

Carl Diver

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

797
citations

932766

10
h-index

839053

18
g-index

18
all docs

18
docs citations

18
times ranked

1145
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancing the Hydrophilicity and Cell Attachment of 3D Printed PCL/Graphene Scaffolds for Bone Tissue Engineering. <i>Materials</i> , 2016, 9, 992.	1.3	230
2	Robot assisted additive manufacturing: A review. <i>Robotics and Computer-Integrated Manufacturing</i> , 2019, 59, 335-345.	6.1	165
3	Polymer-Ceramic Composite Scaffolds: The Effect of Hydroxyapatite and β -tri-Calcium Phosphate. <i>Materials</i> , 2018, 11, 129.	1.3	121
4	Sequential Laser and EDM Micro-drilling for Next Generation Fuel Injection Nozzle Manufacture. <i>CIRP Annals - Manufacturing Technology</i> , 2006, 55, 179-182.	1.7	82
5	Metallic bone fixation implants: a novel design approach for reducing the stress shielding phenomenon. <i>Virtual and Physical Prototyping</i> , 2017, 12, 141-151.	5.3	57
6	3D-Printed Poly(ϵ -caprolactone)/Graphene Scaffolds Activated with P1-Latex Protein for Bone Regeneration. <i>3D Printing and Additive Manufacturing</i> , 2018, 5, 127-137.	1.4	33
7	Heliogyro solar sail with self-regulated centrifugal deployment enabled by an origami-inspired morphing reflector. <i>Acta Astronautica</i> , 2018, 152, 242-253.	1.7	22
8	A review of physical experimental research in jet electrochemical machining. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 105, 651-667.	1.5	22
9	Lightweight Self-Forming Super-Elastic Mechanical Metamaterials with Adaptive Stiffness. <i>Advanced Functional Materials</i> , 2021, 31, 2008252.	7.8	14
10	Flexible heat shields deployed by centrifugal force. <i>Acta Astronautica</i> , 2018, 152, 78-87.	1.7	11
11	Assessing the Environmental Performance of Machine Tools – Case Studies Applying the “LCA to go”™ Webtool. <i>Procedia CIRP</i> , 2015, 29, 502-507.	1.0	10
12	The Prediction of Surface Finish and Cutting Speed for Wire Electro-discharge Machining of Polycrystalline Diamond. <i>Procedia CIRP</i> , 2016, 42, 297-304.	1.0	10
13	Rigidisation of deployable space polymer membranes by heat-activated self-folding. <i>Smart Materials and Structures</i> , 2018, 27, 105037.	1.8	6
14	Downrange manoeuvre and oscillation suppression of a self-regulating centrifugally deployed flexible heat shield using a controlled reaction wheel. <i>Acta Astronautica</i> , 2019, 161, 415-424.	1.7	4
15	Deployable self-regulating centrifugally-stiffened decelerator (DESCENT): Design scalability and low altitude drop test. <i>Aerospace Science and Technology</i> , 2021, 114, 106710.	2.5	4
16	The Development of a Pulsed Power Supply for $\frac{1}{4}$ ECM. <i>Procedia CIRP</i> , 2016, 42, 809-814.	1.0	3
17	Preliminary Characterization of a Polycaprolactone-SurgihoneyRO Electrospun Mesh for Skin Tissue Engineering. <i>Materials</i> , 2022, 15, 89.	1.3	2
18	Ultra-short pulse simulation for characterising oxide layer formation on stainless steel during $\frac{1}{4}$ ECM. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2020, 31, 370-376.	2.3	1