

Kedarnath K Rane

List of Publications by Year in descending order

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21
papers

385
citations

687363

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794594

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22
all docs

22
docs citations

22
times ranked

272
citing authors

#	ARTICLE	IF	CITATIONS
1	Implementation of viscosity and density models for improved numerical analysis of melt flow dynamics in the nozzle during extrusion-based additive manufacturing. <i>Progress in Additive Manufacturing</i> , 2022, 7, 41-54.	4.8	17
2	A dimensional analysis based model to predict completion of solvent debinding step for Metal Injection Moulded parts. <i>Advances in Materials and Processing Technologies</i> , 2021, 7, 241-261.	1.4	2
3	The effect of printing parameters on sintered properties of extrusion-based additively manufactured stainless steel 316L parts. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 114, 3057-3067.	3.0	19
4	Rapid production of AZ91 Mg alloy by extrusion based additive manufacturing process. <i>Powder Metallurgy</i> , 2021, 64, 370-377.	1.7	13
5	Extrusion-based additive manufacturing of forming and molding tools. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 117, 2059-2071.	3.0	17
6	Effect of printing parameters on mechanical properties of extrusion-based additively manufactured ceramic parts. <i>Ceramics International</i> , 2021, 47, 12189-12198.	4.8	17
7	Evolution of porosity and geometrical quality through the ceramic extrusion additive manufacturing process stages. <i>Additive Manufacturing</i> , 2020, 32, 101038.	3.0	16
8	Role of elongational viscosity of feedstock in extrusion-based additive manufacturing of powder-binder mixtures. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 107, 4389-4402.	3.0	5
9	Determination of process induced dimensional variations of ceramic parts, 3d printed by extrusion of a powder-binder feedstock. <i>Procedia Manufacturing</i> , 2019, 34, 560-565.	1.9	11
10	Rapid surface quality assessment of green 3D printed metal-binder parts. <i>Journal of Manufacturing Processes</i> , 2019, 38, 290-297.	5.9	20
11	Extrusion of metal powder-polymer mixtures: Melt rheology and process stability. <i>Journal of Materials Processing Technology</i> , 2019, 273, 116250.	6.3	30
12	A comprehensive review of extrusion-based additive manufacturing processes for rapid production of metallic and ceramic parts. <i>Advances in Manufacturing</i> , 2019, 7, 155-173.	6.1	110
13	Evolution of properties of parts during MIM and sintering of recycled oxide particles. <i>Powder Metallurgy</i> , 2019, 62, 133-145.	1.7	3
14	Processability of SS316L powder - binder mixtures for vertical extrusion and deposition on table tests. <i>Powder Technology</i> , 2019, 345, 553-562.	4.2	22
15	Recycling Potential for Finely Divided Ferrous Metallic Scrap Using Powder Technology. <i>Recycling</i> , 2018, 3, 59.	5.0	2
16	On the Formation and Distribution of In Situ Synthesized TiB ₂ Reinforcements in Cast Aluminium Matrix Composites. <i>Journal of Composites Science</i> , 2018, 2, 52.	3.0	9
17	Rapid production of hollow SS316 profiles by extrusion based additive manufacturing. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	13
18	Sustainable Recycling of Ferrous Metallic Scrap Using Powder Metallurgy Process. <i>Journal of Sustainable Metallurgy</i> , 2017, 3, 251-264.	2.3	8

#	ARTICLE	IF	CITATIONS
19	Wear Behavior and Its Correlation with Mechanical Properties of TiB ₂ Reinforced Aluminium-Based Composites. Advances in Tribology, 2011, 2011, 1-8.	2.1	21
20	Effect of KBF ₄ and K ₂ TiF ₆ on precipitation kinetics of TiB ₂ in aluminium matrix composite. Advanced Materials Letters, 2011, 2, 210-216.	0.6	20
21	Rheological Investigation of MIM Feedstocks for Reducing Frictional Effects during Injection Moulding. Advanced Materials Research, 0, 966-967, 196-205.	0.3	10