



3.4.3 Details of research papers per teacher in CARE Journals notified on UGC website during the year

Summary of Academic Year: 2019-20

Sr. No.	Name of Author's	Title of Paper	Name of Journal	Month/Year
1	Babu, KM Kiran, and Rajkumar S. Pant,	A review of Lighter-than-Air systems for exploring the atmosphere of Venus	Progress in Aerospace Sciences, Elsevier	Jan-2020
2	T. Anup Kumar, SK.Vajeer Baba, Noble Sharma, A. Srinath,	Thermo-hydraulic optimization of plate heat exchanger in ORC for a rated heat load	Journal of Critical Reviews, Innovare Academics Sciences Pvt. Ltd,	May-2020
3	T. Anup Kumar, Ch. Sai Kiran, A. Srinath, N. Samuel, Noble Sharma	Performance optimization of a constant power subcritical organic rankine cycle for low grade heat source with varying temperature	International Journal of Mechanical and Production Engineering Research and Development, Transstellar Journal Publications and Research Consultancy Private Limited	Apr-2020
4	Dhanshri B. Bhadke, Manoj D. Patil	Operation and Control of a DC Micro-grid with Wind Power Generation and Energy Storage	Blue Eyes Intelligence Engineering & Sciences Publications; International Journal of Recent Technology and Engineering	2019
5	Manoj D. Patil	Modeling and Simulation of Indirect Back EMF Detection Based Sensor Less Operation of PMLDC Motor Drive	Blue Eyes Intelligence Engineering & Sciences Publications; International Journal of Engineering and Advanced Technology (IJEAT)	2019
6	Rajendra B. Madake	Modeling and Simulation of Indirect Back EMF Detection Based Sensor Less Operation of PMLDC Motor Drive	Blue Eyes Intelligence Engineering & Sciences Publications; International Journal of Engineering and Advanced Technology (IJEAT)	2019
7	M. D. Patil	Design of fractional order controllers using constrained optimization and reference tracking method	International Journal of Power Electronics and Drive System	2020
8	Singaram Gopinath	A new intelligent Scheme for power systems fault detection and classification: A hybrid technique	Int. J Number Model El	2020
9	P. G. Chandak	Utilizing different wastes in rural roads of Karad, District – Satara, India	International Journal of Innovative Technology and Exploring Engineering, Volume-8, Issue-11	2019
10	P. G. Chandak	Performance Evaluation of Flexible Pavement for Critical Parameters Causing Premature Failure	International Journal of Innovative Technology and Exploring Engineering, Volume-8, Issue-12	2019



11	G. S. Kate	Risk analysis and allocation in public-private partnership power transmission line projects	International Journal of Critical Infrastructures, Vol. 16, No. 1,	2020
12	G. S. Kate	Application of risk analysis and allocation model on public-private partnership power transmission line projects	International Journal of Critical Infrastructures, Vol. 16, No. 3,	2020
13	Gopinath S	Insulation Condition Assessment of High Voltage Rotating Machines Using Hybrid Techniques	IET Generation Transmission & Distribution	2019
14	Dr.S.G.Sapate,	Breast cancer diagnosis using abnormalities on ipsilateral views of digital mammograms	(Elsevir's) Biocybernetics and Biomedical Engineering 40(1),2020, 290-235,Impact Factor:2.159,	January– March 2020
15	Mr.A.S.Dange	Secure HDFS Using OAuth 2.0	International Journal of Computer Trends and Technology (IJCTT) – Volume 67 Issue 6 - June 2019, Page No. – 89	Jun-19
16	P. V. Gaikwad	Co ²⁺ Substituted ZnCuFe ₂ O ₄ (0.0 ≤ x ≤ 0.5) Ferrites: Synthesis, Magneto-structural and Optical Properties for Their Photocatalytic Performance	Journal of Superconductivity and Novel Magnetism	2019
17	Dr. A. S. Jadhav	Effect of electrolytes on photoelectrochemical performance of aCuS–CdS heterojunction	Bulletin of Materials Science	2019
18	R.B.Patil	Life Cycle cost analysis of a computerized numerical control machine tool: a case study from Indian Manufacturing Industry	Journal of Quality in Maintenance Engineering	2019
19	L.Y.Waghmode	Life Cycle cost analysis of a computerized numerical control machine tool: a case study from Indian Manufacturing Industry	Journal of Quality in Maintenance Engineering	2019
20	Anil B. Shinde	Optimal Design of Surface Texturing Parameters for Improving the Performance of Journal Bearing	AIP Conference Proceedings	2019
21	Prashant Pawar	Optimal Design of Surface Texturing Parameters for Improving the Performance of Journal Bearing	AIP Conference Proceedings	2019
22	P. S. Daingade	Optimal Design of Surface Texturing Parameters for Improving the Performance of Journal Bearing	AIP Conference Proceedings	2019
23	S. P. Chavan	Optimal Design of Surface Texturing Parameters for Improving the Performance of Journal Bearing	AIP Conference Proceedings	2019



24	Anil B. Shinde	Comparative Analysis of Performance Parameters of Journal Bearing with Groove and Dimple Shape Surface Texturing	AIP Conference Proceedings	2019
25	M.M.Jadhav	Comparative Analysis of Performance Parameters of Journal Bearing with Groove and Dimple Shape Surface Texturing	AIP Conference Proceedings	2019
26	Anil B. Shinde	Experimental Investigation of Rheological Properties of Water Lubricant by Adding CuO Nano Particles	AIP Conference Proceedings	2019
27	D.A.Mhamne	Experimental Investigation of Rheological Properties of Water Lubricant by Adding CuO Nano Particles	AIP Conference Proceedings	2019
28	S.V. Nishandar	Experimental Investigation of Rheological Properties of Water Lubricant by Adding CuO Nano Particles	AIP Conference Proceedings	2019
29	Vilas S. Hajare, Avesahemad S. N. Husainy, Mandar A. Jadhav, Sumit G. Bardiya, Siddhanath V. Nishandar	Evaluation of bio-fouling effect in cooling tower by chemical treatment	International Journal of Recent Technology and Engineering	2019
30	S. A. Mullya	An Investigation into Performance of Electric Discharge Milling using Slotted tools	Journal of Mechanical Science and Technology	2020
31	V. S. Ganachari,	An Investigation into Performance of Electric Discharge Milling using Slotted tools	Journal of Mechanical Science and Technology	2020
32	Kathavate, V.S., Pawar, D.N., Bagal, N.S., Adkine, A.S., Salunkhe, V.G.	Micromechanics Based Models for Effective Evaluation of Elastic Properties of Reinforced Polymer Matrix Composites	Sixth International Conference on Recent Advances in Composite Materials	2019
33	V.G. Salunkhe	Mathematical Modelling and Experimental Evaluation of an Air Spring-Air Damper Dynamic Vibration Absorber	Journal of Vibration Engineering & Technologies.	Jan-20
34	S.V.Nishandar	Reducing temperature fluctuation of refrigeration system by incorporating Nano phase change material	4th International Conference on Emerging Technologies: Micro to Nano (ETMN-2019), (AIP)	Feb-20
35	Suresh L. Chittewar	Transforming micro electromechanical systems to nano electromechanical systems design,	Materials Today: Proceedings International Conference on Materials, Processing & Characterization.	Feb-20



		analysis, modeling and simulation of nanostructures		
36	Salunkhe V.G	Theoretical and experimental investigation of effect of boundary conditions on SEA parameters for idealised subsystems	Elsevier, Journal of Material Today Proceedings, Vol. 11	Feb-20
37	S.L.Chittewar	Surface integrity of conventional and additively manufactured nickel superalloys: A review	International Conference on Materials, Processing & Characterization.	Apr-20
38	A. B. Shinde	Enhance the mixing performance of water and ethanol at micro level using geometrical modifications	International Conference on Manufacturing Material Science and Engineering	May-20
39	A.V. Patil	Enhance the mixing performance of water and ethanol at micro level using geometrical modifications	International Conference on Manufacturing Material Science and Engineering	May-20
40	V.B. Patil	Enhance the mixing performance of water and ethanol at micro level using geometrical modifications	International Conference on Manufacturing Material Science and Engineering	May-20
41	Salunkhe V.G	Experimental investigations of different fiber orientations on damping loss factor of fiberglass composite specimens	Elsevier, Journal of Material Today Proceedings, Vol. 21	May-20
42	Y.P.Ballal	Maintenance and Upgradation of Slotting Machine”, International Journal of Trend in Reserach and Development	International Journal of Trend in Reserach and Development, Volume 7(3)	Jun-20
43	M M Jadhav	Vibration analysis of Driveshaft with crack using experimental modal Analysis and FEA	International Journal of Engineering Research and Technology (IJERT)	July 2019
44	M M Jadhav	Verification of Vibration of Composite Beam with Crack by using Finite Element Method and Experimental Method	International Journal of Recent Technology and Engineering (IJRTE)	November 2019
45	Mr. P. B. Patil	Design and Development Flexible Chaff Cutting Machine	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	June 2019
46	Mr. P.V Mali	Design and Development Flexible Chaff Cutting Machine	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	June 2019
47	Mr. Y. P.Ballal	Design and Development Flexible Chaff Cutting Machine	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	June 2019
48	AB Shinde	Parametric investigation of surface texturing on performance characteristics of water lubricated journal bearing using FSI approach	SN Applied Science	December 2019
49	SP Chavan	Parametric investigation of surface texturing on performance characteristics of water lubricated journal bearing using FSI approach	SN Applied Science	December 2019



50	Mr. S.V. Nishandar	Evaluation of Bio-Fouling Effect in Cooling Tower by Chemical Treatment	International Journal of Recent Technology and Engineering (IJRTE)	Sept 2019
51	Dr. I. M. Jamadar	Model-Based Condition Monitoring for the Detection of Failure of a Ball Bearing in a Centrifugal Pump	Journal of Failure Analysis and Prevention	2019
52	P.V.Shinde	Modeling, attenuation and flow field analysis of diesel engine muffler using fluid structure interaction approach and experimental analysis	SN Applied Sciences Springer	2020
53	Mr. V. R. Patil	Modeling, attenuation and flow field analysis of diesel engine muffler using fluid structure interaction approach and experimental analysis	SN Applied Sciences Springer	2020
54	Mr. S. M. Patil	Modeling, attenuation and flow field analysis of diesel engine muffler using fluid structure interaction approach and experimental analysis	SN Applied Sciences Springer	2020
55	V. R. Patil	Dynamic response analysis of unbalanced rotor-bearing system with internal radial clearance	SN Applied Sciences Springer	2020
56	Mr. Basavaraj S. Sannakashappan avar	Growth of ZnO Nanorods on Different Seed Layer Thickness Using the Hydrothermal Method for UV Detection	Journal of Nanoelectronics and Optoelectronics	July 2019
57	Mr. Basavaraj S. Sannakashappan avar	Fabrication and characterization of Schottky diode on ultra thin ZnO film and its application for UV detection	Materials Research Express	October 2019
58	Mr. Basavaraj S. Sannakashappan avar	Synthesis of ZnO Ultra-Thin Film-Based Bottom-Gate Phototransistors for UV Detection	Journal of Electronic Materials	2020
59	Mr. V. A. Mane	Robust Speaker Identification using power spectral density and pitch	International Journal of Advanced Science and Technology	2020

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