

Carmen Torres-Sanchez

List of Publications by Year in descending order

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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	Extracellular palladium-catalysed dealkylation of 5-fluoro-1-propargyl-uracil as a bioorthogonally activated prodrug approach. <i>Nature Communications</i> , 2014, 5, 3277.	5.8	264
2	Development and Bioorthogonal Activation of Palladium-Labile Prodrugs of Gemcitabine. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 5395-5404.	2.9	169
3	The effect of pore size and porosity on mechanical properties and biological response of porous titanium scaffolds. <i>Materials Science and Engineering C</i> , 2017, 77, 219-228.	3.8	132
4	Porosity and pore size effect on the properties of sintered Ti35Nb4Sn alloy scaffolds and their suitability for tissue engineering applications. <i>Journal of Alloys and Compounds</i> , 2018, 731, 189-199.	2.8	38
5	Effects of ultrasound on polymeric foam porosity. <i>Ultrasonics Sonochemistry</i> , 2008, 15, 408-415.	3.8	36
6	Outsourcing labour to the cloud. <i>International Journal of Innovation and Sustainable Development</i> , 2009, 4, 294.	0.3	35
7	Edge-based identification of DP-features on free-form solids. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2005, 27, 851-860.	9.7	32
8	Effect of Pore Size, Morphology and Orientation on the Bulk Stiffness of a Porous Ti35Nb4Sn Alloy. <i>Journal of Materials Engineering and Performance</i> , 2018, 27, 2899-2909.	1.2	32
9	Putting the crowd to work in a knowledge-based factory. <i>Advanced Engineering Informatics</i> , 2010, 24, 243-250.	4.0	28
10	Identification of formation stages in a polymeric foam customised by sonication via electrical resistivity measurements. <i>Journal of Polymer Research</i> , 2009, 16, 461-470.	1.2	23
11	Design and manufacture of functional catalyst-carrier structures for the bioorthogonal activation of anticancer agents. <i>New Journal of Chemistry</i> , 2019, 43, 1449-1458.	1.4	17
12	Toward Functionally Graded Cellular Microstructures. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2009, 131, .	1.7	15
13	ISO 16840-2:2007 load deflection and hysteresis measurements for a sample of wheelchair seating cushions. <i>Medical Engineering and Physics</i> , 2014, 36, 509-515.	0.8	15
14	The impact of multimodal pore size considered independently from porosity on mechanical performance and osteogenic behaviour of titanium scaffolds. <i>Materials Science and Engineering C</i> , 2021, 124, 112026.	3.8	15
15	Geometric reasoning via internet CrowdSourcing. , 2009, , .		13
16	Porosity tailoring mechanisms in sonicated polymeric foams. <i>Smart Materials and Structures</i> , 2009, 18, 104001.	1.8	10
17	The Effect of Energy Density and Nb Content on the Microstructure and Mechanical Properties of Selective Laser Melted Ti-(10-30 wt.%) Nb. <i>Journal of Materials Engineering and Performance</i> , 2021, 30, 8771-8783.	1.2	9
18	Addition of Sn to TiNb alloys to improve mechanical performance and surface properties conducive to enhanced cell activity. <i>Materials Science and Engineering C</i> , 2020, 115, 110839.	3.8	8

#	ARTICLE	IF	CITATIONS
19	Comparison of Selective Laser Melted Commercially Pure Titanium Sheet-Based Triply Periodic Minimal Surfaces and Trabecular-Like Strut-Based Scaffolds for Tissue Engineering. <i>Advanced Engineering Materials</i> , 2022, 24, 2100527.	1.6	7
20	Correlation of ISO 16840-2:2007 impact damping and hysteresis measures for a sample of wheelchair seating cushions. <i>Assistive Technology</i> , 2018, 30, 77-83.	1.2	6
21	Template-free, microscale dimple patterning of pure titanium surface through anodic dissolution using non-aqueous ethylene glycol-TiCl ₄ electrolytes. <i>Surface and Coatings Technology</i> , 2020, 404, 126555.	2.2	6
22	Comparison of elastic properties of low-density polymeric foams determined by ultrasonic wave propagation and quasi-static mechanical testing. <i>Materials Letters</i> , 2020, 263, 127243.	1.3	5
23	Physico-chemical characterisation of Ti-Nb-Sn alloys surfaces and their osteogenic properties. <i>Surface and Coatings Technology</i> , 2020, 403, 126439.	2.2	5
24	Morphological and biological characterization of density engineered foams fabricated by ultrasonic sonication. <i>Journal of Materials Science</i> , 2011, 46, 490-499.	1.7	3
25	Effective and Eco-friendly Lubrication Protocol Using Nanodiamonds in a Dry Regime for Conveyor Systems in the Beverage Industry. <i>Packaging Technology and Science</i> , 2017, 30, 209-218.	1.3	3
26	A weak-inertia mathematical model of bubble growth in a polymer foam. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2017, 244, 1-14.	1.0	3
27	Monitoring the continuous manufacture of a polymeric foam via a thermokinetic-informed acoustic technique. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 2021, 235, 1998-2007.	1.4	3
28	In-silico design and experimental validation of TiNbTaZrMoSn to assess accuracy of mechanical and biocompatibility predictive models. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021, 124, 104858.	1.5	3
29	Comparison of Selective Laser Melted Commercially Pure Titanium Sheet-Based Triply Periodic Minimal Surfaces and Trabecular-Like Strut-Based Scaffolds for Tissue Engineering. <i>Advanced Engineering Materials</i> , 2022, 24, .	1.6	3
30	Development of a nanodiamond-based lubricant for a versatile use in the beverage industry conveyor systems. <i>Industrial Lubrication and Tribology</i> , 2017, 69, 723-729.	0.6	2
31	Enhanced interfacial adhesion and mechanical performance of lightweight polyurethane foam reinforced with a low content of aligned magnetised short carbon fibres. <i>Composite Interfaces</i> , 2021, 28, 309-328.	1.3	2
32	Optimization of assembly instructions for a low-cost housing solution. <i>Information Design Journal</i> , 2016, 22, 32-48.	0.4	1
33	PD.04...Development and rapid prototyping of an illuminated mirror for waterbirths " from concept to prototype. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2014, 99, A81.3-A82.	1.4	0
34	Magnetic-Assisted Alignment of Reinforcing Functionalized-Fibers in a Composite for Lightweight Structures. , 2018, , .		0
35	Towards Functionally Graded Cellular Microstructures. , 2008, , .		0
36	Sonication for the Porosity Gradation of Foams Meets Replica Templating: A Hybrid Manufacturing Process for Lightweight Multifunctional Structures. <i>Minerals, Metals and Materials Series</i> , 2020, , 13-26.	0.3	0