

# 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	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
2	Chest Exercises: Movement and Loading of Shoulder, Elbow and Wrist Joints. <i>Sports</i> , 2022, 10, 19.	0.7	3
3	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
4	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
5	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
6	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
7	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
8	Elongation Patterns of the Posterior Cruciate Ligament after Total Knee Arthroplasty. <i>Journal of Clinical Medicine</i> , 2020, 9, 2078.	1.0	5
9	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
10	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
11	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
12	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
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	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
15	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
16	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
17	Knee implant kinematics are task-dependent. <i>Journal of the Royal Society Interface</i> , 2019, 16, 20180678.	1.5	26
18	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

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19	Influence of the moving fluoroscope on gait patterns. PLoS ONE, 2018, 13, e0200608.	1.1	13
20	A comprehensive assessment of the musculoskeletal system: The CAMS-Knee data set. Journal of Biomechanics, 2017, 65, 32-39.	0.9	82
21	An Inertial Sensor-Based Method for Estimating the Athlete's Relative Joint Center Positions and Center of Mass Kinematics in Alpine Ski Racing. Frontiers in Physiology, 2017, 8, 850.	1.3	39
22	Validation of functional calibration and strap-down joint drift correction for computing 3D joint angles of knee, hip, and trunk in alpine skiing. PLoS ONE, 2017, 12, e0181446.	1.1	48
23	The influence of muscle-tendon forces on ACL loading during jump landing: a systematic review. Muscles, Ligaments and Tendons Journal, 2017, 7, 125.	0.1	7
24	A moving fluoroscope to capture tibiofemoral kinematics during complete cycles of free level and downhill walking as well as stair descent. PLoS ONE, 2017, 12, e0185952.	1.1	39
25	Subject-specific modeling of muscle force and knee contact in total knee arthroplasty. Journal of Orthopaedic Research, 2016, 34, 1576-1587.	1.2	36
26	Joint Angles of the Ankle, Knee, and Hip and Loading Conditions During Split Squats. Journal of Applied Biomechanics, 2014, 30, 373-380.	0.3	20