Atul Jain

List of Publications by Year
in descending order

16 papers	**298** citations	933264 **10** h-index	1125617 **13** g-index
19 all docs	**19** docs citations	**19** times ranked	**165** citing authors

#	Article	IF	Citations
1	Pseudo-grain discretization and full Mori Tanaka formulation for random heterogeneous media: Predictive abilities for stresses in individual inclusions and the matrix. Composites Science and Technology, 2013, 87, 86-93.	3.8	46
2	Effective anisotropic stiffness of inclusions with debonded interface for Eshelby-based models. Composite Structures, 2015, 131, 692-706.	3.1	41
3	The Master SN curve approach â€" A hybrid multi-scale fatigue simulation of short fiber reinforced composites. Composites Part A: Applied Science and Manufacturing, 2016, 91, 510-518.	3.8	41
4	Optimization of microstructures and mechanical properties of composite oriented strand board from reused prepreg. Composite Structures, 2017, 174, 389-398.	3.1	27
5	A feasibility study of the Master SN curve approach for short fiber reinforced composites. International Journal of Fatigue, 2016, 91, 264-274.	2.8	26
6	Mean field homogenization methods for strand composites. Composites Part B: Engineering, 2017, 124, 31-39.	5.9	22
7	Micro and mesomechanics of fibre reinforced composites using mean field homogenization formulations: A review. Materials Today Communications, 2019, 21, 100552.	0.9	17
8	Essential work of fracture assessment of acrylonitrile butadiene styrene (ABS) processed via fused filament fabrication additive manufacturing. International Journal of Advanced Manufacturing Technology, 2021, 113, 771-784.	1.5	17
9	A statistical treatment of the loss of stiffness during cyclic loading for short fiber reinforced injection molded composites. Composites Part B: Engineering, 2016, 103, 40-50.	5.9	14
10	Fatigue Life Simulation on Fiber Reinforced Composites - Overview and Methods of Analysis for the Automotive Industry. SAE International Journal of Materials and Manufacturing, 0, 5, 205-214.	0.3	13
11	Process development for phenylethynyl-terminated PMDA-type asymmetric polyimide composites. High Performance Polymers, 2018, 30, 731-741.	0.8	10
12	Non-symmetric stiffness tensor prediction by the Moriâ€"Tanaka scheme â€" Comments on the article â€œEffective anisotropic stiffness of inclusions with debonded interface for Eshelby-based modelsâ€• [Composite Structures 131 (2015) 692â€"706]. Composite Structures, 2015, 134, 1118-1119.	3.1	7
13	On the multi-axial fatigue modelling of short fibre reinforced composites: Extensions to the Master SN curve approach. International Journal of Fatigue, 2021, 145, 106106.	2.8	6
14	Direct Mori-Tanaka calculations of strains in ellipsoidal inclusions with multiple orientations â€" Comments on the papers: Naili, G. et al. Comp Sci Tech, 187: 107942, 2020 (https://doi.org/10.1016/j.compscitech.2019.107942) and Jain, A. et al., Comp Sci Tech, 87: 86â€"93, 2013 (https://doi.org/10.1016/j.compscitech.2013.08.009). Composites Science and Technology, 2020, 190, 108068.	3.8	4
15	Contributions of Stepan V Lomov to the research and development of composite materials. Journal of Composite Materials, 2020, 54, 4723-4747.	1.2	1
16	Hybrid multiscale modelling of fatigue and damage in short fibre reinforced composites. , 2021, , 691-720.		0