# Carmen Torres-Sanchez

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 36 papers | 943 citations | 758635 12 h-index | 454577 30 g-index |
| 36 all docs | 36 docs citations | 36 times ranked | 1286 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Comparison of Selective Laser Melted Commercially Pure Titanium Sheetâ€Based Triply Periodic Minimal Surfaces and Trabecularâ€Like Strutâ€Based Scaffolds for Tissue Engineering. Advanced Engineering Materials, 2022, 24, 2100527. | 1.6 | 7 |
| 2 | Comparison of Selective Laser Melted Commercially Pure Titanium Sheetâ€Based Triply Periodic Minimal Surfaces and Trabecularâ€Like Strutâ€Based Scaffolds for Tissue Engineering. Advanced Engineering Materials, 2022, 24, . | 1.6 | 3 |
| 3 | Enhanced interfacial adhesion and mechanical performance of lightweight polyurethane foam reinforced with a low content of aligned magnetised short carbon fibres. Composite Interfaces, 2021, 28, 309-328. | 1.3 | 2 |
| 4 | The impact of multimodal pore size considered independently from porosity on mechanical performance and osteogenic behaviour of titanium scaffolds. Materials Science and Engineering C, 2021, 124, 112026. | 3.8 | 15 |
| 5 | Monitoring the continuous manufacture of a polymeric foam via a thermokinetic-informed acoustic technique. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2021, 235, 1998-2007. | 1.4 | 3 |
| 6 | The Effect of Energy Density and Nb Content on the Microstructure and Mechanical Properties of Selective Laser Melted Ti-(10-30 wt.%) Nb. Journal of Materials Engineering and Performance, 2021, 30, 8771-8783. | 1.2 | 9 |
| 7 | In-silico design and experimental validation of TiNbTaZrMoSn to assess accuracy of mechanical and biocompatibility predictive models. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 124, 104858. | 1.5 | 3 |
| 8 | Comparison of elastic properties of low-density polymeric foams determined by ultrasonic wave propagation and quasi-static mechanical testing. Materials Letters, 2020, 263, 127243. | 1.3 | 5 |
| 9 | Physico-chemical characterisation of Ti-Nb-Sn alloys surfaces and their osteogenic properties. Surface and Coatings Technology, 2020, 403, 126439. | 2.2 | 5 |
| 10 | Template-free, microscale dimple patterning of pure titanium surface through anodic dissolution using non-aqueous ethylene glycol-TiCl4 electrolytes. Surface and Coatings Technology, 2020, 404, 126555. | 2.2 | 6 |
| 11 | Addition of Sn to TiNb alloys to improve mechanical performance and surface properties conducive to enhanced cell activity. Materials Science and Engineering C, 2020, 115, 110839. | 3.8 | 8 |
| 12 | Sonication for the Porosity Gradation of Foams Meets Replica Templating: A Hybrid Manufacturing Process for Lightweight Multifunctional Structures. Minerals, Metals and Materials Series, 2020, , 13-26. | 0.3 | 0 |
| 13 | Design and manufacture of functional catalyst-carrier structures for the bioorthogonal activation of anticancer agents. New Journal of Chemistry, 2019, 43, 1449-1458. | 1.4 | 17 |
| 14 | Effect of Pore Size, Morphology and Orientation on the Bulk Stiffness of a Porous Ti35Nb4Sn Alloy. Journal of Materials Engineering and Performance, 2018, 27, 2899-2909. | 1.2 | 32 |
| 15 | Correlation of ISO 16840-2:2007 impact damping and hysteresis measures for a sample of wheelchair seating cushions. Assistive Technology, 2018, 30, 77-83. | 1.2 | 6 |
| 16 | Porosity and pore size effect on the properties of sintered Ti35Nb4Sn alloy scaffolds and their suitability for tissue engineering applications. Journal of Alloys and Compounds, 2018, 731, 189-199. | 2.8 | 38 |
| 17 | Magnetic-Assisted Alignment of Reinforcing Functionalized-Fibers in a Composite for Lightweight Structures. , 2018, , . | | 0 |
| 18 | Effective and Ecoâ€friendly Lubrication Protocol Using Nanodiamonds in a Dry Regime for Conveyor Systems in the Beverage Industry. Packaging Technology and Science, 2017, 30, 209-218. | 1.3 | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | A weak-inertia mathematical model of bubble growth in a polymer foam. Journal of Non-Newtonian Fluid Mechanics, 2017, 244, 1-14. | 1.0 | 3 |
| 20 | The effect of pore size and porosity on mechanical properties and biological response of porous titanium scaffolds. Materials Science and Engineering C, 2017, 77, 219-228. | 3.8 | 132 |
| 21 | Development of a nanodiamond-based lubricant for a versatile use in the beverage industry conveyor systems. Industrial Lubrication and Tribology, 2017, 69, 723-729. | 0.6 | 2 |
| 22 | Optimization of assembly instructions for a low-cost housing solution. Information Design Journal, 2016, 22, 32-48. | 0.4 | 1 |
| 23 | PD.04â€...Development and rapid prototyping of an illuminated mirror for waterbirths â€“ from concept to prototype. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2014, 99, A81.3-A82. | 1.4 | 0 |
| 24 | ISO 16840-2:2007 load deflection and hysteresis measurements for a sample of wheelchair seating cushions. Medical Engineering and Physics, 2014, 36, 509-515. | 0.8 | 15 |
| 25 | Development and Bioorthogonal Activation of Palladium-Labile Prodrugs of Gemcitabine. Journal of Medicinal Chemistry, 2014, 57, 5395-5404. | 2.9 | 169 |
| 26 | Extracellular palladium-catalysed dealkylation of 5-fluoro-1-propargyl-uracil as a bioorthogonally activated prodrug approach. Nature Communications, 2014, 5, 3277. | 5.8 | 264 |
| 27 | Morphological and biological characterization of density engineered foams fabricated by ultrasonic sonication. Journal of Materials Science, 2011, 46, 490-499. | 1.7 | 3 |
| 28 | Putting the crowd to work in a knowledge-based factory. Advanced Engineering Informatics, 2010, 24, 243-250. | 4.0 | 28 |
| 29 | Toward Functionally Graded Cellular Microstructures. Journal of Mechanical Design, Transactions of the ASME, 2009, 131, . | 1.7 | 15 |
| 30 | Geometric reasoning via internet CrowdSourcing. , 2009, , . | | 13 |
| 31 | Identification of formation stages in a polymeric foam customised by sonication via electrical resistivity measurements. Journal of Polymer Research, 2009, 16, 461-470. | 1.2 | 23 |
| 32 | Porosity tailoring mechanisms in sonicated polymeric foams. Smart Materials and Structures, 2009, 18, 104001. | 1.8 | 10 |
| 33 | Outsourcing labour to the cloud. International Journal of Innovation and Sustainable Development, 2009, 4, 294. | 0.3 | 35 |
| 34 | Effects of ultrasound on polymeric foam porosity. Ultrasonics Sonochemistry, 2008, 15, 408-415. | 3.8 | 36 |
| 35 | Towards Functionally Graded Cellular Microstructures. , 2008, , . | | 0 |
| 36 | Edge-based identification of DP-features on free-form solids. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2005, 27, 851-860. | 9.7 | 32 |