John B Cronin

List of Publications by Year in Descending Order

113 papers	3,603 citations	34 h-index	57 g-index
115 ext. papers	4,190 ext. citations	3.3 avg, IF	5.71 L-index

#	Paper	IF	Citations
113	Validity and reliability of impact forces from a commercially instrumented water-filled punching bag. *Sports Engineering*, **2022**, 25, 1	1.4	0
112	Quantifying cricket fast bowling volume, speed and perceived intensity zone using an Apple Watch and machine learning. *Journal of Sports Sciences*, **2021**, 1-8	3.6	1
111	Wearable resistance sprint running is superior to training with no load for retaining performance in pre-season training for rugby athletes. *European Journal of Sport Science*, **2021**, 21, 967-975	3.9	1
110	Kinetic and kinematic profile of eccentric quasi-isometric loading. *Sports Biomechanics*, **2021**, 1-14	2.2	0
109	Waveform analysis of shank loaded wearable resistance during sprint running acceleration. *Journal of Sports Sciences*, **2021**, 39, 2015-2022	3.6	
108	A Review of Striking Force in Full-Contact Combat Sport Athletes. *Strength and Conditioning Journal* , **2021**, Publish Ahead of Print,	2	1
107	The effect of regional quadriceps anatomical parameters on angle-specific isometric torque expression. *Applied Physiology, Nutrition and Metabolism*, **2021**, 46, 368-378	3	4
106	Effects of forearm wearable resistance during accelerated sprints: From a standing start position. *Journal of Sports Sciences*, **2021**, 39, 2517-2524	3.6	
105	Load effects of thigh wearable resistance on angular and linear kinematics and kinetics during non-motorised treadmill sprint-running. *European Journal of Sport Science*, **2021**, 21, 531-538	3.9	5
104	Short-term neuromuscular, morphological, and architectural responses to eccentric quasi-isometric muscle actions. *European Journal of Applied Physiology*, **2021**, 121, 141-158	3.4	3
103	Upper body activity classification using an inertial measurement unit in court and field-based sports: A systematic review. *Proceedings of the Institution of Mechanical Engineers, Part P: Journal of Sports Engineering and Technology*, **2021**, 235, 83-95	0.7	8
102	Can an inertial measurement unit (IMU) in combination with machine learning measure fast bowling speed and perceived intensity in cricket?. *Journal of Sports Sciences*, **2021**, 39, 1402-1409	3.6	3
101	Changes to horizontal force-velocity and impulse measures during sprint running acceleration with thigh and shank wearable resistance. *Journal of Sports Sciences*, **2021**, 39, 1519-1527	3.6	1
100	Resisted Sprint Training in Youth: The Effectiveness of Backward vs. Forward Sled Towing on Speed, Jumping, and Leg Compliance Measures in High-School Athletes. *Journal of Strength and Conditioning Research*, **2021**, 35, 2205-2212	3.2	2
99	Resisted Sled Training for Young Athletes: When to Push and Pull. *Strength and Conditioning Journal*, **2020**, 42, 91-99	2	2
98	Thigh loaded wearable resistance increases sagittal plane rotational work of the thigh resulting in slower 50-m sprint times. *Sports Biomechanics*, **2020**, 1-12	2.2	6
97	Validity and Reliability of a New Test of Change of Direction in Fencing Athletes. *International Journal of Environmental Research and Public Health*, **2020**, 17,	4.6	5

96	Variability of concentric angle-specific isokinetic torque and impulse assessments of the knee extensors. *Physiological Measurement*, **2020**, 41, 01NT02	2.9	9
95	Effects of forearm wearable resistance on acceleration mechanics in collegiate track sprinters. *European Journal of Sport Science*, **2020**, 20, 1346-1354	3.9	1
94	Acute effects of wearable thigh and shank loading on spatiotemporal and kinematic variables during maximum velocity sprinting. *Sports Biomechanics*, **2020**, 1-15	2.2	2
93	Methods for Regulating and Monitoring Resistance Training. *Journal of Human Kinetics*, **2020**, 74, 23-42	2.6	3
92	Influence of resisted sled-push training on the sprint force-velocity profile of male high school athletes. *Scandinavian Journal of Medicine and Science in Sports*, **2020**, 30, 442-449	4.6	15
91	Bilateral multidirectional jumps with reactive jump-landings achieve osteogenic thresholds with and without instruction in premenopausal women. *Clinical Biomechanics*, **2020**, 73, 1-8	2.2	0
90	Influence of Resisted Sled-Pull Training on the Sprint Force-Velocity Profile of Male High-School Athletes. *Journal of Strength and Conditioning Research*, **2020**, 34, 2751-2759	3.2	8
89	Inertial stresses of national and international motorcycle circuit racing riders. *International Journal of Sports Science and Coaching*, **2020**, 15, 728-737	1.8	1
88	Backward Sled Pulling Load–Velocity Relationship in Youth: A Backward–Forward Comparison. *Journal of Science in Sport and Exercise*, **2020**, 2, 330-335	1	0
87	Effects of upper and lower body wearable resistance on spatio-temporal and kinetic parameters during running. *Sports Biomechanics*, **2020**, 19, 633-651	2.2	4
86	Sprint-Specific Training in Youth: Backward Running vs. Forward Running Training on Speed and Power Measures in Adolescent Male Athletes. *Journal of Strength and Conditioning Research*, **2020**, 34, 1113-1122	3.2	7
85	The effects of lower limb wearable resistance on sprint running performance: A systematic review. *European Journal of Sport Science*, **2020**, 20, 394-406	3.9	6
84	Thigh positioned wearable resistance affects step frequency not step length during 50 m sprint-running. *European Journal of Sport Science*, **2020**, 20, 444-451	3.9	8
83	Acute changes in acceleration phase sprint biomechanics with lower body wearable resistance. *Sports Biomechanics*, **2020**, 1-13	2.2	2
82	Sled-Pull Load-Velocity Profiling and Implications for Sprint Training Prescription in Young Male Athletes. *Sports*, **2019**, 7,	3	15
81	Effects of Different Wearable Resistance Placements on Sprint-Running Performance: A Review and Practical Applications. *Strength and Conditioning Journal*, **2019**, 41, 79-96	2	13
80	Backward Running: The Why and How to Program for Better Athleticism. *Strength and Conditioning Journal*, **2019**, 41, 48-56	2	3
79	Scientific Basis for Eccentric Quasi-Isometric Resistance Training: A Narrative Review. *Journal of Strength and Conditioning Research*, **2019**, 33, 2846-2859	3.2	8

78	Wearable Resistance Training for Speed and Agility. *Strength and Conditioning Journal*, **2019**, 41, 105-112	2	9
77	Forearm wearable resistance effects on sprint kinematics and kinetics. *Journal of Science and Medicine in Sport*, **2019**, 22, 348-352	4.4	10
76	Isometric training and long-term adaptations: Effects of muscle length, intensity, and intent: A systematic review. *Scandinavian Journal of Medicine and Science in Sports*, **2019**, 29, 484-503	4.6	60
75	Cricket fast bowling detection in a training setting using an inertial measurement unit and machine learning. *Journal of Sports Sciences*, **2019**, 37, 1220-1226	3.6	22
74	A New Direction to Athletic Performance: Understanding the Acute and Longitudinal Responses to Backward Running. *Sports Medicine*, **2018**, 48, 1083-1096	10.6	13
73	Human Performance in Motorcycle Road Racing: A Review of the Literature. *Sports Medicine*, **2018**, 48, 1345-1356	10.6	8
72	The match-to-match variation of match-running in elite female soccer. *Journal of Science and Medicine in Sport*, **2018**, 21, 196-201	4.4	45
71	Profiling the physical load on riders of top-level motorcycle circuit racing. *Journal of Sports Sciences*, **2018**, 36, 1061-1067	3.6	9
70	An investigation into the influence of score differential on the physical demands of international women's rugby sevens match play. *International Journal of Performance Analysis in Sport*, **2018**, 18, 523-531	1.8	3
69	Prescribing Target Running Intensities for High-School Athletes: Can Forward and Backward Running Performance Be Autoregulated?. *Sports*, **2018**, 6,	3	6
68	Trend Analysis of 20 Years of FIM Road Racing Grand Prix Motorcycle World Championship. *International Journal of Sports Physiology and Performance*, **2018**, 13, 795-801	3.5	3
67	Acute Kinematic and Kinetic Adaptations to Wearable Resistance During Sprint Acceleration. *Journal of Strength and Conditioning Research*, **2017**, 31, 1297-1304	3.2	28
66	The influence of situational and environmental factors on match-running in soccer: a systematic review. *Science and Medicine in Football*, **2017**, 1, 183-194	2.7	23
65	Acute kinematic and kinetic adaptations to wearable resistance during vertical jumping. *European Journal of Sport Science*, **2017**, 17, 555-562	3.9	9
64	A Brief Review of Handgrip Strength and Sport Performance. *Journal of Strength and Conditioning Research*, **2017**, 31, 3187-3217	3.2	54
63	The countermovement jump to monitor neuromuscular status: A meta-analysis. *Journal of Science and Medicine in Sport*, **2017**, 20, 397-402	4.4	150
62	The Effects of Wearable Resistance Training on Metabolic, Kinematic and Kinetic Variables During Walking, Running, Sprint Running and Jumping: A Systematic Review. *Sports Medicine*, **2017**, 47, 887-906	10.6	35
61	Defensive And Attacking Performance Indicators In Rugby Sevens. *International Journal of Performance Analysis in Sport*, **2016**, 16, 569-580	1.8	7

60	Effect of Different Sprint Training Methods on Sprint Performance Over Various Distances: A Brief Review. *Journal of Strength and Conditioning Research*, **2016**, 30, 1767-85	3.2	83
59	Advances in Sprint Acceleration Profiling for Field-Based Team-Sport Athletes: Utility, Reliability, Validity and Limitations. *Sports Medicine*, **2016**, 46, 1619-1645	10.6	37
58	America's Cup Sailing: Effect of Standing Arm-Cranking ("Grinding") Direction on Muscle Activity, Kinematics, and Torque Application. *Sports*, **2016**, 4,	3	1
57	Force-Velocity-Power Assessment in Semiprofessional Rugby Union Players. *Journal of Strength and Conditioning Research*, **2016**, 30, 1118-26	3.2	12
56	Application of the Repetitions in Reserve-Based Rating of Perceived Exertion Scale for Resistance Training. *Strength and Conditioning Journal*, **2016**, 38, 42-49	2	91
55	Assessing Change of Direction Ability in Badminton Athletes. *Strength and Conditioning Journal*, **2016**, 38, 18-30	2	12
54	Maximal sprint speed in boys of increasing maturity. *Pediatric Exercise Science*, **2015**, 27, 85-94	2	55
53	Mechanical Properties of Sprinting in Elite Rugby Union and Rugby League. *International Journal of Sports Physiology and Performance*, **2015**, 10, 695-702	3.5	54
52	The effect of resisted sprint training on maximum sprint kinetics and kinematics in youth. *European Journal of Sport Science*, **2015**, 15, 374-81	3.9	37
51	The reliability of isoinertial force-velocity-power profiling and maximal strength assessment in youth. *Sports Biomechanics*, **2015**, 14, 68-80	2.2	24
50	A brief review of strength and ballistic assessment methodologies in sport. *Sports Medicine*, **2014**, 44, 603-23	10.6	125
49	Effect of four different step detection thresholds on nonmotorized treadmill sprint measurement. *Journal of Strength and Conditioning Research*, **2014**, 28, 2996-3000	3.2	7
48	Effects of vest loading on sprint kinetics and kinematics. *Journal of Strength and Conditioning Research*, **2014**, 28, 1867-74	3.2	29
47	Kinetic asymmetries during running in male youth. *Physical Therapy in Sport*, **2014**, 15, 53-7	3	27
46	The development, retention and decay rates of strength and power in elite rugby union, rugby league and American football: a systematic review. *Sports Medicine*, **2013**, 43, 367-84	10.6	75
45	Is wireless accelerometry a viable measurement system for assessing vertical jump performance?. *Sports Technology*, **2013**, 6, 86-96		4
44	Trunk muscle activity during spine stabilization exercises performed in a pool. *Physical Therapy in Sport*, **2012**, 13, 67-72	3	14
43	Effect of different training methods on running sprint times in male youth. *Pediatric Exercise Science*, **2012**, 24, 170-86	2	80

42	Does cluster loading enhance lower body power development in preseason preparation of elite rugby union players?. *Journal of Strength and Conditioning Research*, **2011**, 25, 2118-26	3.2	42
41	Do force-time and power-time measures in a loaded jump squat differentiate between speed performance and playing level in elite and elite junior rugby union players?. *Journal of Strength and Conditioning Research*, **2011**, 25, 2382-91	3.2	27
40	Effects of running velocity on running kinetics and kinematics. *Journal of Strength and Conditioning Research*, **2011**, 25, 933-9	3.2	93
39	Talent Identification in Soccer: The Role of Maturity Status on Physical, Physiological and Technical Characteristics. *International Journal of Sports Science and Coaching*, **2010**, 5, 571-592	1.8	164
38	Acceleration and gravity power: a concept for understanding total power output. *Computer Methods in Biomechanics and Biomedical Engineering*, **2010**, 13, 113-114	2.1	
37	A biomechanical evaluation of resistance: fundamental concepts for training and sports performance. *Sports Medicine*, **2010**, 40, 303-26	10.6	67
36	Understanding Position Transducer Technology for Strength and Conditioning Practitioners. *Strength and Conditioning Journal*, **2010**, 32, 66-79	2	78
35	Effects of a power-focussed resistance training intervention on backward grinding performance in America's Cup sailing. *Sports Biomechanics*, **2009**, 8, 334-44	2.2	9
34	Kinematics and kinetics of the bench-press and bench-pull exercises in a strength-trained sporting population. *Sports Biomechanics*, **2009**, 8, 245-54	2.2	23
33	Strength and power determinants of grinding performance in America's Cup sailors. *Journal of Strength and Conditioning Research*, **2009**, 23, 1883-9	3.2	10
32	Forms of Variable Resistance Training. *Strength and Conditioning Journal*, **2009**, 31, 50-64	2	38
31	Training Loads for the Development of Lower Body Muscular Power During Squatting Movements. *Strength and Conditioning Journal*, **2009**, 31, 17-33	2	11
30	Single-leg lateral, horizontal, and vertical jump assessment: reliability, interrelationships, and ability to predict sprint and change-of-direction performance. *Journal of Strength and Conditioning Research*, **2009**, 23, 1140-7	3.2	140
29	The acute effects of hamstring stretching and vibration on dynamic knee joint range of motion and jump performance. *Physical Therapy in Sport*, **2008**, 9, 89-96	3	27
28	Understanding change of direction ability in sport: a review of resistance training studies. *Sports Medicine*, **2008**, 38, 1045-63	10.6	268
27	Effects of weighted vests and sled towing on sprint kinematics. *Sports Biomechanics*, **2008**, 7, 160-72	2.2	75
26	Have we underestimated the kinematic and kinetic benefits of non-ballistic motion?. *Sports Biomechanics*, **2008**, 7, 372-85	2.2	14
25	Timing light height affects sprint times. *Journal of Strength and Conditioning Research*, **2008**, 22, 318-20	3.2	44

24	Squat jump training at maximal power loads vs. heavy loads: effect on sprint ability. *Journal of Strength and Conditioning Research*, **2008**, 22, 1742-9	3.2	61
23	Isoinertial Assessment of Eccentric Muscular Strength. *Strength and Conditioning Journal*, **2008**, 30, 56-64	1	17
22	The effect of four different vibratory stimuli on dynamic range of motion of the hamstrings. *Physical Therapy in Sport*, **2007**, 8, 30-36	3	12
21	External work and peak power are reliable measures of ergometer grinding performance when tested under load, deck heel, and grinding direction conditions. *Sports Biomechanics*, **2007**, 6, 71-80	2.2	11
20	POWER OUTPUTS OF A MACHINE SQUAT-JUMP ACROSS A SPECTRUM OF LOADS. *Journal of Strength and Conditioning Research*, **2007**, 21, 1260-1264	3.2	1
19	Effect of starting stance on initial sprint performance. *Journal of Strength and Conditioning Research*, **2007**, 21, 990-2	3.2	22
18	Kinematics and kinetics of the seated row and implications for conditioning. *Journal of Strength and Conditioning Research*, **2007**, 21, 1265-70	3.2	8
17	Assessing dynamic knee joint range of motion using siliconcoach. *Physical Therapy in Sport*, **2006**, 7, 191-4	3	14
16	Resisted Sprint Training for the Acceleration Phase of Sprinting. *Strength and Conditioning Journal*, **2006**, 28, 42-51	2	64
15	Challenges in understanding the influence of maximal power training on improving athletic performance. *Sports Medicine*, **2005**, 35, 213-34	10.6	163
14	Strength and power predictors of sports speed. *Journal of Strength and Conditioning Research*, **2005**, 19, 349-57	3.2	235
13	Muscle stiffness and injury effects of whole body vibration. *Physical Therapy in Sport*, **2004**, 5, 68-74	3	26
12	Upper-body strength and power assessment in women using a chest pass. *Journal of Strength and Conditioning Research*, **2004**, 18, 401-4	3.2	26
11	Maximal strength and power assessment in novice weight trainers. *Journal of Strength and Conditioning Research*, **2004**, 18, 48-52	3.2	29
10	Muscle stiffness and injury effects of whole body vibration **2004**, 5, 68-68		6
9	Lunge performance and its determinants. *Journal of Sports Sciences*, **2003**, 21, 49-57	3.6	72
8	The effects of bungy weight training on muscle function and functional performance. *Journal of Sports Sciences*, **2003**, 21, 59-71	3.6	58
7	Power absorption and production during slow, large-amplitude stretch-shorten cycle motions. *European Journal of Applied Physiology*, **2002**, 87, 59-65	3.4	9

6	Is velocity-specific strength training important in improving functional performance?. *Journal of Sports Medicine and Physical Fitness*, **2002**, 42, 267-73	1.4	15
5	Magnitude and decay of stretch-induced enhancement of power output. *European Journal of Applied Physiology*, **2001**, 84, 575-81	3.4	47
4	Developing explosive power: a comparison of technique and training. *Journal of Science and Medicine in Sport*, **2001**, 4, 59-70	4.4	68
3	Velocity specificity, combination training and sport specific tasks. *Journal of Science and Medicine in Sport*, **2001**, 4, 168-78	4.4	55
2	The role of maximal strength and load on initial power production. *Medicine and Science in Sports and Exercise*, **2000**, 32, 1763-9	1.2	45
1	Pro-agility unpacked: Variability, comparability and diagnostic value. *International Journal of Sports Science and Coaching*,174795412110693	1.8	1