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[Composite Materials](#) [Wear](#) [Machining of composites](#)

TITLE	CITED BY	YEAR
<a href="#">Experimental investigations on machining characteristics of Al 6061 hybrid metal matrix composites processed by electrical discharge machining</a> C Velmurugan, R Subramanian, S Thirugnanam, B Ananadavel International Journal of Engineering, Science and Technology 3 (8), 87-101	62	2011
<a href="#">Low temperature diffusion bonding of Ti-6Al-4V and duplex stainless steel</a> C Velmurugan, V Senthilkumar, S Sarala, J Arivarasan Journal of Materials Processing Technology 234, 272-279	43	2016
<a href="#">Machining of NiTi-shape memory alloys-A review</a> C Velmurugan, V Senthilkumar, S Dinesh, D Arulkirubakaran Machining Science and Technology 22 (3), 355-401	25	2018
<a href="#">Investigation of friction and wear behavior of hybrid aluminium composites</a> C Velmurugan, R Subramanian, S Thirugnanam, B Anandavel Industrial Lubrication and Tribology	22	2012
<a href="#">Effect of tungsten carbide, silicon carbide and graphite particulates on the mechanical and microstructural characteristics of AA 5052 hybrid composites</a> DSEJ Dhas, C Velmurugan, KLD Wins, KP BoopathiRaja Ceramics international 45 (1), 614-621	18	2019
<a href="#">Review on phase transformation behavior of NiTi shape memory alloys</a> C Velmurugan, V Senthilkumar, S Dinesh, D Arulkirubakaran Materials Today: Proceedings 5 (6), 14597-14606	18	2018
<a href="#">Experimental study on the effect of SiC and graphite particles on weight loss of Al 6061 hybrid composite materials</a> B Velmurugan, C., Subramanian, R., Thirugnanam, S Journal of Tribology and Surface Engineering 2 (1/2), 49-68	14	2011
<a href="#">The effect of Cu addition on the morphological, structural and mechanical characteristics of nanocrystalline NiTi shape memory alloys</a> C Velmurugan, V Senthilkumar Journal of Alloys and Compounds 767, 944-954	9	2018
<a href="#">Densification and microstructural evolution of spark plasma sintered NiTi shape memory alloy</a> C Velmurugan, V Senthilkumar, K Biswas, S Yadav	9	2018

<b>Optimization of drilling delamination behavior of GFRP/clay nano-composites using RSM and GRA methods</b> S Ragunath, C Velmurugan, T Kannan Fibers and Polymers 18 (12), 2400-2409	7	2017
<b>A review of influential parameters in drilling delamination on Fiber reinforced polymer composites</b> S Ragunath, C Velmurugan, T Kannan International Journal of ChemTech Research 10 (7), 298-303	7	2017
<b>Formation of lubricated tribo layer, grain boundary precipitates, and white spots on titanium-coated graphite–reinforced hybrid composites</b> R Ranjith, PK Giridharan, C Velmurugan, C Chinnusamy Journal of the Australian Ceramic Society 55 (3), 645-655	6	2019
<b>Effect of textured tools on machining of Ti-6Al-4V alloy under lubricant condition</b> D Arulkirubakaran, V Senthilkumar, S Dinesh, C Velmurugan, ... Materials Today: Proceedings 5 (6), 14230-14236	6	2018
<b>Microstructures and mechanical properties of nanocrystalline NiTi intermetallics formed by mechanosynthesis</b> S Arunkumar, P Kumaravel, C Velmurugan, V Senthilkumar International Journal of Minerals, Metallurgy, and Materials 25 (1), 80-87	6	2018
<b>Taxonomy of groundwater quality using multivariate and spatial analyses in the Tuticorin District, Tamil Nadu, India</b> C Singaraja, S Chidambaram, N Jacob, E Ezhilarasan, C Velmurugan, ... Environment, development and sustainability 18 (2), 393-429	6	2016
<b>Artificial neural network prediction of wire electrical discharge machining properties on sintered porous NiTi shape memory alloy</b> C Velmurugan, V Senthilkumar, S Dinesh Materials Today: Proceedings 5 (2), 8382-8390	5	2018
<b>Optimization of tribological behavior of nano clay particle with sisal/jute/glass/epoxy polymer hybrid composites using RSM</b> S Ragunath, C Velmurugan, T Kannan Polymers for Advanced Technologies	5	2017
<b>Experimental Investigation on Mechanical Properties of Jute Glass Fibrere in forced Epoxy Resin Hybrid Composite</b> C Velmurugan, RR Karthikeyan, B Prabhu, R Naveenkumar Middle-East Journal of Scientific Research 24 (S1), 11-15	5	2016
<b>Experimental Investigations on the effect of heat-treatment parameters on the Wear behavior of an aluminium hybrid composites</b> B Velmurugan, C., Subramanian, R., Ramakrishnan, S.S., Thirugnanam, S ... Industrial Lubrication and Tribology 66 (4), 545– 554	5	2014
<b>Optimization of spark plasma sintering parameters for NiTiCu shape memory alloys</b> C Velmurugan, V Senthilkumar Materials and Manufacturing Processes 34 (4), 369-378	4	2019

