

# Kunal H Kate

## List of Publications by Year in descending order

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30  
papers

999  
citations

516710

16  
h-index

454955

30  
g-index

30  
all docs

30  
docs citations

30  
times ranked

1106  
citing authors

#	ARTICLE	IF	CITATIONS
1	First report on fabrication and characterization of soybean hull fiber: polymer composite filaments for fused filament fabrication. <i>Progress in Additive Manufacturing</i> , 2021, 6, 39-52.	4.8	17
2	Factors affecting properties of Ti-6Al-4V alloy additive manufactured by metal fused filament fabrication. <i>Powder Technology</i> , 2021, 386, 9-19.	4.2	33
3	Estimating Powder-Polymer Material Properties Used in Design for Metal Fused Filament Fabrication (DfMF3). <i>Jom</i> , 2020, 72, 485-495.	1.9	30
4	Structure and thermal stability of cellulose nanocrystal/polysulfone nanocomposites. <i>Materials Today Communications</i> , 2020, 22, 100797.	1.9	11
5	Processing of hydroxyapatite and its composites using ceramic fused filament fabrication (CF3). <i>Ceramics International</i> , 2020, 46, 23922-23931.	4.8	10
6	Printability studies of Ti-6Al-4V by metal fused filament fabrication (MF3). <i>International Journal of Refractory Metals and Hard Materials</i> , 2020, 91, 105249.	3.8	63
7	Controlling Thermoplastic Elastomer Optical Properties by Mechanical Processing. <i>MRS Advances</i> , 2019, 4, 1341-1347.	0.9	3
8	Additive manufacturing of natural fiber reinforced polymer composites: Processing and prospects. <i>Composites Part B: Engineering</i> , 2019, 174, 106956.	12.0	329
9	Thermal decomposition behavior and modeling of PMN-PZT ceramic feedstock with varying binder compositions. <i>Materials Research Express</i> , 2019, 6, 065316.	1.6	2
10	Green micromachining of ceramics using tungsten carbide micro-endmills. <i>Journal of Materials Processing Technology</i> , 2019, 267, 268-279.	6.3	16
11	Fabrication of micro-sized piezoelectric structure using powder injection molding with separated mold system. <i>Ceramics International</i> , 2018, 44, 12709-12716.	4.8	17
12	Effect of binder composition on rheological behavior of PMN-PZT ceramic feedstock. <i>Powder Technology</i> , 2018, 330, 19-26.	4.2	23
13	Effects of particle characteristics on the microstructure and mechanical properties of 17-4 PH stainless steel fabricated by laser-powder bed fusion. <i>Powder Technology</i> , 2018, 331, 192-203.	4.2	67
14	Fused filament fabrication 3D printing with low-melt alloys. <i>Progress in Additive Manufacturing</i> , 2018, 3, 51-63.	4.8	15
15	Green Synthesis of Silver Nano-Particles by Use of Edible Oils. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 386-393.	0.9	12
16	Rheological and thermal debinding properties of blended elemental Ti-6Al-4V powder injection molding feedstock. <i>Powder Technology</i> , 2017, 311, 357-363.	4.2	42
17	Influence of feedstock properties on the injection molding of aluminum nitride. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 90, 2813-2826.	3.0	7
18	A novel covalent approach to bio-conjugate silver coated single walled carbon nanotubes with antimicrobial peptide. <i>Journal of Nanobiotechnology</i> , 2016, 14, 58.	9.1	44

#	ARTICLE	IF	CITATIONS
19	Powder injection molding of silicon carbide: processing issues. Metal Powder Report, 2016, 71, 460-464.	0.1	7
20	Simulations and injection molding experiments for aluminum nitride feedstock. Ceramics International, 2016, 42, 194-203.	4.8	10
21	Predicting Powder-Polymer Mixture Properties for PIM Design. Critical Reviews in Solid State and Materials Sciences, 2014, 39, 197-214.	12.3	33
22	Feedstock properties and injection molding simulations of bimodal mixtures of nanoscale and microscale aluminum nitride. Ceramics International, 2013, 39, 6887-6897.	4.8	42
23	Sono-Chemical Synthesis of ZnO Nano-Particles and Their Application in Hydrogen Sulphide Gas Sensing. Journal of Nanoscience and Nanotechnology, 2012, 12, 2791-2796.	0.9	7
24	Measurements of Powder-Polymer Mixture Properties and Their Use in Powder Injection Molding Simulations for Aluminum Nitride. Jom, 2012, 64, 1048-1058.	1.9	22
25	Powder Injection Molding of Ceramic Engine Components for Transportation. Jom, 2012, 64, 388-392.	1.9	17
26	Microwave Formation of Polypyrrole/Ag Nano-Composite Based on Interfacial Polymerization by use of AgNO <sub>3</sub> . Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2011, 41, 199-202.	0.6	16
27	Synthesis of CaCO <sub>3</sub> -P(MMA-BA) nanocomposite and its application in water based alkyd emulsion coating. Progress in Organic Coatings, 2011, 72, 632-637.	3.9	21
28	Glycerol Mediated Low Temperature Synthesis of Nickel Nanoparticles by Solution Reduction Method. Journal of Nanoscience and Nanotechnology, 2011, 11, 5131-5136.	0.9	10
29	Nano-Silver Mediated Polymerization of Pyrrole: Synthesis and Gas Sensing Properties of Polypyrrole (PPy)/Ag Nano-Composite. Journal of Nanoscience and Nanotechnology, 2011, 11, 7863-7869.	0.9	49
30	Hydrodynamic Cavitation-Assisted Synthesis of Nanocalcite. International Journal of Chemical Engineering, 2010, 2010, 1-8.	2.4	24