

Number of quality publications in refereed / SCI Journals, Citations for 2019-2020

Authors	Article Title	Journal Title	Index	Annexure/UGC/Scopus/SCI/others	Citations
S.Ramanathan, M.R.Thansekhar, P.Rajeshkanna, Prem Gunnasegaran	A new method of enhancing heat transfer in sudden expansion channel using vortex generators with toe-out and toe-in configurations by acquiring prerequisites of recirculation and secondary vortex flow	Journal of Mechanical Science and Technology	Vol. 33, 2019, pp. 3913-3925. DOI: 10.1007/s12206-019-0736-9.	Scopus Indexed	4
Raghav G R, Balaji A N , Selvakumar N, Muthukrishnan D, Sajith E	Effect of tungsten reinforcement on mechanical, tribological and corrosion behaviour of mechanically alloyed Co-25C Cermet nanocomposites	Materials Research Express	Vol. 6, No. 11, 2019, pp. 1165e4. DOI: 10.1088/2053-1591/ab4f0a.	Scopus Indexed	14

<p>D.Venkatakrishnan, G.Udayakumar, S.Suresh, M.Jubal, M.R.Thansekhar, Ravi Ramesh</p>	<p>Wetting transition in laser- fabricated hierarchical surface structures and its impact on condensation heat transfer characteristics</p>	<p>International Journal of Heat and Mass Transfer</p>	<p>Vol. 140, 2019, pp. 886-896. DOI: 10.1016/j.ijheatmasstransfer.2019.06.005.</p>	<p>Scopus Indexed</p>	<p>18</p>
<p>R.Ashokkumar, G.R.Raghav, K.J. Nagarajan, Sathish Rengarajan, P.Suganthi, V. Vignesh</p>	<p>Effect of hybrid reinforcement at stirred zone of dissimilar aluminium alloys during friction stir welding</p>	<p>Metallurgical Research & Technology</p>	<p>Vol. 116, No. 6, 2019, pp. 631. DOI: 10.1051/metal/2019062.</p>	<p>Scopus Indexed</p>	<p>10</p>
<p>K. J. Nagarajan, A. N. Balaji, N. R. Ramanujam, S. ThangaKasiRajan</p>	<p>Preparation and characterization of alkali treated <i>cocos nucifera</i> var <i>aurantiaca</i> peduncle fibers reinforced epoxy composites</p>	<p>Materials Research Express</p>	<p>Vol. 6, No. 12, 2019, pp. 125310. DOI: 10.1088/2053-1591/ab54ff.</p>	<p>Scopus Indexed</p>	<p>9</p>

<p>K. J. Nagarajan, A. N. Balaji, S. ThangaKasiRajan, K. SathickBasha</p>	<p>Effect of sulfuric acid reaction time on the properties and behavior of cellulose nanocrystals from <i>cocos nucifera var aurantiaca peduncle's</i> cellulose microfibrils</p>	<p>Materials Research Express</p>	<p>Vol. 6, No. 12, 2019, pp. 125333. DOI: 10.1088/2053-1591/ab5a9d.</p>	<p>Scopus Indexed</p>	<p>7</p>
<p>Vasanth. R, Mohan. K, Sathish Rengarajan. R, Jayaprakash. R, Ashokkumar. R</p>	<p>Characterization and corrosion effects of friction surfaced IS – 2062 E250 CU with AA6063</p>	<p>Materials Research Express</p>	<p>Vol. 6, No. 12, 2019, pp. 126579. DOI: 10.1088/2053-1591/ab5981.</p>	<p>Scopus Indexed</p>	<p>5</p>
<p>K.J. Nagarajan, A.N. Balaji, S. ThangaKasiRajan, N.R. Ramanujam</p>	<p>Preparation of bio-eco based cellulose nanomaterials from used disposal paper cups through citric acid hydrolysis</p>	<p>Carbohydrate Polymers</p>	<p>Vol. 235, 2020, pp. 115887. DOI: 10.1016/j.carbpol.2020.115997.</p>	<p>Scopus Indexed</p>	<p>43</p>
<p>K.J. Nagarajan, A.N. Balaji, K.SathickBasha, N.R. Ramanujam, R. Ashok Kumar</p>	<p>Effect of agro waste - cellulosic micro filler on mechanical and</p>	<p>International Journal of Biological Macromolecules</p>	<p>Vol. 152, 2020, 327-339. DOI: 10.1016/j.ijbiomac.2020.02.255.</p>	<p>Scopus Indexed</p>	<p>34</p>

	thermal behavior of epoxy composites				
S. ThangaKasiRajan, A. N. Balaji, G. R. Raghav, K. J. Nagarajan, S. C. Vettivel	Investigation and characterization of Copper- Fly ash-Tungsten hybrid composites synthesized through P/M process	Materials Research Express	Vol. 7, No. 3, 2020, pp. 036531. DOI: 10.1088/2053-1591/ab8030.	Scopus Indexed	1
S. Gopinath, M. Prince, G. R. Raghav	Enhancing the mechanical, wear and corrosion behavior of stir casted aluminum 6061 hybrid composites through the incorporation of boron nitride and aluminum oxide particles	Materials Research Express	Vol. 7, No. 1, 2020. pp. 016582. DOI: 10.1088/2053-1591/ab6c1d.	Scopus Indexed	39
M. P. Prabakaran, G. R. Kannan, K. Vetrivel kumar, R. Pandiyarajan, M.Pradeepa	Optimization of Nd: YAG Pulsed Laser Welding Process	WutanHuatanJisuanJishu	Vol. 16, No. 6, 2020, pp. 25-35.	Scopus Indexed	-

	Parameters on Dissimilar Metal Joints				
Pandiyarajan. R, Marimuthu. S	Dry Sliding Wear Behavior of aluminum Matrix Composite Materials	Test Engineering and Management	Vol. 83, No. 3, 2020, pp. 15086-89.	Scopus Indexed	-
K.J.Nagarajan, A. N. Balaji, N. R. Ramanujam	Isolation and characterization of cellulose nanocrystals from Saharan aloe vera cactus fibers	International Journal of Polymer Analysis and Characterization	Vol. 25, No. 2, 2020, pp. 51-64. DOI: 10.1080/1023666X.2018.1478366.	Scopus Indexed	24
N.Nagasubramanian, M.R.Thansekhar, M. Venkatesan, K.Ramanathan	Effect of Al ₂ O ₃ /water nanofluid on Conjugate Free Convection in a Baffle Attached Square Enclosure	MECHANIKA	Vol. 26, No. 2, 2020, pp. 126-133. DOI: /10.5755/j01.mech.26.2.2237826	Scopus Indexed	1
C. Anbumeenakshi, G .YokeshNarayanaa, A. Boopathy Murugan , G. Hari Haran, N Vineeth, M. R. Thansekhar	Performance Enhancement of solar PV Panel by water cooling technique	Journal of Engineering Research and Application	Vol. 10, No. 4, 2020, 00. 32-36. DOI: : 10.9790/9622-1004013236.	Google Scholar	-