

# Balakrishna Murthy Vallabhaneni

## List of Publications by Year in descending order

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12  
papers

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citations

1684188

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1588992

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12  
docs citations

12  
times ranked

32  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Analysis of Composite Rocket Motor Case using Finite Element Method. Materials Today: Proceedings, 2018, 5, 4920-4929.	1.8	11
4	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
5	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
6	Effect of Material Mismatch on Static behavior of Flex Seal. Materials Today: Proceedings, 2017, 4, 2290-2297.	1.8	3
7	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
8	Thermo-Elastic Fracture Analysis of Angle-ply laminates. Materials Today: Proceedings, 2018, 5, 6045-6052.	1.8	2
9	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
10	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
11	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
12	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