Ruth D Goodridge

List of Publications by Year
in descending order

37 papers	2,706 citations	236833 25 h-index	360920 35 g-index
43 all docs	43 docs citations	43 times ranked	2692 citing authors

#	Article	IF	Citations
1	Laser sintering of polyamides and other polymers. Progress in Materials Science, 2012, 57, 229-267.	16.0	623
2	Additive manufacturing of advanced ceramic materials. Progress in Materials Science, 2021, 116, 100736.	16.0	323
3	Processing of a Polyamide-12/carbon nanofibre composite by laser sintering. Polymer Testing, 2011, 30, 94-100.	2.3	195
4	The effect of laser remelting on the surface chemistry of Ti6al4V components fabricated by selective laser melting. Journal of Materials Processing Technology, 2016, 232, 1-8.	3.1	156
5	Design and additive manufacture for flow chemistry. Lab on A Chip, 2013, 13, 4583.	3.1	155
6	An experimental study into the effects of bulk and flow behaviour of laser sintering polymer powders on resulting part properties. Journal of Materials Processing Technology, 2015, 215, 239-250.	3.1	119
7	Surface chemistry of Ti6Al4V components fabricated using selective laser melting for biomedical applications. Materials Science and Engineering C, 2016, 67, 294-303.	3.8	88
8	Improving the mechanical properties of laserâ€sintered polyamide 12 through incorporation of carbon nanotubes. Polymer Engineering and Science, 2013, 53, 1937-1946.	1.5	84
9	Influence of carbon nanotubes on the rheology and dynamic mechanical properties of polyamide-12 for laser sintering. Polymer Testing, 2014, 36, 95-100.	2.3	83
10	An empirical study into laser sintering of ultra-high molecular weight polyethylene (UHMWPE). Journal of Materials Processing Technology, 2010, 210, 72-80.	3.1	82
11	Biological evaluation of an apatiteâ€“mullite glass-ceramic produced via selective laser sintering. Acta Biomaterialia, 2007, 3, 221-231.	4.1	81
12	Thermal Influence of CNT on the Polyamide 12 Nanocomposite for Selective Laser Sintering. Molecules, 2015, 20, 19041-19050.	1.7	72
13	Tuneable 3D printed bioreactors for transaminations under continuous-flow. Green Chemistry, 2017, 19, 5345-5349.	4.6	63
14	Functionalisation of Ti6Al4V components fabricated using selective laser melting with a bioactive compound. Materials Science and Engineering C, 2015, 46, 52-61.	3.8	57
15	Advanced reactor engineering with 3D printing for the continuous-flow synthesis of silver nanoparticles. Reaction Chemistry and Engineering, 2017, 2, 129-136.	1.9	56
16	Effect of long-term ageing on the tensile properties of a polyamide 12 laser sintering material. Polymer Testing, 2010, 29, 483-493.	2.3	50
17	Fabrication of Polylactideâ€Based Biodegradable Thermoset Scaffolds for Tissue Engineering Applications. Macromolecular Materials and Engineering, 2013, 298, 45-52.	1.7	42
18	Evaluation of selective laser sintering processes by optical coherence tomography. Materials and Design, 2015, 88, 837-846.	3.3	39

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19	3D printed fluidics with embedded analytic functionality for automated reaction optimisation. Beilstein Journal of Organic Chemistry, 2017, 13, 111-119.	1.3	37
20	Additive manufacturing of glass with laser powder bed fusion. Journal of the American Ceramic Society, 2019, 102, 4410-4414.	1.9	36
21	Additive manufacturing. Materials Science and Technology, 2015, 31, 881-883.	0.8	34
22	Nanostructural characterization of carbon nanotubes in laser-sintered polyamide 12 by 3D-TEM. Journal of Materials Research, 2014, 29, 1817-1823.	1.2	31
23	Aging behavior of thermoplastic elastomers in the laser sintering process. Journal of Materials Research, 2014, 29, 1841-1851.	1.2	30
24	Immobilisation of an antibacterial drug to Ti6Al4V components fabricated using selective laser melting. Applied Surface Science, 2014, 314, 642-654.	3.1	27
25	Processing and characterization of a polylactic acid/nanoclay composite for laser sintering. Polymer Composites, 2017, 38, 2570-2576.	2.3	27
26	Laser sintering of nano-hydroxyapatite coated polyamide 12 powders. Additive Manufacturing, 2018, 22, 560-570.	1.7	22
27	In-process measurement and monitoring of a polymer laser sintering powder bed with fringe projection. Materials and Design, 2018, 157, 227-234.	3.3	21
28	Mass customization of medical devices and implants: state of the art and future directions. Virtual and Physical Prototyping, 2006, 1, 137-145.	5.3	14
29	Continuous-flow crystallisation in 3D-printed compact devices. Reaction Chemistry and Engineering, 2019, 4, 1682-1688.	1.9	12
30	Direct ink writing of boron carbide monoliths. Journal of the European Ceramic Society, 2021, 41, 76-92.	2.8	11
31	Laser sintering of polymer nanocomposites. Advanced Industrial and Engineering Polymer Research, 2021, 4, 277-300.	2.7	10
32	Dispersion and stability of colloidal boron carbide suspensions. Ceramics International, 2020, 46, 27957-27966.	2.3	8
33	Reactive Jetting of High Viscosity Nanocomposites for Dielectric Elastomer Actuation. Advanced Materials Technologies, 0, , 2101111.	3.0	6
34	Electrochemical Oscillatory Baffled Reactors Fabricated with Additive Manufacturing for Efficient Continuous-Flow Oxidations. ACS Sustainable Chemistry and Engineering, 2022, 10, 2388-2396.	3.2	6
35	Laser powder bed fusion of soda lime silica glass: Optimisation of processing parameters and evaluation of part properties. Additive Manufacturing, 2021, 39, 101880.	1.7	5
36	Additively Manufactured Advanced Flow Reactors for Enhanced Heat and Mass Transfer. RSC Green Chemistry, 2019, , 416-439.	0.0	1

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37	Towards in-situ process monitoring in selective laser sintering using optical coherence tomography. Proceedings of SPIE, 2016, , .	0.8	0