Armel Cretual

List of Publications by Year
in descending order

20 papers	512 citations	759233 12 h-index	752698 20 g-index
22 all docs	22 docs citations	22 times ranked	410 citing authors

#	Article	IF	Citations
1	Minimal predicted distance: A common metric for collision avoidance during pairwise interactions between walkers. Gait and Posture, 2012, 36, 399-404.	1.4	97
2	Collision avoidance between two walkers: Role-dependent strategies. Gait and Posture, 2013, 38, 751-756.	1.4	86
3	Gillette Gait Index in adults. Gait and Posture, 2010, 32, 307-310.	1.4	41
4	How do walkers avoid a mobile robot crossing their way?. Gait and Posture, 2017, 51, 97-103.	1.4	38
5	Collision Avoidance Behavior between Walkers: Global and Local Motion Cues. IEEE Transactions on Visualization and Computer Graphics, 2018, 24, 2078-2088.	4.4	33
6	Acute Peripheral Blood Flow Response Induced by Passive Leg Cycle Exercise in People With Spinal Cord Injury. Archives of Physical Medicine and Rehabilitation, 2007, 88, 471-476.	0.9	28
7	Velocity/curvature relations along a single turn in human locomotion. Neuroscience Letters, 2007, 412, 148-153.	2.1	24
8	Effect of Virtual Human Gaze Behaviour During an Orthogonal Collision Avoidance Walking Task. , 2018, , .		24
9	How do walkers behave when crossing the way of a mobile robot that replicates human interaction rules?. Gait and Posture, 2018, 60, 188-193.	1.4	20
10	Dynamic Stabilization of a Pan and Tilt Camera for Submarine Image Visualization. Computer Vision and Image Understanding, 2000, 79, 47-65.	4.7	14
11	Peripheral Vascular Changes After Home-Based Passive Leg Cycle Exercise Training in People With Paraplegia: A Pilot Study. Archives of Physical Medicine and Rehabilitation, 2008, 89, 2162-2166.	0.9	14
12	A step-by-step modeling, analysis and annotation of locomotion. Computer Animation and Virtual Worlds, 2011, 22, 421-433.	1.2	9
13	KeR-EGI, a new index of gait quantification based on electromyography. Journal of Electromyography and Kinesiology, 2013, 23, 930-937.	1.7	7
14	Collision Avoidance With Multiple Walkers: Sequential or Simultaneous Interactions?. Frontiers in Psychology, 2018, 9, 2354.	2.1	6
15	Collision avoidance behaviours between older adult and young adult walkers. Gait and Posture, 2021, 88, 210-215.	1.4	6
16	Minimum predicted distance: Applying a common metric to collision avoidance strategies between children and adult walkers. Gait and Posture, 2019, 72, 16-21.	1.4	4
17	Collision avoidance strategies between two athlete walkers: Understanding impaired avoidance behaviours in athletes with a previous concussion. Gait and Posture, 2022, 92, 24-29.	1.4	4
18	Local kinematics of human walking along a turn. Computer Methods in Biomechanics and Biomedical Engineering, 2008, 11, 177-178.	1.6	3

#	Article	IF	Citations
19	A Velocity-Curvature Space Approach for Walking Motions Analysis. Lecture Notes in Computer Science, 2009, , 104-115.	1.3	3
20	Effective Human-Robot Collaboration in near symmetry collision scenarios. , 2019, , .		2