

LAST 5 years Publication – Dr.Umasankar V

TITLE	CITED BY	YEAR
<p>Microstructure and mechanical properties of Tungsten and Tungsten-Tantalum thin film deposited RAFM steel</p> <p>SLK Konuru, V Umasankar, B Sarkar, A Sarma Materials Research Innovations 24 (2), 97-103</p>	1	2020
<p>Effect of MWCNT concentration on microstructures, mechanical properties and sintering behaviour of spark plasma sintered AA2219-MWCNT composites</p> <p>S Thomas, P Tom, V Umasankar Materials Today: Proceedings 22, 1424-1432</p>		2020
<p>Review of Recent Progress in the Development and Properties of Aluminum Metal Matrix Composites Reinforced with Multiwalled Carbon Nanotube by Powder Metallurgy Route</p> <p>S Thomas, V Umasankar Materials Performance and Characterization 8 (3), 371-400</p>	3	2019
<p>Tribological studies of automotive piston ring by diamond-like carbon coating</p> <p>IS Vinoth, S Detwal, V Umasankar, A Sarma Tribology-Materials, Surfaces & Interfaces 13 (1), 31-38</p>	5	2019
<p>Self lubricating property of MWCNT in AA2219 composites during high energy ball milling</p> <p>S Thomas, V Umasankar, C Joseph, J Mathew Materials Today: Proceedings 18, 3387-3393</p>		2019
<p>Effect of sonication in enhancing the uniformity of MWCNT distribution in aluminium alloy AA2219 matrix</p> <p>S Thomas, LK Pillari, V Umasankar, J Pious Materials Today: Proceedings 18, 4058-4066</p>		2019
<p>Influence of MWCNT on precipitation hardenable aluminium alloy matrix on age hardening and solutionizing</p> <p>S Thomas, V Umasankar Advanced Science Letters 24 (8), 5805-5811</p>	2	2018
<p>On the comparison of graphene and multi-wall carbon nanotubes as reinforcements in aluminum alloy AA2219 processed by ball milling and spark plasma sintering</p>	4	2018

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LK Pillari, AK Shukla, SVSN Murty, V Umasankar Transactions of the Indian Institute of Metals 71 (5), 1099-1112		
Influence of Manufacturing Process on Distribution of MWCNT in Aluminium Alloy Matrix and its Effect on Microhardness V Umasankar, T Shijo Materials Science Forum 928, 32-37	3	2018
Enhancement of hardness property of AA2219 by varying TiO₂ percentage as a reinforcement AB Chougule, PM Patil, V Umasankar Materials Today: Proceedings 5 (2), 7628-7634	1	2018
Effect of MWCNT reinforcement on the precipitation-hardening behavior of AA2219 S Thomas, V Umasankar International Journal of Minerals, Metallurgy, and Materials 25 (1), 53-61	7	2018
Processing and characterization of graphene and multi-wall carbon nanotube-reinforced aluminium alloy AA2219 composites processed by ball milling and vacuum hot pressing LK Pillari, AK Shukla, SVSN Murty, V Umasankar Metallography, Microstructure, and Analysis 6 (4), 289-303	6	2017
DLC coating of magnesium nanocomposites using RF sputtering LK Pillari, V Umasankar, A Sarma, M Gupta Materials Today: Proceedings 4 (6), 6737-6742	1	2017
Effect on hardness and densification of MWCNT reinforced AA2219 composites sintered in different methods S Thomas, V Umasankar ARPN Journal of Engineering and Applied Sciences 12, 1701-1705	3	2017
Evaluation of properties for hybrid Al-SiC-carbon fiber reinforced metal matrix composite for brake pads R Abhik, V Umasankar 2016 International Conference on Electrical, Electronics, and Optimization ...	2	2016

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<p>Developement and Characterisation of Aluminium Alloy Compoites Reinforced with Multi Walled Carbon Nanotube by Powder Metallurgy Route</p> <p>S Thomas, V Umasankar International Conference on Emerging Trends in Engineering and Management, 60-63</p>		2016
<p>Synthesis and characterization of nano hexagonal boron nitride powder and evaluating the influence on aluminium alloy matrix</p> <p>LK Pillari, V Umasankar, P Elamathi, G Chandrasekar Materials Today: Proceedings 3 (6), 2018-2026</p>	5	2016
<p>Fracture toughness evaluation technique for metal matrix composites using ball indentation method</p> <p>V Umasankar, MA Xavior International Journal of Computer Aided Engineering and Technology 7 (1 ...</p>	1	2015