

Number of quality publications in refereed / SCI Journals, Citations for 2020-2021

Authors	Article Title	Journal Title	Index	Annexure/UGC/Scopus/SCI/ot hers	Citatio ns
R. Ashok Kumar, R. Muneeswaran, M. Saravana Mohan, Sathish Rengarajan, G.R. Raghav, K.J. Nagarajan	Effects of tool pin profile on tensile and wear behaviour of friction stir welded AA6101-T6 and AA1350 alloys	Metallurgic al Research and Technology	Vol. 117, No. 5, 2020, pp. 503. DOI: 10.1051/metal/2020045.	Scopus Indexed	5
G. Kasirajan, Sathish Rengarajan, R. Ashok kumar, G.R. Raghav, V.S. Rao, K.J. Nagarajan	Tensile and Wear Behaviour of Friction Stir Welded AA5052 and AA6101-T6 Aluminium Alloys: Effect of Welding Parameters	Metallurgic al Research and Technology	Vol. 117, No. 4, 2020, pp. 405. DOI: 10.1051/metal/2020039.	Scopus Indexed	8
S.Ramanathan, M.R.Thansekhar, P.Rajeshkanna, Prem Gunnasegaran	A new method of acquiring perquisites of recirculation and vortex flow in sudden expansion solar water collector using vortex generator to augment heat transfer	Internationa l Journal of Thermal Sciences	Vol. 153, 2020, pp. 106346. DOI: 10.1016/j.ijthermalsci.2020.106346.	Scopus Indexed	10

S. Sabarish, P. Udhayakumar, R. Pandiyarajan	Additive Manufacturing for Customized Hearing Aid Parts Production: An Empirical Study	Journal of the Chinese Institute of Engineers, Taylor and Francis	Vol. 44, No. 7, 2021, pp. 704-717. DOI: 10.1080/02533839.2021.1940297.	Scopus Indexed	2
K.J.Nagarajan, N.R. Ramanujam, M.R. Sanjay, Suchart. Siengchin, B. Surya Rajan, K. SathickBasha, P. Madhu, G.R. Raghav	A Comprehensive Review on Cellulose Nanocrystals and Cellulose Nanofibers: Pretreatment, Preparation and Characterization Polymer Composites	Polymer Composites	Vol. 42, No. 4, 2021, pp. 1588-1630. DOI: 10.1002/pc.25929.	Scopus Indexed	123
V. Vignesh, A.N. Balaji, N. Nagaprasad, M.R. Sanjay, A. Khan, A.M. Asiri, G.M. Ashraf, S. Siengchin	Indian Mallow Fiber Reinforced Polyester Composites: Mechanical and Thermal Properties	Journal of Materials Research and Technology	Vol. 11, 2021, pp. 274-284. DOI: 10.1016/j.jmrt.2021.01.023.	Scopus Indexed	24
V. Vignesh, A.N. Balaji, B.R.M. Rabi, N. Rajini, N. Ayrlmis, M.K.V. Karthikeyan, Faruq Mohammad,	Cellulosic Fiber-Based Hybrid Composites: A Comparative Investigation into Their Structurally Influencing Mechanical Properties	Construction and Building Materials	Vol. 271, 2021, pp. 121587. DOI: 10.1016/j.conbuildmat.2020.121587.	Scopus Indexed	14

SikiruOluwarotimi, Ismail Hamad A. Al-Lohedan					
Pandiyarajan. R, Marimuthu. S	Parametric Optimization and Tensile Behaviour Analysis of AA6061 - ZrO ₂ - C FSW samples using Box- Behnken method	Materials Today: Proceedings - Elsevier	Vol. 37, 2021, pp. 2644-47. DOI: 10.1016/j.matpr.2020.08.516.	Scopus Indexed	4
R Pandiyarajan, M.P. Prabakaran, T. Rajkumar, K. Vetrivel Kumar, R. Manikandan	Metallurgical and mechanical properties of SiC/B ₄ C reinforced with aluminum composites synthesized by mechanical alloying	Materials Today: Proceedings - Elsevier	Vol. 37, 2021, pp. 1794-98. DOI: 10.1016/j.matpr.2020.07.393.	Scopus Indexed	8
R. Pandiyarajan, K. Arumugam , M.P. Prabakaran , K. Vetrivel Kumar	Fatigue Life and Fatigue Crack Growth Rate Analysis of High Strength Low Alloy Steel (42CrMo4)	Materials Today: Proceedings - Elsevier	Vol. 37, 2021, pp. 1957-62. DOI: 10.1016/j.matpr.2020.07.486.	Scopus Indexed	7

R. Pandiyarajan, P. Maran, S. Marimuthu, M. P. Prabhakaran	Investigation on Mechanical Properties of ZrO ₂ , C and AA6061 Metal Matrix Composites	Advances in Materials & Processing Technologies- Taylor & Francis	Vol. 8, 2022, pp. 178-186. DOI: 10.1080/2374068X.2020.18109 46.	Scopus Indexed	15
R. Pandiyarajan	Improving Mechanical Strength on Welded Joints by using Optimization Technique	International Journal of Enterprise Network Management	Vol. 12, No. 1, 2021, pp. 85-86. DOI: 10.1504/IJENM.2021.112657	Scopus Indexed	2
M. J. Umar, P. L. K. Palaniappan, P. Maran, R. Pandiyarajan	Investigation and Optimization of Friction Stir Welding Process Parameters of Stir Cast AA6082/ZrO ₂ /B 4C Composites	Materials Science- Poland	Vol. 38, No. 4, 2021, pp. 715- 30. DOI: 10.2478/msp-2020- 0082.	Scopus Indexed	3
R. Pandiyarajan, M. P. Prabhakaran	Characterization of AA6061- ZrO ₂ -C Friction Stir Welded Composite Joints	Journal of Ceramic Processing Research	Vol. 21, No. 6, 2021, pp. 690- 98. DOI: 10.36410/jcpr.2020.21.6.690202 0.	Scopus Indexed	1

R. Pandiyarajan, G. Balaji, B. N. Kumar, J. Vijayarangam, A. Vasudevan, N. Karunakaran, T. Sathish, P. Nanthakumar	Micro structural and tensile behaviour of FS welded dissimilar Al-Cu alloy	Materials Today: Proceedings - Elsevier	Vol. 46, 2021, pp. 4309-4312. DOI: 10.1016/j.matpr.2021.03.148.	Scopus Indexed	1
G. Balaji, B. N. Kumar, J. Vijayarangam, A. Vasudevan, R. Pandiyarajan	Numerical Investigation Of Expansion Fan Optimization of Truncated Annular Aerospike Nozzle	Materials Today: Proceedings - Elsevier	Vol. 46, 2021, pp. 4283- 88. DOI: 10.1016/j.matpr.2021.03.124.	Scopus Indexed	5
B. N. Kumar, J. Vijayarangam, A. Vasudevan, R. Pandiyarajan, G. Balaji , N. Karunakaran, T. Sathish, P. Nanthakumar	Design and Fabrication of Bamboo Composites Sandwich Panels for Flooring	Materials Today: Proceedings - Elsevier	Vol. 46, 2021, pp. 4313-21. DOI: 10.1016/j.matpr.2021.03.186.	Scopus Indexed	3
C. Anbumeenakshi, R. Wasim Akram, G. Guruvendren, S. Muthu Kumar	Effect of inlet location in flow maldistribution in microchannel- An Experimental study	Internationa l Journal of Innovative Research in Technology	Vol. 8, No. 1, 2021, pp. 55-58.	Google Scholar	-