# Alain Farron

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/11617899/publications.pdf

Version: 2024-02-01

| 52 | 1,585 | 331670 | 302126 |
|---|---|---|---|
| papers | citations | 21 h-index | 39 g-index |

| 53 | 53 | 53 | 1122 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Association of the Posterior Acromion Extension with Glenoid Retroversion: A CT Study in Normal and Osteoarthritic Shoulders. Journal of Clinical Medicine, 2022, 11, 351. | 2.4 | 2 |
| 2 | Ageâ€•and sexâ€sspecific normativevalues of bone mineral densityin theadultglenoid. Journal of Orthopaedic Research, 2022, , . | 2.3 | 2 |
| 3 | Deep learning for the rapid automatic quantification and characterization of rotator cuff muscle degeneration from shoulder CT datasets. European Radiology, 2021, 31, 181-190. | 4.5 | 28 |
| 4 | Muscle co-contraction in an upper limb musculoskeletal model: EMG-assisted vs. standard load-sharing. Computer Methods in Biomechanics and Biomedical Engineering, 2021, 24, 137-150. | 1.6 | 4 |
| 5 | Feasibility of an alternative method to estimate glenohumeral joint center from videogrammetry measurements and CT/MRI of patients. Computer Methods in Biomechanics and Biomedical Engineering, 2021, 24, 33-42. | 1.6 | 2 |
| 6 | Is preoperative glenoid bone mineral density associated with aseptic glenoid implant loosening in anatomic total shoulder arthroplasty?. BMC Musculoskeletal Disorders, 2021, 22, 49. | 1.9 | 8 |
| 7 | A Matlab toolbox for scaled-generic modeling of shoulder and elbow. Scientific Reports, 2021, 11, 20806. | 3.3 | 1 |
| 8 | A Robotic Glenohumeral Simulator for Investigating Prosthetic Implant Subluxation. Journal of Biomechanical Engineering, 2020, 142, . | 1.3 | 1 |
| 9 | RÃ©duction de la subluxation scapulo-humÃ©rale par implant glÃ©noÃ¯dien anatomique augmentÃ© : comparaison scanographique 3D prÃ©- et postopÃ©ratoire Ã court terme. Revue De Chirurgie Orthopedique Et Traumatologique, 2020, 106, 388-394. | 0.0 | 0 |
| 10 | Reduction of scapulohumeral subluxation with posterior augmented glenoid implants in anatomic total shoulder arthroplasty: Short-term 3D comparison between pre- and post-operative CT. Orthopaedics and Traumatology: Surgery and Research, 2020, 106, 681-686. | 2.0 | 10 |
| 11 | Automated CT bone segmentation using statistical shape modelling and local template matching. Computer Methods in Biomechanics and Biomedical Engineering, 2019, 22, 1303-1310. | 1.6 | 20 |
| 12 | What is the best glenoid configuration in onlay reverse shoulder arthroplasty?. International Orthopaedics, 2018, 42, 1339-1346. | 1.9 | 56 |
| 13 | Biomechanical comparison of glenoid implants with adaptable and fixed backside curvatures in anatomic total shoulder arthroplasty. Journal of Shoulder and Elbow Surgery, 2018, 27, 1656-1663. | 2.6 | 1 |
| 14 | A statistical shape model to predict the premorbid glenoid cavity. Journal of Shoulder and Elbow Surgery, 2018, 27, 1800-1808. | 2.6 | 25 |
| 15 | Impact of a fracture liaison service on patient management after an osteoporotic fracture: the CHUV FLS. Swiss Medical Weekly, 2018, 148, w14579. | 1.6 | 9 |
| 16 | Cement stress predictions after anatomic total shoulder arthroplasty are correlated with preoperative glenoid bone quality. Journal of Shoulder and Elbow Surgery, 2017, 26, 1644-1652. | 2.6 | 21 |
| 17 | A simulation framework for humeral head translations. Medical Engineering and Physics, 2017, 49, 140-147. | 1.7 | 7 |
| 18 | Effects of glenoid inclination and acromion index on humeral head translation and glenoid articular cartilage strain. Journal of Shoulder and Elbow Surgery, 2017, 26, 157-164. | 2.6 | 29 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Heightened clinical utility of smartphone versus body-worn inertial system for shoulder function B-B score. PLoS ONE, 2017, 12, e0174365. | 2.5 | 8 |
| 20 | Modelling of the human shoulder as a parallel mechanism without constraints. Mechanism and Machine Theory, 2016, 100, 120-137. | 4.5 | 15 |
| 21 | Biomechanics of Reverse Shoulder Arthroplasty: Contribution of Computer Modeling. , 2016, , 115-122. | | 0 |
| 22 | Effect of partial-thickness tear on loading capacities of the supraspinatus tendon: a finite element analysis. Computer Methods in Biomechanics and Biomedical Engineering, 2016, 19, 875-882. | 1.6 | 10 |
| 23 | Improving anterior deltoid activity in a musculoskeletal shoulder model â€“ an analysis of the torque-feasible space at the sternoclavicular joint. Computer Methods in Biomechanics and Biomedical Engineering, 2016, 19, 450-463. | 1.6 | 4 |
| 24 | Measurement Properties of the Smartphone-Based B-B Score in Current Shoulder Pathologies. Sensors, 2015, 15, 26801-26817. | 3.8 | 6 |
| 25 | Comparison of an EMG-based and a stress-based method to predict shoulder muscle forces. Computer Methods in Biomechanics and Biomedical Engineering, 2015, 18, 1272-1279. | 1.6 | 15 |
| 26 | Effect of humeral stem design on humeral position and range of motion in reverse shoulder arthroplasty. International Orthopaedics, 2015, 39, 2205-2213. | 1.9 | 167 |
| 27 | Alteration and recovery of arm usage in daily activities after rotator cuff surgery. Journal of Shoulder and Elbow Surgery, 2015, 24, 1346-1352. | 2.6 | 13 |
| 28 | Importance of a three-dimensional measure of humeral head subluxation in osteoarthritic shoulders. Journal of Shoulder and Elbow Surgery, 2015, 24, 295-301. | 2.6 | 39 |
| 29 | Muscle moment-arms: a key element in muscle-force estimation. Computer Methods in Biomechanics and Biomedical Engineering, 2015, 18, 506-513. | 1.6 | 5 |
| 30 | Evaluation of muscular activity duration in shoulders with rotator cuff tears using inertial sensors and electromyography. Physiological Measurement, 2014, 35, 2389-2400. | 2.1 | 10 |
| 31 | Activities of daily living with reverse prostheses: importance of scapular compensation for functional mobility of the shoulder. Journal of Shoulder and Elbow Surgery, 2013, 22, 948-953. | 2.6 | 19 |
| 32 | Distribution of arm velocity and frequency of arm usage during daily activity: Objective outcome evaluation after shoulder surgery. Gait and Posture, 2013, 38, 247-252. | 1.4 | 22 |
| 33 | A minimal set of coordinates for describing humanoid shoulder motion. , 2013, , . | | 5 |
| 34 | Effect of a pathological scapular tilt after total shoulder arthroplasty. Computer Methods in Biomechanics and Biomedical Engineering, 2013, 16, 1196-1201. | 1.6 | 0 |
| 35 | Importance of polyethylene thickness in total shoulder arthroplasty: A finite element analysis. Clinical Biomechanics, 2012, 27, 443-448. | 1.2 | 12 |
| 36 | FiabilitÃ© dâ€™un score fonctionnel basÃ© sur lâ€™analyse de deux mouvements fondamentaux de lâ€™Ã©paule. Kinesitherapie, 2012, 12, 24-25. | 0.1 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Dynamical biomechanical model of the shoulder for muscle-force estimation. , 2012, , . | | 0 |
| 38 | Objective evaluation of shoulder function using body-fixed sensors: a new way to detect early treatment failures?. Journal of Shoulder and Elbow Surgery, 2011, 20, 1074-1081. | 2.6 | 31 |
| 39 | A musculoskeletal shoulder model based on pseudo-inverse and null-space optimization. Medical Engineering and Physics, 2010, 32, 1050-1056. | 1.7 | 32 |
| 40 | Biomechanical consequences of humeral component malpositioning after anatomical total shoulder arthroplasty. Journal of Shoulder and Elbow Surgery, 2010, 19, 1184-1190. | 2.6 | 46 |
| 41 | Detection of the movement of the humerus during daily activity. Medical and Biological Engineering and Computing, 2009, 47, 467-474. | 2.8 | 23 |
| 42 | Total shoulder arthroplasty: Downward inclination of the glenoid component to balance supraspinatus deficiency. Journal of Shoulder and Elbow Surgery, 2009, 18, 360-365. | 2.6 | 31 |
| 43 | An algorithm to allow humerus translation in the indeterminate problem of shoulder abduction. Medical Engineering and Physics, 2008, 30, 710-716. | 1.7 | 29 |
| 44 | Estimating dominant upper-limb segments during daily activity. Gait and Posture, 2008, 27, 368-375. | 1.4 | 29 |
| 45 | Arm position during daily activity. Gait and Posture, 2008, 28, 581-587. | 1.4 | 59 |
| 46 | Effect of supraspinatus deficiency on humerus translation and glenohumeral contact force during abduction. Clinical Biomechanics, 2007, 22, 645-651. | 1.2 | 94 |
| 47 | Outcome evaluation in shoulder surgery using 3D kinematics sensors. Gait and Posture, 2007, 25, 523-532. | 1.4 | 56 |
| 48 | Bankart repair for recurrent anterior glenohumeral instability: Results at twenty-nine yearsâ€™ follow-up. Journal of Shoulder and Elbow Surgery, 2006, 15, 203-207. | 2.6 | 74 |
| 49 | Influence of glenohumeral conformity on glenoid stresses after total shoulder arthroplasty. Journal of Shoulder and Elbow Surgery, 2006, 15, 515-520. | 2.6 | 78 |
| 50 | Risks of loosening of a prosthetic glenoid implanted in retroversion. Journal of Shoulder and Elbow Surgery, 2006, 15, 521-526. | 2.6 | 328 |
| 51 | Boneâ€“cement interface of the glenoid component: Stress analysis for varying cement thickness. Clinical Biomechanics, 2005, 20, 710-717. | 1.2 | 61 |
| 52 | Traumatic recurrent anterior dislocation of the shoulder: two- to four-year follow-up of an anatomic open procedure. Journal of Shoulder and Elbow Surgery, 2004, 13, 30-34. | 2.6 | 38 |