



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

Summary of Academic Year: 2021-22

Sr. No.	Name of Author's	Title of Paper/Book/ Chapter	Name of Publisher	Year
1	N. M. Jamadar	Evaluation and Cost Analysis of Methods of Power Supply for Irrigation Pumps	J. Inst. Eng. India Ser. B	2022
2	N. M. Jamadar	Reliability assessment of supercapacitor for electric vehicle with hybrid energy storage	Life Cycle Reliability and Safety Engineering	2022
3	N. M. Jamadar	Rule-based assistive hybrid electric brake system with energy generation for electric vehicle, Energy Sources	Part A: Recovery, Utilization, and Environmental Effects, Taylor and Francis	2022
4	Dr. Gopinath.S	3 Phase Multilevel inverter with cascaded H bridge inverter designing and implementation for renewable energy system	Sustainable Energy Technologies and Assessments	2022
5	Suyogkumar V. Taralkar	Optimization of process condition to improve percentage purity of aloe emodin from aloe vera by extraction using response surface methodology with the central composite design tool	International Journal of Health Sciences	18 May 2022
6	Suyogkumar V. Taralkar	Reactive Extraction of Gluconic Acid Using Trioctylamine in Different Diluents	Chem. Eng. Technol.	2022
7	P. G. Chandak	Analytical and Laboratory Investigation on the Use of RAP and Waste Plastic for Conservative Planning of Road Construction Raw Materials	<i>Journal of Testing and Evaluation Volume 51, Issue 1</i>	2021
8	B V. Mane	Engineered cement composite enhanced reinforced concrete beams using flexural response: An experimental study	Materials Today: Proceedings	July 2021
9	A. D. Patil	Engineered cement composite enhanced reinforced concrete beams using flexural response: An experimental study	Materials Today: Proceedings	July 2021
10	A. P. Patil	Machine learning-based modeling of saturated hydraulic conductivity in soils of tropical semi-arid zone of India	Sadhana 47(26),	Jan 2022
11	P. B. Bhagawati	Performance optimization of microbial electrolysis cell (MEC) for palm oil mill effluent (POME) wastewater treatment and	International Journal of Hydrogen Energy Volume 47, Issue 34, April 2022, Pages 15464-15479	April 2022



		sustainable Bio-H ₂ production using response surface methodology (RSM)		
12	S. B. Hivarekar	Innovative Gravity Fed Clay Candle Filter with Enhanced Rate of Filtration for Turbidity Removal	Specialusis Ugdymas / Special Education 2022 1 (43)	April 2022
13	Ms. S.K. Jadhav	The structural, Electric and Dielectric Properties of Ni _{0.7} Cd _{0.3} NdxFe _{2-x} O ₄ (0 < x < 0.03) Ferrite prepared via Oxalate Co-Precipitation Route	Iranian journal of Material Science and Engineering	2021
14	Mr. A. N. Metkari	A Generalized Class of Harmonic Univalent Functions Associated with Al-Oboudi Operator Involving Convolution	Nonlinear Functional Analysis and Applications	2021
15	Dr. P.V. Gaikwad	Photocatalytic Degradation of Malachite Green using Hydrothermally Synthesized Cobalt-doped TiO ₂ Nanoparticles	Journal of the Iranian Chemical Society	2021
16	Dr. P.V. Gaikwad	Magneto-structural properties and reliability of (Mn/Ni/Zn) substituted cobalt-copper ferrite heterogeneous catalyst for selective and efficient oxidation of aryl alcohols	Inorganic and Nano-Metal Chemistry	2021
17	Mrs. V. M. Vairat	Mythical Framework and Symbolic Pictures in T. S. Eliot's Poem "The west Land"	Infokara Research	2022
18	Ramesh Kolluru, N.V.Raghavendra, S.V.Raghurama Rao, G.N. Sekhar,	Simple and robust contact-discontinuity capturing central algorithms for high speed compressible flows,	Applied Mathematics and Computation	Feb-2022
19	N. V. Raghavendra, S. V. Raghurama Rao,	A Boltzmann scheme with physically relevant discrete velocities for Euler equations,	International Journal of Advances in Engineering Sciences and Applied Mathematics	Oct-2021
20	Mr. A. S. Dange	Sentiment Classification for Product Reviews using NLP and Machine Learning	International Journal of Innovative Research in Science and Technology, Vol 10, Issue 1,	Jan-2022
21	Mr. A. S. Dange	Aspect based Sentiment Classification for Social Media Reviews using Supervised Classification Techniques	In Ilkogretim Online – Elementary Education Online 2021, Vol 20, Issue 5, pp 5445-5453 Scopus Index	Jul-1905
22	Dr. Sapate Suhas	Segmentation of Pectoral Muscle from Digital Mammograms with Depth-first Search Algorithm	Journal Title: BioCybernetics and Biomedical Engineering Elsevier, Date of submission: 2 March 2021, Date of Last	2021



		towards Breast Density Classification	Revision submission: 18 June 2021, Date of publication: 1st Sep 2021	
23	Dr. Sapate Suhas	Multi-channel DenseNet Architecture for Classification of Mammographic Breast Density for Breast Cancer Detection	Journal Title: Frontiers in Public Health	Feb-2022
24	Mrs. A. B. Shikalgar	A Survey of Credit Card Fraud Detection Using Machine Learning	International Journal for Science and Research & development, Volume 9, Issue 1 , ISSN[ONLINE]:23210313	Mar-2022
25	Mrs. A. B. Shikalgar	SENTIMENT ANALYSIS USING SOCIAL MEDIA	International Research Journal of Modernization in Engineering Technology and Science	May-2022
26	Mr. P. B. More	ADCET Placement Preparation and management System	International Journal of Innovative Research in Science, Engineering and Technology(IJRSET) Volume 10, Issue 6	May-2022
27	Mr. Y. S. Lubal	Text and Voice based chat boat Natural Language Processing and Artificial Intelligence	International Journal of Innovative Research in Science, Engineering and Technology (IJRSET) Volume 10, Issue 6	Jun-2022
28	Mrs. A. S. Patil	Smart Cap: Vision for the Visually Impaired	International Journal of Innovative Research in Computer & Communication Engineering	Jun-2022
29	Mr. S.V. Patil	K-way spectral graph partitioning for load balancing in parallel computing	International Journal of Information Technology	24-Aug-21
30	Mr. S.V. Patil	K-WAY BALANCED GRAPH PARTITIONING FOR PARALLEL COMPUTING	Scalable Computing	9-Dec-21
31	V. S. Ganachari	Simulation and Experimental investigation of performance characteristics of dry and near-dry edm process	Taylor and francis	1-Sep-22
32	L.Y.Waghmode	Simulation and Experimental investigation of performance characteristics of dry and near-dry edm process	Taylor and francis	1-Sep-22
33	S.A.Moolya	Simulation and Experimental investigation of performance characteristics of dry and near-dry edm process	Taylor and francis	1-Sep-22
34	S. A. Mullya	Electric discharge milling: a state-of-the-art review	Journal of the Brazilian Society of Mechanical Sciences and Engineering	1-Oct-22



35	V. S. Ganachari	Electric discharge milling: a state-of-the-art review	Journal of the Brazilian Society of Mechanical Sciences and Engineering	1-Oct-22
36	Mr. V G Salunkhe	Vibration Analysis of Deep Groove Ball Bearing Using Finite Element Analysis and Dimension Analysis	ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part B: Mechanical Engineering	2022
37	Mr. V G Salunkhe	An Intelligent Prediction for Detecting Bearing Vibration Characteristics Using a Machine Learning Model	Journal of Nondestructive Evaluation, Diagnostics and Prognostics of Engineering Systems	2021
38	A.A.Jadhav	A technology enabled assessment and attainment of desirable competencies	Education of chemical engineers	1-Aug-22
39	D. A. Suryawanshi	A technology enabled assessment and attainment of desirable competencies	Education of chemical engineers	1-Aug-22
40	Mr. M. D. Patil	Importance of Making of Students' E-Portfolio to the First Year Engineering and Technology Students	IJRAR	2022
41	Mr. M. D. Patil	Importance of Forming the English Communication Club At Entry Level of Engineering Graduation For Rural Indian Students	International Journal of Innovative Research in Technology	2022
42	Mr. A. A. Patil	Barriers in Teaching –Learning process	IJRTI	2022
43	Vaibhav Ganachari	Simulation of flow-field and debris temperature analysis in micro-electrical discharge milling using slotted tools	Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture	Jan 2022
44	Satish Mullya	Simulation of flow-field and debris temperature analysis in micro-electrical discharge milling using slotted tools	Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture	Jan 2022
45	Anil B. Shinde	Multi-objective optimization of split and recombine micromixer using grey relational analysis method	International Journal of Quality & Reliability Management	1-Dec-21
46	D. M. Mhamne	Computer-Aided Simulation of Railway Insert for Defect Analysis and Yield Improvement	Journal of The Institution of Engineers (India): Series C	1-Mar-21

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