

# Kannan C

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

36  
papers

406  
citations

8  
h-index

19  
g-index

44  
ext. papers

530  
ext. citations

2.5  
avg, IF

4.51  
L-index

#	Paper	IF	Citations
36	Application of exhaust gas recirculation for NOx reduction in CI engines <b>2022</b> , 189-222		0
35	Impact of Inlet Angle on Cooling of a Continuously Variable Transmission in a BAJA SAE Vehicle. <i>Lecture Notes in Mechanical Engineering</i> , <b>2021</b> , 47-56	0.4	
34	4D Printing of Smart Polymer Nanocomposites: Integrating Graphene and Acrylate Based Shape Memory Polymers. <i>Polymers</i> , <b>2021</b> , 13,	4.5	5
33	Effect of Cryogenic Grinding on Fatigue Life of Additively Manufactured Maraging Steel. <i>Materials</i> , <b>2021</b> , 14,	3.5	7
32	4D printed stereolithography printed plant-based sustainable polymers: Preliminary investigation and optimization. <i>Journal of Applied Polymer Science</i> , <b>2021</b> , 138, 50903	2.9	7
31	Design and analysis of composite mono leaf spring for passenger cars. <i>Materials Today: Proceedings</i> , <b>2021</b> , 46, 7090-7098	1.4	1
30	Mathematical modeling and optimization of tribological behaviour of Al 7075 based hybrid nanocomposites. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , <b>2021</b> , 235, 1561-1574	1.4	0
29	Optimizing thermal performance of a dry rigid clutch by varying groove pattern and friction material. <i>Materials Today: Proceedings</i> , <b>2021</b> , 46, 7459-7467	1.4	2
28	Burnishing of ultra high molecular weight poly ethylene. <i>Materials Today: Proceedings</i> , <b>2021</b> , 46, 7479-7486	1.4	0
27	Critical review towards thermal management systems of lithium-ion batteries in electric vehicle with its electronic control unit and assessment tools. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , <b>2021</b> , 235, 1783-1807	1.4	4
26	Machinability studies on aluminium matrix nanocomposite under the influence of MQL. <i>Materials Today: Proceedings</i> , <b>2020</b> , 22, 1507-1516	1.4	5
25	Exploring grinding and burnishing as surface post-treatment options for electron beam additive manufactured Alloy 718. <i>Surface and Coatings Technology</i> , <b>2020</b> , 397, 126063	4.4	12
24	Experimental Investigation and Parametric Optimization on Hole Quality Assessment During Drilling of CFRP/GFRP/Al Stacks. <i>Journal of the Institution of Engineers (India): Series C</i> , <b>2020</b> , 101, 291-302	0.9	3
23	Influence of Material and Spoke Pattern on the Performance of Automotive Wheels. <i>Materials Today: Proceedings</i> , <b>2020</b> , 22, 1452-1459	1.4	0
22	Potential assessment of Al 7075/BN composites for lightweight applications <b>2020</b> ,		1
21	Experimental analysis of higher alcohol based ternary biodiesel blends in CI engine parameters through multivariate and desirability approaches. <i>Biomass Conversion and Biorefinery</i> , <b>2020</b> , 1	2.3	4
20	Effect of Cryogenics-Assisted Low-Plasticity Burnishing on Laser-Clad Stellite 6 over SS420 Substrate. <i>Journal of Materials Engineering and Performance</i> , <b>2020</b> , 29, 6861-6869	1.6	2

19	Development of Bio-hybrid Tractor for Farming Applications. <i>Lecture Notes on Multidisciplinary Industrial Engineering</i> , <b>2020</b> , 143-156	0.3	
18	Corrosion behaviour of novel molten salt processed aluminium nanocomposites under different treated conditions. <i>Materials Research Express</i> , <b>2019</b> , 6, 1150f7	1.7	
17	Effect of chilled air on delamination, induced vibration, burr formation and surface roughness in CFRP drilling: a comparative study. <i>Materials Research Express</i> , <b>2019</b> , 6, 035305	1.7	10
16	Effectiveness evaluation of molten salt processing and ultrasonic cavitation techniques during the production of aluminium based hybrid nanocomposites - An experimental investigation. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 751, 183-193	5.7	18
15	Assessment of drilling-induced damage in CFRP under chilled air environment. <i>Materials and Manufacturing Processes</i> , <b>2018</b> , 33, 1361-1368	4.1	32
14	Advanced liquid state processing techniques for ex-situ discontinuous particle reinforced nanocomposites: A review. <i>Science and Technology of Materials</i> , <b>2018</b> , 30, 109-119		4
13	Optimization of Stir Casting Parameters for Manufacturing Aluminium Based Nanocomposites Through Numerical Investigation. <i>Advanced Science Letters</i> , <b>2018</b> , 24, 5816-5820	0.1	1
12	Machinability studies on Al 7075/BN/Al <sub>2</sub> O <sub>3</sub> squeeze cast hybrid nanocomposite under different machining environments. <i>Materials and Manufacturing Processes</i> , <b>2018</b> , 33, 587-595	4.1	28
11	An investigation on the tribological characteristics of Al 7075 based single and hybrid nanocomposites. <i>Materials Today: Proceedings</i> , <b>2018</b> , 5, 12837-12847	1.4	11
10	Mechanical and tribological behaviour of molten salt processed self-lubricated aluminium composite under different treatments. <i>Materials Research Express</i> , <b>2018</b> , 5, 055040	1.7	5
9	Comparative study on the mechanical and microstructural characterisation of AA 7075 nano and hybrid nanocomposites produced by stir and squeeze casting. <i>Journal of Advanced Research</i> , <b>2017</b> , 8, 309-319	13	106
8	Two zone modeling of combustion, performance and emission characteristics of a cylinder head porous medium engine with experimental validation. <i>Multidiscipline Modeling in Materials and Structures</i> , <b>2016</b> , 12, 495-513	2.2	4
7	Effect of exhaust gas recirculation on advanced diesel combustion and alternate fuels - A review. <i>Applied Energy</i> , <b>2016</b> , 180, 169-184	10.7	122
6	Detection of Buried Objects using active Sonar <b>2015</b> ,		1
5	Influence of Exhaust Gas Recirculation, and Injection Timing on the Combustion, Performance and Emission Characteristics of a Cylinder Head Porous Medium Engine. <i>Journal of Thermodynamics</i> , <b>2015</b> , 2015, 1-10		1
4	Part Load Performance and Emission Improvement of Direct Injection Diesel Engine through Porous Medium Combustion Technique. <i>Clean - Soil, Air, Water</i> , <b>2009</b> , 37, 806-810	1.6	1
3	Smart ceramic materials for homogeneous combustion in internal combustion engines: A review. <i>Thermal Science</i> , <b>2009</b> , 13, 153-163	1.2	4
2	Numerical Study of Effect of Material and Orientation on Strength of Side Door Intrusion Beam		1

- 1 Critical analysis on the implementation barriers and consumer perception toward future electric mobility. *Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering*,095440702210803

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