

# Kurt Claeys

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

997  
citations

566801

15  
h-index

552369

26  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1035  
citing authors

#	ARTICLE	IF	CITATIONS
1	Persons with recurrent low back pain exhibit a rigid postural control strategy. <i>European Spine Journal</i> , 2008, 17, 1177-1184.	1.0	229
2	Decreased variability in postural control strategies in young people with non-specific low back pain is associated with altered proprioceptive reweighting. <i>European Journal of Applied Physiology</i> , 2011, 111, 115-123.	1.2	143
3	Inertial Sensor-Based Lower Limb Joint Kinematics: A Methodological Systematic Review. <i>Sensors</i> , 2020, 20, 673.	2.1	90
4	The effect of acute back muscle fatigue on postural control strategy in people with and without recurrent low back pain. <i>European Spine Journal</i> , 2011, 20, 2152-2159.	1.0	87
5	Higher satisfaction after total knee arthroplasty using restricted inverse kinematic alignment compared to adjusted mechanical alignment. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2022, 30, 488-499.	2.3	68
6	Resting-State Functional Connectivity of the Sensorimotor Network in Individuals with Nonspecific Low Back Pain and the Association with the Sit-to-Stand-to-Sit Task. <i>Brain Connectivity</i> , 2015, 5, 303-311.	0.8	49
7	Young individuals with a more ankle-steered proprioceptive control strategy may develop mild non-specific low back pain. <i>Journal of Electromyography and Kinesiology</i> , 2015, 25, 329-338.	0.7	46
8	Impaired Postural Control Reduces Sit-to-Stand-to-Sit Performance in Individuals with Chronic Obstructive Pulmonary Disease. <i>PLoS ONE</i> , 2014, 9, e88247.	1.1	45
9	Drift-Free Inertial Sensor-Based Joint Kinematics for Long-Term Arbitrary Movements. <i>IEEE Sensors Journal</i> , 2020, 20, 7969-7979.	2.4	41
10	Altered preparatory pelvic control during the sit-to-stance-to-sit movement in people with non-specific low back pain. <i>Journal of Electromyography and Kinesiology</i> , 2012, 22, 821-828.	0.7	33
11	The implementation of inertial sensors for the assessment of temporal parameters of gait in the knee arthroplasty population. <i>Clinical Biomechanics</i> , 2018, 54, 22-27.	0.5	22
12	Estimation and validation of temporal gait features using a markerless 2D video system. <i>Computer Methods and Programs in Biomedicine</i> , 2019, 175, 45-51.	2.6	22
13	Inverse Kinematic Alignment for Total Knee Arthroplasty. <i>Orthopaedics and Traumatology: Surgery and Research</i> , 2022, 108, 103305.	0.9	22
14	Sagittal evaluation of usual standing and sitting spinal posture. <i>Journal of Bodywork and Movement Therapies</i> , 2016, 20, 326-333.	0.5	21
15	High Levels of Kinesiophobia at Discharge from the Hospital May Negatively Affect the Short-Term Functional Outcome of Patients Who Have Undergone Knee Replacement Surgery. <i>Journal of Clinical Medicine</i> , 2020, 9, 738.	1.0	16
16	A Novel Method to Estimate the Full Knee Joint Kinematics Using Low Cost IMU Sensors for Easy to Implement Low Cost Diagnostics. <i>Sensors</i> , 2020, 20, 1683.	2.1	15
17	Lower extremity gait kinematics outcomes after knee replacement demonstrate arthroplasty-specific differences between unicondylar and total knee arthroplasty: A pilot study. <i>Gait and Posture</i> , 2019, 73, 299-304.	0.6	14
18	Effect of knee arthroplasty on sports participation and activity levels: a systematic review and meta-analysis. <i>BMJ Open Sport and Exercise Medicine</i> , 2020, 6, e000729.	1.4	10

#	ARTICLE	IF	CITATIONS
19	In-vitro validation of inertial-sensor-to-bone alignment. Journal of Biomechanics, 2021, 128, 110781.	0.9	5
20	Hip and knee kinematics of the forward lunge one year after unicondylar and total knee arthroplasty. Journal of Electromyography and Kinesiology, 2019, 48, 24-30.	0.7	4
21	Altered variability in proprioceptive postural strategy in people with recurrent low back pain. , 2013, , 135-144.		3
22	Correlation between an inertial and camera based system for the assessment of temporal parameters of gait in the knee arthroplasty population. Gait and Posture, 2017, 57, 280-281.	0.6	3
23	Reference in-vitro dataset for inertial-sensor-to-bone alignment applied to the tibiofemoral joint. Scientific Data, 2021, 8, 208.	2.4	3
24	Trunk control, motion and alignment after total knee arthroplasty: a systematic review and meta-analysis. Gait and Posture, 2022, 94, 173-188.	0.6	3
25	Validation of a Bar Linkage Model for Joint Angle Estimation during Cycling. Applied Sciences (Switzerland), 2020, 10, 5104.	1.3	1
26	Influence of Electrically Powered Pedal Assistance on User-Induced Cycling Loads and Muscle Activity during Cycling. Applied Sciences (Switzerland), 2021, 11, 2032.	1.3	1
27	A Detailed Comparison of Preoperative Complaints in Severe Carpal Tunnel Syndrome versus Recurrent Carpal Tunnel Syndrome Using the Boston Carpal Tunnel Questionnaire. journal of hand surgery Asian-Pacific volume, The, 2022, 27, 98-104.	0.2	1