

# Pascal SchÄ¼tz

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

547  
citations

687220

13  
h-index

677027

22  
g-index

28  
all docs

28  
docs citations

28  
times ranked

420  
citing authors

#	ARTICLE	IF	CITATIONS
1	A comprehensive assessment of the musculoskeletal system: The CAMS-Knee data set. <i>Journal of Biomechanics</i> , 2017, 65, 32-39.	0.9	82
2	Kinematic Evaluation of the GMK Sphere Implant During Gait Activities: A Dynamic Videofluoroscopy Study. <i>Journal of Orthopaedic Research</i> , 2019, 37, 2337-2347.	1.2	53
3	Validation of functional calibration and strap-down joint drift correction for computing 3D joint angles of knee, hip, and trunk in alpine skiing. <i>PLoS ONE</i> , 2017, 12, e0181446.	1.1	48
4	An Inertial Sensor-Based Method for Estimating the Athlete's Relative Joint Center Positions and Center of Mass Kinematics in Alpine Ski Racing. <i>Frontiers in Physiology</i> , 2017, 8, 850.	1.3	39
5	A moving fluoroscope to capture tibiofemoral kinematics during complete cycles of free level and downhill walking as well as stair descent. <i>PLoS ONE</i> , 2017, 12, e0185952.	1.1	39
6	Subject-specific modeling of muscle force and knee contact in total knee arthroplasty. <i>Journal of Orthopaedic Research</i> , 2016, 34, 1576-1587.	1.2	36
7	The Capacity of Generic Musculoskeletal Simulations to Predict Knee Joint Loading Using the CAMS-Knee Datasets. <i>Annals of Biomedical Engineering</i> , 2020, 48, 1430-1440.	1.3	29
8	Knee implant kinematics are task-dependent. <i>Journal of the Royal Society Interface</i> , 2019, 16, 20180678.	1.5	26
9	Evaluation of an intensity-based algorithm for 2D/3D registration of natural knee videofluoroscopy data. <i>Medical Engineering and Physics</i> , 2020, 77, 107-113.	0.8	24
10	Tibio-femoral kinematics of the healthy knee joint throughout complete cycles of gait activities. <i>Journal of Biomechanics</i> , 2020, 110, 109915.	0.9	22
11	Joint Angles of the Ankle, Knee, and Hip and Loading Conditions During Split Squats. <i>Journal of Applied Biomechanics</i> , 2014, 30, 373-380.	0.3	20
12	Elongation Patterns of the Collateral Ligaments After Total Knee Arthroplasty Are Dominated by the Knee Flexion Angle. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 323.	2.0	19
13	Length-Change Patterns of the Collateral Ligaments During Functional Activities After Total Knee Arthroplasty. <i>Annals of Biomedical Engineering</i> , 2020, 48, 1396-1406.	1.3	16
14	Influence of the moving fluoroscope on gait patterns. <i>PLoS ONE</i> , 2018, 13, e0200608.	1.1	13
15	Medial unicompartmental knee arthroplasty in ACL-deficient knees is a viable treatment option: in vivo kinematic evaluation using a moving fluoroscope. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2020, 28, 1765-1773.	2.3	11
16	The effect of elevating the heels on spinal kinematics and kinetics during the back squat in trained and novice weight trainers. <i>Journal of Sports Sciences</i> , 2020, 38, 1000-1008.	1.0	11
17	Tibio-Femoral Contact Force Distribution is Not the Only Factor Governing Pivot Location after Total Knee Arthroplasty. <i>Scientific Reports</i> , 2019, 9, 182.	1.6	10
18	European Society of Biomechanics S.M. Perren Award 2022: Standardized tibio-femoral implant loads and kinematics. <i>Journal of Biomechanics</i> , 2022, 141, 111171.	0.9	10

#	ARTICLE	IF	CITATIONS
19	The influence of muscle-tendon forces on ACL loading during jump landing: a systematic review. <i>Muscles, Ligaments and Tendons Journal</i> , 2017, 7, 125.	0.1	7
20	Videofluoroscopic Evaluation of the Influence of a Gradually Reducing Femoral Radius on Joint Kinematics During Daily Activities in Total Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2020, 35, 3010-3030.	1.5	6
21	In Vivo Elongation Patterns of the Collateral Ligaments in Healthy Knees During Functional Activities. <i>Journal of Bone and Joint Surgery - Series A</i> , 2021, 103, 1620-1627.	1.4	6
22	Elongation Patterns of the Posterior Cruciate Ligament after Total Knee Arthroplasty. <i>Journal of Clinical Medicine</i> , 2020, 9, 2078.	1.0	5
23	Dynamic Knee Joint Line Orientation Is Not Predictive of Tibio-Femoral Load Distribution During Walking. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 754715.	2.0	5
24	Chest Exercises: Movement and Loading of Shoulder, Elbow and Wrist Joints. <i>Sports</i> , 2022, 10, 19.	0.7	3
25	ISB clinical biomechanics award winner 2021: "Tibio-femoral kinematics of natural versus replaced knees – A comparison using dynamic videofluoroscopy. <i>Clinical Biomechanics</i> , 2022, 96, 105667.	0.5	3
26	Can tibio-femoral kinematic and kinetic parameters reveal poor functionality and underlying deficits after total knee replacement? A systematic review. <i>Knee</i> , 2022, 34, 62-75.	0.8	2