

# Benedict Thomas

## List of Publications by Year in descending order

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18  
papers

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citations

1307594

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h-index

996975

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18  
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18  
docs citations

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times ranked

306  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microstructure and Mechanical Characterization of Al <sub>2</sub> O <sub>3</sub> /Graphene Reinforced Al6061 Based Hybrid Nanocomposites. <i>Metals and Materials International</i> , 2022, 28, 545-555.	3.4	18
2	Investigation of graphene nanoplatelets-deposited textured metal matrix composite plates for improved mechanical properties: a numerical approach. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2022, 44, 1.	1.6	2
3	Influence of dispersion technique/time on dispersion stability, aspect ratio and morphology of multi-walled carbon nanotubes. <i>International Journal of Nanotechnology</i> , 2021, 18, 590.	0.2	7
4	Influence of CNTs grading and reinforcement on dynamic characteristics of composite Plates in thermal environment. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1123, 012052.	0.6	2
5	Investigation of static and fatigue behavior of honeycomb sandwich structure: a computational approach. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2021, 43, .	1.6	3
6	A Comprehensive Review on CNTs and CNT-Reinforced Composites: Syntheses, Characteristics and Applications. <i>Materials Today Communications</i> , 2020, 25, 101546.	1.9	116
7	Design manufacture and testing of a composite support structure for spacecraft application. <i>Materials Today: Proceedings</i> , 2020, 22, 1374-1379.	1.8	3
8	Microstructure, mechanical properties and machinability studies of Al7075/SiC/h-BN hybrid nanocomposite fabricated via ultrasonic-assisted squeeze casting. <i>FME Transactions</i> , 2020, 48, 532-542.	1.4	13
9	Fabrication and machinability analysis of squeeze cast Al 7075/h-BN/graphene hybrid nanocomposite. <i>Engineering Research Express</i> , 2019, 1, 015004.	1.6	22
10	Influence of TiO <sub>2</sub> and MWCNT nanoparticles dispersion on microstructure and mechanical properties of Al6061 matrix hybrid nanocomposites. <i>Materials Research Express</i> , 2019, 6, 1265f3.	1.6	14
11	Dynamic analysis of functionally graded shaft. <i>FME Transactions</i> , 2019, 47, 151-157.	1.4	5
12	Experimental investigation and optimization of welding process parameters for various steel grades using NN tool and Taguchi method. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	1
13	Free vibration analysis of carbon nanotube reinforced composite Timoshenko beam. <i>Progress in Industrial Ecology</i> , 2018, 12, 78.	0.2	0
14	Vibration and damping analysis of functionally graded carbon nanotubes reinforced hybrid composite shell structures. <i>JVC/Journal of Vibration and Control</i> , 2017, 23, 1711-1738.	2.6	38
15	Vibration analysis of functionally graded carbon nanotube-reinforced composite shell structures. <i>Acta Mechanica</i> , 2016, 227, 581-599.	2.1	81
16	Thermal analysis of randomly oriented carbon nanotube reinforced functionally graded timoshenko beam. <i>Journal of Mechanical Science and Technology</i> , 2014, 28, 1779-1788.	1.5	3
17	Determination of Optimal Gear Ratio of BAJA SAE All-Terrain Vehicle. , 0, , .		0
18	Design and Analysis of Single-Stage Reduction Gear System for Radio-Controlled Aircraft. , 0, , .		0