell transplantation effects on sciatic nerve regeneration after a standardized crush injury in the rat. Microsurgery, 2008, 28, 458-470.	1.3	30
81	Use of PLGA 90:10 Scaffolds Enriched with In Vitro Differentiated Neural Cells for Repairing Rat Sciatic Nerve Defects. Tissue Engineering - Part A, 2008, 14, 979-993.	3.1	44
82	Comparative Study of Plantar Pressure during Step Exercise in Different Floor Conditions. Journal of Applied Biomechanics, 2007, 23, 162-168.	0.8	9
83	PLGA 90/10 and caprolactone biodegradable nerve guides for the reconstruction of the rat sciatic nerve. Microsurgery, 2007, 27, 125-137.	1.3	66
84	Long-term functional and morphological assessment of a standardized rat sciatic nerve crush injury with a non-serrated clamp. Journal of Neuroscience Methods, 2007, 163, 92-104.	2.5	97
85	Evaluation of two biodegradable nerve guides for the reconstruction of the rat sciatic nerve. Bio-Medical Materials and Engineering, 2007, 17, 39-52.	0.6	8
86	Interaction of biomechanical and morphological factors on shoulder workload in industrial paint work. Clinical Biomechanics, 2006, 21, S33-S38.	1.2	8
87	Osteogenic index of step exercise depending on choreographic movements, session duration, and stepping rate * COMMENTARY * COMMENTARY. British Journal of Sports Medicine, 2006, 40, 860-866.	6.7	18
88	Step Senior Exercise Program Promotes Functionality. Medicine and Science in Sports and Exercise, 2006, 38, S336.	0.4	0
89	Does Step Exercise Minimize The Impairments In Gait In Elderly Women?. Medicine and Science in Sports and Exercise, 2005, 37, S276-S277.	0.4	0
90	Intracellular Ca <sup>2+</sup> concentration in the N1E-115 neuronal cell line and its use for peripheral nerve regeneration. Acta Medica Portuguesa, 2005, 18, 323-8.	0.4	4

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91	Development of a Model of the Muscle Skeletal System using Adams. Its Application to an Ergonomic Study in Automotive Industry. , 2004, , .		0
92	The New Era of Additive Manufactured Orthopaedic Devices: Materials and Their Mechanical Performance. , 0, , .		0