

Balakrishna Murthy Vallabhaneni

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

56
citations

1684188

5
h-index

1588992

8
g-index

12
all docs

12
docs citations

12
times ranked

32
citing authors

#	ARTICLE	IF	CITATIONS
1	Prediction of thermal ablation in rocket nozzle using CFD and FEA. International Journal of Computational Materials Science and Engineering, 2020, 09, 2050014.	0.7	0
2	A numerical simulation for prediction of thermal ablation in composite rocket motor casing. International Journal of Computational Materials Science and Engineering, 2020, 09, 2050020.	0.7	0
3	Verification of numerical homogenization approach in predicting thermal conductivities of fiber reinforced composites with voids and randomly distributed fibers. International Journal of Computational Materials Science and Engineering, 2020, 09, 2050017.	0.7	1
4	Simulation-based verification of homogenization approach in predicting effective thermal conductivities of wavy orthotropic fiber composite. International Journal of Computational Materials Science and Engineering, 2019, 08, 1950015.	0.7	0
5	Thermo-Elastic Fracture Analysis of Angle-ply laminates. Materials Today: Proceedings, 2018, 5, 6045-6052.	1.8	2
6	Analysis of Composite Rocket Motor Case using Finite Element Method. Materials Today: Proceedings, 2018, 5, 4920-4929.	1.8	11
7	Effect of Material Mismatch on Static behavior of Flex Seal. Materials Today: Proceedings, 2017, 4, 2290-2297.	1.8	3
8	Analysis of fibre waviness effect through homogenization approach for the prediction of effective thermal conductivities of FRP composite using finite element method. Bulletin of Materials Science, 2016, 39, 847-855.	1.7	2
9	Homogenization of partial debond effect on the effective thermal conductivities of FRP composite using finite element analysis. Composite Interfaces, 2015, 22, 51-65.	2.3	7
10	Effect of Shim Percentage on Non-Linear Static Behavior of Flex Seal of Rocket Nozzle. Materials Today: Proceedings, 2015, 2, 1427-1434.	1.8	13
11	Study of Non-Linear Static Behavior of Flex Seal of Rocket Nozzle by Varying Number of Shims. Materials Today: Proceedings, 2015, 2, 1613-1621.	1.8	11
12	Modelling of Hybrid Materials and Interface Defects through Homogenization Approach for the Prediction of Effective Thermal Conductivity of FRP Composites Using Finite Element Method. Advances in Materials Science and Engineering, 2013, 2013, 1-7.	1.8	6