# Carlos G Helguero

List of Publications by Year
in descending order



| 16 | 147 | 1477746 6 | 1372195 10 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 17 | 17 | 17 | 240 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | 3D-Printed Guides in Bone Tumor Resection: Studying Their Error and Determining a Safety Margin for Surgery. Orthopedics, 2022, , 1-5. | 0.5 | 2 |
| 2 | Anatomical Engineering and 3D Printing for Surgery and Medical Devices: International Review and Future Exponential Innovations. BioMed Research International, 2022, 2022, 1-28. | 0.9 | 32 |
| 3 | Study of machining strategies for CNC milling of cavities on Ultra High Molecular Weight Polyethylene. Procedia CIRP, 2022, 108, 821-826. | 1.0 | 0 |
| 4 | Mechanical simulation considering anisotropy of trabecular scaffolds for 3D-printed biomimetic bone implants. Procedia CIRP, 2022, 110, 366-371. | 1.0 | 0 |
| 5 | Design of Custom Breast Prosthesis for Additive Manufacturing Production. Lecture Notes in Networks and Systems, 2021, , 74-81. | 0.5 | 0 |
| 6 | Positioning assessment of surgical cutting guides for osteosarcoma resection utilizing 3D scanning technology. Procedia CIRP, 2020, 89, 176-181. | 1.0 | 1 |
| 7 | Quantifying Discrepancies at Positioning Custom 3D-Printed Surgical Guides for Bone Tumor Resection. Advances in Intelligent Systems and Computing, 2020, , 103-109. | 0.5 | 0 |
| 8 | Methodology for design process of a snap-fit joint made by additive manufacturing. Procedia CIRP, 2019, 79, 113-118. | 1.0 | 12 |
| 9 | Engineering interface inside the operative room: design and simulation of a fracture-plate bending machine. Procedia CIRP, 2019, 79, 655-660. | 1.0 | 1 |
| 10 | A manufacturing approach to functional biomimetic three-dimensional-printed bone implants. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2018, , 146442071881291. | 0.7 | 1 |
| 11 | Trabecular Scaffoldsâ€™ Mechanical Properties of Bone Reconstruction Using Biomimetic Implants. Procedia CIRP, 2017, 65, 121-126. | 1.0 | 13 |
| 12 | Improving positioning of 3D-printed surgical guides using image-processing techniques. , 2017, , . | | 3 |
| 13 | Biomechanical properties of 3D-printed bone scaffolds are improved by treatment with CRFP. Journal of Orthopaedic Surgery and Research, 2017, 12, 195. | 0.9 | 17 |
| 14 | Prostate cancer markers: An update. Biomedical Reports, 2016, 4, 263-268. | 0.9 | 43 |
| 15 | Improving the accuracy of wide resection of bone tumors and enhancing implant fit: A cadaveric study. Journal of Orthopaedics, 2015, 12, S188-S194. | 0.6 | 21 |
| 16 | Novel Positioning Feedback System as a Guidance in Bone Tumor Resection. Surgical Innovation, 0, , 155335062211060. | 0.4 | 1 |