

Rodrigo Bini

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

707
citations

623188

14
h-index

610482

24
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55
all docs

55
docs citations

55
times ranked

529
citing authors

#	ARTICLE	IF	CITATIONS
1	Sensitivity of cycling Motion Performance Indicators (MPIs) to incremented load and their relationship with performance in professional cyclists. Proceedings of the Institution of Mechanical Engineers, Part P: Journal of Sports Engineering and Technology, 2024, 238, 76-82.	0.4	2
2	Validity of Neural Networks to Determine Body Position on the Bicycle. Research Quarterly for Exercise and Sport, 2023, 94, 905-912.	0.8	3
3	Methods to determine saddle height in cycling and implications of changes in saddle height in performance and injury risk: A systematic review. Journal of Sports Sciences, 2022, 40, 386-400.	1.0	6
4	Lower limb muscle and joint forces during front and back squats performed on a Smith machine. Isokinetics and Exercise Science, 2021, 29, 163-173.	0.2	0
5	Running after cycling induces inter-limb differences in muscle activation but not in kinetics or kinematics. Journal of Sports Sciences, 2021, 39, 154-160.	1.0	5
6	Influence of saddle height in 3D knee loads commuter cyclists: A statistical parametric mapping analysis. Journal of Sports Sciences, 2021, 39, 275-288.	1.0	8
7	Caffeine mouth rinse enhances performance, fatigue tolerance and reduces muscle activity during moderate-intensity cycling. Biology of Sport, 2021, 38, 517-523.	1.7	9
8	Effects from loaded walking with polyurethane and styrene-butadiene rubber midsole military boots on kinematics and external forces: A statistical parametric mapping analysis. Applied Ergonomics, 2021, 94, 103429.	1.7	5
9	Quantification of the demands of cricket bowling and the relationship to injury risk: a systematic review. BMC Sports Science, Medicine and Rehabilitation, 2021, 13, 109.	0.7	2
10	Comparison of linea alba length and core-muscles engagement during core and lower back orientated exercises. Journal of Bodywork and Movement Therapies, 2021, 28, 131-137.	0.5	0
11	Changes in body position on the bike during seated sprint cycling: Applications to bike fitting. European Journal of Sport Science, 2020, 20, 35-42.	1.4	13
12	Physiological and biomechanical comparison between electrically assisted bicycles and motorbikes during simulated mail delivery. Ergonomics, 2020, 63, 123-132.	1.1	1
13	Within- and between-session reliability of a pedal force system for power output and pedal force effectiveness measurements. Human Movement, 2020, 21, 69-78.	0.5	2
14	Effects of exercise mode in knee cartilage thickness. Journal of Bodywork and Movement Therapies, 2020, 24, 490-495.	0.5	5
15	Validity of different EMG analysis methods to identify aerobic and anaerobic thresholds in speed skaters. Journal of Electromyography and Kinesiology, 2020, 52, 102425.	0.7	5
16	Reproducibility of lower limb motion and forces during stationary submaximal pedalling using wearable motion tracking sensors. Sports Biomechanics, 2020, , 1-22.	0.8	3
17	Acute effects from changes in saddle height in perceived comfort during cycling. International Journal of Sports Science and Coaching, 2020, 15, 390-397.	0.7	8
18	Triceps Surae Muscle Architecture Adaptations to Eccentric Training. Frontiers in Physiology, 2019, 10, 1456.	1.3	20

#	ARTICLE	IF	CITATIONS
19	Muscle force adaptation to changes in upper body position during seated sprint cycling. <i>Journal of Sports Sciences</i> , 2019, 37, 2270-2278.	1.0	9
20	Biomechanical and physiological responses to electrically assisted cycling during simulated mail delivery. <i>Applied Ergonomics</i> , 2019, 75, 243-249.	1.7	11
21	Reproducibility of upper leg EMG frequency content during cycling. <i>Journal of Sports Sciences</i> , 2018, 36, 485-491.	1.0	3
22	Neuromuscular fatigue is weakly associated with perception of fatigue and function in patients with rheumatoid arthritis. <i>Rheumatology International</i> , 2018, 38, 415-423.	1.5	8
23	Time course of neuromechanical and morphological adaptations to triceps surae isokinetic eccentric training. <i>Physical Therapy in Sport</i> , 2018, 34, 84-91.	0.8	12
24	Effects of high loading by eccentric triceps surae training on Achilles tendon properties in humans. <i>European Journal of Applied Physiology</i> , 2018, 118, 1725-1736.	1.2	49
25	Effects of fatigue on ankle biomechanics during jumps: A systematic review. <i>Journal of Electromyography and Kinesiology</i> , 2018, 42, 81-91.	0.7	13
26	Potential factors associated with knee pain in cyclists: a systematic review. <i>Open Access Journal of Sports Medicine</i> , 2018, Volume 9, 99-106.	0.6	21
27	Motor unit firing frequency of lower limb muscles during an incremental slide board skating test. <i>Sports Biomechanics</i> , 2017, 16, 540-551.	0.8	5
28	Patellofemoral and tibiofemoral forces during knee extension: simulations to strength training and rehabilitation exercises. <i>Fisioterapia Em Movimento</i> , 2017, 30, 267-275.	0.4	2
29	A Comparison of Static and Dynamic Measures of Lower Limb Joint Angles in Cycling: Application to Bicycle Fitting. <i>Human Movement</i> , 2016, 17, .	0.5	13
30	Atividade muscular acessória da respiração após programa de reeducação respiratória e natação em asmáticos. <i>Revista Portuguesa De Ciências Do Desporto</i> , 2016, 16, 20-32.	0.0	0
31	Changes in muscular activation patterns produced by a toning shoe during treadmill walking and quiet standing. <i>Footwear Science</i> , 2015, 7, 43-50.	0.8	0
32	Implicações da cadência de pedalada sobre a potência mecânica e o período de contração muscular no ciclismo. <i>Revista Brasileira De Educação Física E Esporte: RBEFE</i> , 2014, 28, 387-394.	0.1	1
33	Cyclists and triathletes have different body positions on the bicycle. <i>European Journal of Sport Science</i> , 2014, 14, S109-15.	1.4	27
34	Effects of body positions on the saddle on pedalling technique for cyclists and triathletes. <i>European Journal of Sport Science</i> , 2014, 14, S413-20.	1.4	22
35	Saddle height effects on pedal forces, joint mechanical work and kinematics of cyclists and triathletes. <i>European Journal of Sport Science</i> , 2014, 14, 44-52.	1.4	52
36	Effects of moving forward or backward on the saddle on knee joint forces during cycling. <i>Physical Therapy in Sport</i> , 2013, 14, 23-27.	0.8	23

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37	Between-day reliability of pedal forces for cyclists during an incremental cycling test to exhaustion. <i>Isokinetics and Exercise Science</i> , 2013, 21, 203-209.	0.2	5
38	Análise da ativação muscular durante a pedalada até a exaustão utilizando bandas de frequência. <i>Revista Brasileira De Cineantropometria E Desempenho Humano</i> , 2012, 14, .	0.5	4
39	Muscle activity and pedal force profile of triathletes during cycling to exhaustion. <i>Sports Biomechanics</i> , 2012, 11, 10-19.	0.8	15
40	Joint kinematics assessment during cycling incremental test to exhaustion. <i>Isokinetics and Exercise Science</i> , 2012, 20, 99-105.	0.2	26
41	Sistemas de pedivela não-circulares e interfaces pedal-pedivela no ciclismo: uma revisão da literatura.. <i>Revista Brasileira De Cineantropometria E Desempenho Humano</i> , 2012, 14, .	0.5	6
42	Análise da técnica de pedalada durante o ciclismo até a exaustão. <i>Motriz Revista De Educacao Fisica</i> , 2012, 18, 476-486.	0.3	1
43	Effects of saddle height on pedal force effectiveness. <i>Procedia Engineering</i> , 2011, 13, 51-55.	1.2	18
44	A comparison of cycling SRM crank and strain gauge instrumented pedal measures of peak torque, crank angle at peak torque and power output. <i>Procedia Engineering</i> , 2011, 13, 56-61.	1.2	19
45	Effects of Bicycle Saddle Height on Knee Injury Risk and Cycling Performance. <i>Sports Medicine</i> , 2011, 41, 463-476.	3.1	103
46	Does saddle height affect patellofemoral and tibiofemoral forces during bicycling for rehabilitation?. <i>Journal of Bodywork and Movement Therapies</i> , 2011, 15, 186-191.	0.5	19
47	Efeitos da posição dos joelhos no plano frontal sobre as forças aplicadas no ciclismo: estudo preliminar. <i>Revista Brasileira De Cineantropometria E Desempenho Humano</i> , 2011, 11, .	0.5	0
48	Influência da pedalada com os joelhos tangenciando o quadro da bicicleta sobre a ativação dos músculos do membro inferior. <i>Revista Brasileira De Educação Física E Esporte: RBEFE</i> , 2011, 25, 27-37.	0.1	0
49	Pedaling cadence effects on joint mechanical work during cycling. <i>Isokinetics and Exercise Science</i> , 2010, 18, 7-13.	0.2	29
50	Fatigue effects on the coordinative pattern during cycling: Kinetics and kinematics evaluation. <i>Journal of Electromyography and Kinesiology</i> , 2010, 20, 102-107.	0.7	76
51	Ativação muscular durante a pedalada em diferentes posições do selim. <i>Revista Brasileira De Cineantropometria E Desempenho Humano</i> , 2008, 10, .	0.5	4
52	Proposta metodológica para a avaliação da técnica da pedalada de ciclistas: estudo de caso. <i>Revista Brasileira De Medicina Do Esporte</i> , 2008, 14, 155-158.	0.1	10
53	Estimativa das forças na articulação tibio-femoral no exercício de extensão dos joelhos em cadeia cinética aberta realizado em máquina de musculação. <i>Revista Brasileira De Cineantropometria E Desempenho Humano</i> , 2008, 10, 35.	0.5	4
54	Effects of an intermittent exercise protocol on ankle control during a single-legged landing. <i>Sport Sciences for Health</i> , 0, , .	0.4	0