

Parmesh J Gajjar

List of Publications by Year in descending order

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papers

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840119

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377
citing authors

#	ARTICLE	IF	CITATIONS
1	Crystallographic tomography and molecular modelling of structured organic polycrystalline powders. <i>CrystEngComm</i> , 2021, 23, 2520-2531.	1.3	8
2	Size segregation of irregular granular materials captured by time-resolved 3D imaging. <i>Scientific Reports</i> , 2021, 11, 8352.	1.6	12
3	Unlocking secrets of inhalation blends through X-ray Computed Tomography and Microscopy. <i>Microscopy and Microanalysis</i> , 2021, 27, 292-295.	0.2	1
4	Geometrical and mechanical characterisation of hollow thermoplastic microspheres for syntactic foam applications. <i>Composites Part B: Engineering</i> , 2021, 223, 108952.	5.9	13
5	Measuring the Particle Packing of α -Glutamic Acid Crystals through X-ray Computed Tomography for Understanding Powder Flow and Consolidation Behavior. <i>Crystal Growth and Design</i> , 2020, 20, 4252-4263.	1.4	16
6	3D characterisation of dry powder inhaler formulations: Developing X-ray micro computed tomography approaches. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2020, 151, 32-44.	2.0	22
7	Laminography in the lab: imaging planar objects using a conventional x-ray CT scanner. <i>Measurement Science and Technology</i> , 2019, 30, 035401.	1.4	25
8	Initiation and short crack growth behaviour of environmentally induced cracks in AA5083 H131 investigated across time and length scales. <i>Corrosion Reviews</i> , 2019, 37, 469-481.	1.0	12
9	New software protocols for enabling laboratory based temporal CT. <i>Review of Scientific Instruments</i> , 2018, 89, 093702.	0.6	22
10	Breaking size-segregation waves and mobility feedback in dense granular avalanches. <i>Granular Matter</i> , 2018, 20, 1.	1.1	11
11	Asymmetric breaking size-segregation waves in dense granular free-surface flows. <i>Journal of Fluid Mechanics</i> , 2016, 794, 460-505.	1.4	22
12	Underlying Asymmetry within Particle Size Segregation. <i>Physical Review Letters</i> , 2015, 114, 238001.	2.9	97
13	Particle-size segregation in dense granular avalanches. <i>Comptes Rendus Physique</i> , 2015, 16, 73-85.	0.3	34
14	Asymmetric flux models for particle-size segregation in granular avalanches. <i>Journal of Fluid Mechanics</i> , 2014, 757, 297-329.	1.4	54
15	Meander formation in supraglacial streams. <i>Journal of Geophysical Research F: Earth Surface</i> , 2013, 118, 1897-1907.	1.0	64