

Yong-Hao Pua

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8288818/publications.pdf>

Version: 2024-02-01

110
papers

4,612
citations

136950

32
h-index

110387

64
g-index

110
all docs

110
docs citations

110
times ranked

5198
citing authors

#	ARTICLE	IF	CITATIONS
1	Validity of the Microsoft Kinect for assessment of postural control. <i>Gait and Posture</i> , 2012, 36, 372-377.	1.4	564
2	Assessment of Lower Limb Muscle Strength and Power Using Hand-Held and Fixed Dynamometry: A Reliability and Validity Study. <i>PLoS ONE</i> , 2015, 10, e0140822.	2.5	313
3	Concurrent validity of the Microsoft Kinect for assessment of spatiotemporal gait variables. <i>Journal of Biomechanics</i> , 2013, 46, 2722-2725.	2.1	182
4	Factors Associated With Post-Stroke Physical Activity: A Systematic Review and Meta-Analysis. <i>Archives of Physical Medicine and Rehabilitation</i> , 2018, 99, 1876-1889.	0.9	178
5	Intrarater Test-Retest Reliability of Hip Range of Motion and Hip Muscle Strength Measurements in Persons With Hip Osteoarthritis. <i>Archives of Physical Medicine and Rehabilitation</i> , 2008, 89, 1146-1154.	0.9	175
6	Gait assessment using the Microsoft Xbox One Kinect: Concurrent validity and inter-day reliability of spatiotemporal and kinematic variables. <i>Journal of Biomechanics</i> , 2015, 48, 2166-2170.	2.1	151
7	Validity of the Microsoft Kinect for providing lateral trunk lean feedback during gait retraining. <i>Gait and Posture</i> , 2013, 38, 1064-1066.	1.4	150
8	Effects of thoracic kyphosis and forward head posture on cervical range of motion in older adults. <i>Manual Therapy</i> , 2013, 18, 65-71.	1.6	146
9	Effect of Physical Therapy on Pain and Function in Patients With Hip Osteoarthritis. <i>JAMA - Journal of the American Medical Association</i> , 2014, 311, 1987.	7.4	146
10	Reliability and concurrent validity of the Microsoft Xbox One Kinect for assessment of standing balance and postural control. <i>Gait and Posture</i> , 2015, 42, 210-213.	1.4	138
11	Reliability and validity of the Wii Balance Board for assessment of standing balance: A systematic review. <i>Gait and Posture</i> , 2018, 61, 40-54.	1.4	135
12	Three-dimensional cameras and skeleton pose tracking for physical function assessment: A review of uses, validity, current developments and Kinect alternatives. <i>Gait and Posture</i> , 2019, 68, 193-200.	1.4	135
13	COVID-19: maintaining essential rehabilitation services across the care continuum. <i>BMJ Global Health</i> , 2020, 5, e002670.	4.7	132
14	The Lower Extremity Functional Scale could be an alternative to the Western Ontario and McMaster Universities Osteoarthritis Index physical function scale. <i>Journal of Clinical Epidemiology</i> , 2009, 62, 1103-1111.	5.0	103
15	Reliability and concurrent validity of a Smartphone, bubble inclinometer and motion analysis system for measurement of hip joint range of motion. <i>Journal of Science and Medicine in Sport</i> , 2015, 18, 262-267.	1.3	82
16	Instrumenting gait assessment using the Kinect in people living with stroke: reliability and association with balance tests. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2015, 12, 15.	4.6	78
17	Validity and intra-rater reliability of an Android phone application to measure cervical range-of-motion. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2014, 11, 65.	4.6	71
18	Dynamic balance and instrumented gait variables are independent predictors of falls following stroke. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2019, 16, 3.	4.6	65

#	ARTICLE	IF	CITATIONS
19	Falls efficacy, postural balance, and risk for falls in older adults with falls-related emergency department visits: prospective cohort study. <i>BMC Geriatrics</i> , 2017, 17, 291.	2.7	63
20	Treadmill walking with body weight support is no more effective than cycling when added to an exercise program for lumbar spinal stenosis: a randomised controlled trial. <i>Australian Journal of Physiotherapy</i> , 2007, 53, 83-89.	0.9	58
21	Predicting individual knee range of motion, knee pain, and walking limitation outcomes following total knee arthroplasty. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2019, 90, 179-186.	3.3	54
22	Factors associated with gait speed recovery after total knee arthroplasty: A longitudinal study. <i>Seminars in Arthritis and Rheumatism</i> , 2017, 46, 544-551.	3.4	52
23	Quantifying Individual Components of the Timed Up and Go Using the Kinect in People Living With Stroke. <i>Neurorehabilitation and Neural Repair</i> , 2015, 29, 48-53.	2.9	50
24	Association of Early Ambulation With Length of Stay and Costs in Total Knee Arthroplasty. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2014, 93, 962-970.	1.4	47
25	Impaired voluntary quadriceps force control following anterior cruciate ligament reconstruction: relationship with knee function. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2017, 25, 1424-1431.	4.2	44
26	Five times sit-to-stand following stroke: Relationship with strength and balance. <i>Gait and Posture</i> , 2020, 78, 35-39.	1.4	44
27	Associations of knee extensor strength and standing balance with physical function in knee osteoarthritis. <i>Arthritis Care and Research</i> , 2011, 63, 1706-1714.	3.4	42
28	The Time Course of Knee Swelling Post Total Knee Arthroplasty and Its Associations with Quadriceps Strength and Gait Speed. <i>Journal of Arthroplasty</i> , 2015, 30, 1215-1219.	3.1	42
29	Sex Differences and Impact of Body Mass Index on the Time Course of Knee Range of Motion, Knee Strength, and Gait Speed After Total Knee Arthroplasty. <i>Arthritis Care and Research</i> , 2015, 67, 1397-1405.	3.4	40
30	Novel use of the Wii Balance Board to prospectively predict falls in community-dwelling older adults. <i>Clinical Biomechanics</i> , 2015, 30, 481-484.	1.2	40
31	Three-dimensional assessment of squats and drop jumps using the Microsoft Xbox One Kinect: Reliability and validity. <i>Journal of Sports Sciences</i> , 2018, 36, 2202-2209.	2.0	37
32	Morphology of Knee Extension Torque-Time Curves Following Anterior Cruciate Ligament Injury and Reconstruction. <i>Journal of Bone and Joint Surgery - Series A</i> , 2009, 91, 1424-1431.	3.0	36
33	A clinical prediction rule for classifying patients with low back pain who demonstrate short-term improvement with mechanical lumbar traction. <i>European Spine Journal</i> , 2009, 18, 554-561.	2.2	36
34	The minimal clinically important difference of six-minute walk in Asian older adults. <i>BMC Geriatrics</i> , 2013, 13, 23.	2.7	36
35	Effects of WiiActive exercises on fear of falling and functional outcomes in community-dwelling older adults: a randomised control trial. <i>Age and Ageing</i> , 2016, 45, 621-627.	1.6	35
36	Machine learning methods are comparable to logistic regression techniques in predicting severe walking limitation following total knee arthroplasty. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2020, 28, 3207-3216.	4.2	34

#	ARTICLE	IF	CITATIONS
37	Physical Function in Hip Osteoarthritis: Relationship to Isometric Knee Extensor Steadiness. Archives of Physical Medicine and Rehabilitation, 2010, 91, 1110-1116.	0.9	31
38	Association of physical performance with muscle strength and hip range of motion in hip osteoarthritis. Arthritis and Rheumatism, 2009, 61, 442-450.	6.7	30
39	Building the Rationale and Structure for a Complex Physical Therapy Intervention Within the Context of a Clinical Trial: A Multimodal Individualized Treatment for Patients With Hip Osteoarthritis. Physical Therapy, 2011, 91, 1525-1541.	2.4	30
40	Anthropometric indices as screening tools for cardiovascular risk factors in Singaporean women. Asia Pacific Journal of Clinical Nutrition, 2005, 14, 74-9.	0.4	30
41	Hip flexion range of motion and physical function in hip osteoarthritis: Mediating effects of hip extensor strength and pain. Arthritis and Rheumatism, 2009, 61, 633-640.	6.7	29
42	Assessment of standing balance deficits in people who have undergone anterior cruciate ligament reconstruction using traditional and modern analysis methods. Journal of Biomechanics, 2014, 47, 1134-1137.	2.1	29
43	Neck musculature fatigue affects specific frequency bands of postural dynamics during quiet standing. Gait and Posture, 2014, 39, 397-403.	1.4	27
44	Diminished sub-maximal quadriceps force control in anterior cruciate ligament reconstructed patients is related to quadriceps and hamstring muscle dyskinesia. Journal of Electromyography and Kinesiology, 2014, 24, 513-519.	1.7	27
45	Associations Among Quadriceps Strength and Rate-of-Torque Development 6 Weeks Post Anterior Cruciate Ligament Reconstruction and Future Hop and Vertical Jump Performance: A Prospective Cohort Study. Journal of Orthopaedic and Sports Physical Therapy, 2017, 47, 1-24.	3.5	26
46	Allometric Analysis of Physical Performance Measures in Older Adults. Physical Therapy, 2006, 86, 1263-1270.	2.4	25
47	Automated analysis of gait and modified timed up and go using the Microsoft Kinect in people with Parkinson's disease: associations with physical outcome measures. Medical and Biological Engineering and Computing, 2019, 57, 369-377.	2.8	24
48	Efficacy of a multimodal physiotherapy treatment program for hip osteoarthritis: a randomised placebo-controlled trial protocol. BMC Musculoskeletal Disorders, 2010, 11, 238.	1.9	22
49	Morphology of hamstring torque-time curves following acl injury and reconstruction: mechanisms and implications. Journal of Orthopaedic Research, 2011, 29, 907-914.	2.3	22
50	Assessment of isometric muscle strength and rate of torque development with hand-held dynamometry: Test-retest reliability and relationship with gait velocity after stroke. Journal of Biomechanics, 2018, 75, 171-175.	2.1	22
51	Self-report and physical performance measures of physical function in hip osteoarthritis: Relationship to isometric quadriceps torque development. Arthritis and Rheumatism, 2009, 61, 201-208.	6.7	20
52	Associations of isokinetic knee steadiness with hop performance in patients with ACL deficiency. Knee Surgery, Sports Traumatology, Arthroscopy, 2015, 23, 2185-2195.	4.2	20
53	Isokinetic dynamometry in anterior cruciate ligament injury and reconstruction. Annals of the Academy of Medicine, Singapore, 2008, 37, 330-40.	0.4	19
54	Discriminant Validity of the Western Ontario and McMaster Universities Osteoarthritis Index Physical Functioning Subscale in Community Samples With Hip Osteoarthritis. Archives of Physical Medicine and Rehabilitation, 2009, 90, 1772-1777.	0.9	17

#	ARTICLE	IF	CITATIONS
55	Cross-sectional association between muscle strength and self-reported physical function in 195 hip osteoarthritis patients. <i>Seminars in Arthritis and Rheumatism</i> , 2017, 46, 387-394.	3.4	17
56	Poor knee function after ACL reconstruction is associated with attenuated landing force and knee flexion moment during running. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2018, 26, 391-398.	4.2	17
57	Association of wrist and forearm range of motion measures with self-reported functional scores amongst patients with distal radius fractures: a longitudinal study. <i>BMC Musculoskeletal Disorders</i> , 2018, 19, 142.	1.9	17
58	Gait Velocity and Joint Power Generation After Stroke. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2019, 98, 841-849.	1.4	16
59	Effects of allometric scaling and isokinetic testing methods on the relationship between countermovement jump and quadriceps torque and power. <i>Journal of Sports Sciences</i> , 2006, 24, 423-432.	2.0	15
60	Development of a Prediction Model to Estimate the Risk of Walking Limitations in Patients with Total Knee Arthroplasty. <i>Journal of Rheumatology</i> , 2016, 43, 419-426.	2.0	15
61	The reliability of a maximal isometric hip strength and simultaneous surface EMG screening protocol in elite, junior rugby league athletes. <i>Journal of Science and Medicine in Sport</i> , 2017, 20, 139-145.	1.3	15
62	Associations of isokinetic and isotonic knee strength with knee function and activity level after anterior cruciate ligament reconstruction: a prospective cohort study. <i>Knee</i> , 2017, 24, 1067-1074.	1.6	14
63	Modifiable Factors Associated With Poststroke Physical Activity at Discharge From Rehabilitation: Prospective Cohort Study. <i>Physical Therapy</i> , 2020, 100, 818-828.	2.4	14
64	Sunday Physiotherapy Reduces Inpatient Stay in Knee Arthroplasty: A Retrospective Cohort Study. <i>Archives of Physical Medicine and Rehabilitation</i> , 2011, 92, 880-885.	0.9	13
65	Knee extension range of motion and self-report physical function in total knee arthroplasty: mediating effects of knee extensor strength. <i>BMC Musculoskeletal Disorders</i> , 2013, 14, 33.	1.9	13
66	Preliminary Prediction Model for Fear-Induced Activity Limitation After Total Knee Arthroplasty in People 60 Years and Older: Prospective Cohort Study. <i>Archives of Physical Medicine and Rehabilitation</i> , 2013, 94, 503-509.	0.9	13
67	The Influence of Cervical Spine Flexion-Rotation Range-of-Motion Asymmetry on Postural Stability in Older Adults. <i>Spine</i> , 2013, 38, 1648-1655.	2.0	13
68	Evaluation of the STarT Back Screening Tool for Prediction of Low Back Pain Intensity in an Outpatient Physical Therapy Setting. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2017, 47, 261-267.	3.5	13
69	Gluteal tendinopathy and hip osteoarthritis: Different pathologies, different hip biomechanics. <i>Gait and Posture</i> , 2018, 61, 459-465.	1.4	12
70	Age- and sex-based recovery curves to track functional outcomes in older adults with total knee arthroplasty. <i>Age and Ageing</i> , 2018, 47, 144-148.	1.6	12
71	Sex-specific walking kinematics and kinetics in individuals with unilateral, symptomatic hip osteoarthritis: A cross sectional study. <i>Gait and Posture</i> , 2018, 65, 234-239.	1.4	12
72	Association between seated postural control and gait speed in knee osteoarthritis. <i>Gait and Posture</i> , 2013, 37, 413-418.	1.4	11

#	ARTICLE	IF	CITATIONS
73	Association between rehabilitation attendance and physical function following discharge after total knee arthroplasty: prospective cohort study. <i>Osteoarthritis and Cartilage</i> , 2017, 25, 462-469.	1.3	11
74	Evaluation of the Wii Balance Board for Walking Aids Prediction: Proof-of-Concept Study in Total Knee Arthroplasty. <i>PLoS ONE</i> , 2015, 10, e0117124.	2.5	11
75	Development and preliminary validation of a leadership competency instrument for existing and emerging allied health professional leaders. <i>BMC Health Services Research</i> , 2016, 16, 64.	2.2	10
76	Validity of a low-cost laser with freely available software for improving measurement of walking and running speed. <i>Journal of Science and Medicine in Sport</i> , 2019, 22, 212-216.	1.3	10
77	SeeSway – A free web-based system for analysing and exploring standing balance data. <i>Computer Methods and Programs in Biomedicine</i> , 2018, 159, 31-36.	4.7	9
78	Examining Different Aspects of Functional Performance Using a Variety of Bench Throw Techniques. <i>Journal of Strength and Conditioning Research</i> , 2010, 24, 2755-2761.	2.1	8
79	Associations of Self-Report Physical Function With Knee Strength and Knee Range-Of-Motion in Total Knee Arthroplasty Possible Nonlinear and Threshold Effects. <i>Journal of Arthroplasty</i> , 2013, 28, 1521-1527.	3.1	8
80	Frontal plane hip joint loading according to pain severity in people with hip osteoarthritis. <i>Journal of Orthopaedic Research</i> , 2018, 36, 1637-1644.	2.3	8
81	Physical Performance Predictor Measures in Older Adults With Falls-Related Emergency Department Visits. <i>Journal of the American Medical Directors Association</i> , 2019, 20, 780-784.	2.5	8
82	Mandatory continuing professional education in pharmacy: the Singapore experience. <i>International Journal of Clinical Pharmacy</i> , 2013, 35, 570-576.	2.1	7
83	A Perspective on Osteoarthritis Research in Singapore. <i>Proceedings of Singapore Healthcare</i> , 2013, 22, 31-39.	0.6	7
84	Feasibility, correlates, and validity of the one-leg sit-to-stand test in individuals following anterior cruciate ligament reconstruction. <i>Physical Therapy in Sport</i> , 2021, 52, 280-286.	1.9	7
85	Reference Ranges for Gait Speed and Sit-to-Stand Performance in a Cohort of Mobility-Intact Community-Dwelling Older Adults From Singapore. <i>Journal of the American Medical Directors Association</i> , 2022, 23, 1579-1584.e1.	2.5	7
86	Author response to the letter: On ‘‘Validity and reliability of the Nintendo Wii Balance Board for assessment of standing balance’’ Are the conclusions stated by the authors justified?. <i>Gait and Posture</i> , 2014, 39, 1151-1154.	1.4	6
87	Correspondence: Time-based versus repetition-based sit-to-stand measures: choice of metrics matters. <i>Journal of Physiotherapy</i> , 2018, 64, 200-201.	1.7	6
88	Greater knee flexion excursion/moment in hopping is associated with better knee function following anterior cruciate ligament reconstruction. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2019, 27, 596-603.	4.2	6
89	Knee performance and self-efficacy trajectory curves after ACL reconstruction: A longitudinal study. <i>Physical Therapy in Sport</i> , 2021, 49, 157-163.	1.9	6
90	Functional heterogeneity and outcomes in community-dwelling women with osteoporosis, with and without a history of falls. <i>Gait and Posture</i> , 2014, 39, 971-977.	1.4	5

#	ARTICLE	IF	CITATIONS
91	Comparative performance of isometric and isotonic quadriceps strength testing in total knee arthroplasty. <i>Musculoskeletal Science and Practice</i> , 2018, 37, 17-19.	1.3	5
92	Developing item banks to measure three important domains of health-related quality of life (HRQOL) in Singapore. <i>Health and Quality of Life Outcomes</i> , 2020, 18, 2.	2.4	5
93	Reliability of peak foot pressure in patients with previous diabetic foot ulceration. <i>Gait and Posture</i> , 2019, 70, 6-11.	1.4	4
94	Associations of the modified STarT back tool and Hospital Anxiety and Depression Scale (HADS) with gait speed and knee pain in knee osteoarthritis: a retrospective cohort study. <i>Disability and Rehabilitation</i> , 2022, 44, 4452-4458.	1.8	4
95	Early postoperative straight leg raise is associated with shorter length of stay after unilateral total knee arthroplasty. <i>Journal of Orthopaedic Surgery</i> , 2021, 29, 230949902110022.	1.0	4
96	Categorization of Low Cardiorespiratory Fitness Using Obesity Indices in Non-smoking Singaporean Women. <i>Obesity</i> , 2006, 14, 1992-1999.	3.0	3
97	Test-retest reliability and variability of knee adduction moment peak, impulse and loading rate during walking. <i>Gait and Posture</i> , 2020, 80, 113-116.	1.4	3
98	Digital bathroom scales with open source software provide valid dynamic ground reaction force data for assessment and biofeedback. <i>Gait and Posture</i> , 2021, 84, 137-140.	1.4	2
99	Sit-to-stand weight-bearing symmetry performance in total knee arthroplasty. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2021, Publish Ahead of Print, .	1.4	2
100	Conceptual Trap. <i>Physiotherapy</i> , 1999, 85, 232.	0.4	1
101	Invited Commentary. <i>Physical Therapy</i> , 2010, 90, 1298-1299.	2.4	1
102	Predicting Mobility Limitations in Patients With Total Knee Arthroplasty in the Inpatient Setting. <i>Archives of Physical Medicine and Rehabilitation</i> , 2019, 100, 2106-2112.	0.9	1
103	Calibration of a physical functioning item bank for measurement of health-related quality of life in Singapore. <i>Quality of Life Research</i> , 2020, 29, 2823-2833.	3.1	1
104	On the Development of a clinical prediction rule for knee arthroplasty. Currier et al. <i>Phys Ther.</i> 2007;87:1106-1119. <i>Physical Therapy</i> , 2007, 87, 1407-1407.	2.4	0
105	An Alternative Explanation. <i>Archives of Physical Medicine and Rehabilitation</i> , 2009, 90, 181.	0.9	0
106	Cross-Sectional and Longitudinal Validity of the Hughston Clinic Knee Questionnaire in Arthroscopic Meniscal Repair. <i>Proceedings of Singapore Healthcare</i> , 2010, 19, 194-201.	0.6	0
107	Immediate effects of valgus bracing on knee joint moments during walking in knee-healthy individuals: Potential modifying effects of body height. <i>Gait and Posture</i> , 2020, 80, 383-390.	1.4	0
108	Paretic and Nonparetic Step Tests Are Noninterchangeable in Stroke: A Prospective Cohort Study. <i>Physical Therapy</i> , 2021, 101, .	2.4	0

#	ARTICLE	IF	CITATIONS
109	Quiet standing postural control variables in subacute stroke: associations with gait and balance, falls prediction and responsiveness. Disability and Rehabilitation, 2022, , 1-8.	1.8	0
110	Screening accuracy of percentage predicted gait speed for prefrailty/frailty in community-dwelling older adults. Geriatrics and Gerontology International, 0, , .	1.5	0