

Authors	Title	Year	Source title	Volume	Issue	Art. No.	Page start	Page end	Cited by	DOI	Link	Document Type
Das, A.K.; Mohapatra, T.; Panda, A.K.; Sahoo, S.S.	Study on the performance and emission characteristics of pyrolytic waste plastic oil operated CI engine using response surface methodology	2021	Journal of Cleaner Production	328		129646			38	10.1016/j.jclepro.2021.129646	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118873197&doi=10.1016%2Fj.jclepro.2021.129646&partnerID=40&md5=dc71ca900a17e8f9ceac357e79cec7946	Article
Rana, P.; Mahanthesh, M.; Nisar, K.S.; Swain, K.; Devi, M.	Boundary layer flow of magneto-nanomicropolar liquid over an exponentially elongated porous plate with Joule heating and viscous heating: a numerical study	2021	Arabian Journal for Science and Engineering	46	12		12405	12415	28	10.1007/s13369-021-05926-8	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111148024&doi=10.1007%2Fs13369-021-05926-8&partnerID=40&md5=de62b7a6557e072c73e36217e1150e3d	Article
Mahanthesh, M.; Al-Kouz, W.; Swain, K.; Rout, P.K.	Computational modeling of heat transfer in magneto-non-Newtonian material in a circular tube with viscous and Joule heating	2021	Heat Transfer	50	7		6703	6718	11	10.1002/htj.22199	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107801744&doi=10.1002%2Fhtj.22199&partnerID=40&md5=56600063add589a8155b6718a6234bab	Article
Dash, S.K.; Mohanty, S.; Das, S.; Choudhury, S.; Khadenga, R.	Harmonic Elimination of a Reduced Switch Count Cascaded Multilevel Inverter using Grey Wolf Optimization for Renewable Energy Applications	2021					192	196	1	10.1109/IRIA53009.2021.9588706	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85119098330&doi=10.1109%2FIRIA53009.2021.9588706&partnerID=40&md5=e2c1fbf9000647034f1e3a1d75e333e3	Conference paper
Das, A.K.; Hansdah, D.; Panda, A.K.	Thermal balancing and exergetic performance evaluation of a compression ignition engine fuelled with waste plastic pyrolytic oil and different fuel additives	2021	Energy	229		120629			33	10.1016/j.energy.2021.120629	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104917848&doi=10.1016%2Fj.energy.2021.120629&partnerID=40&md5=0b88d02a14921151dad61f3ce9f776fb	Article
Das, A.K.; Sahoo, S.S.; Panda, A.K.	Production of Waste Plastics Oil and Its Prospective Use in a Variable Compression CI Engine	2021	Journal of Hazardous, Toxic, and Radioactive Waste	25	3	4021008			9	10.1061/(ASCE)HZ.2153-5515.0000606	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102069355&doi=10.1061%2F%28ASCE%29HZ.2153-5515.0000606&partnerID=40&md5=97f34e7ec63ae00a876aeab11074a10d	Article
Al-Kouz, W.; Swain, K.; Mahanthesh, M.; Jamshed, W.	Significance of exponential space-based heat source and inclined magnetic field on heat transfer of hybrid nanoliquid with homogeneous–heterogeneous chemical reactions	2021	Heat Transfer	50	4		4086	4102	24	10.1002/htj.22065	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099767931&doi=10.1002%2Fhtj.22065&partnerID=40&md5=df0c226fc9202652452bd1c3fa77762	Article
Swain, K.; Mahanthesh, M.	Thermal Enhancement of Radiating Magneto-Nanoliquid with Nanoparticles Aggregation and Joule Heating: A Three-Dimensional Flow	2021	Arabian Journal for Science and Engineering	46	6		5865	5873	62	10.1007/s13369-020-04979-5	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85092778609&doi=10.1007%2Fs13369-020-04979-5&partnerID=40&md5=facef11366cfe06b7d1f18a2b41dc28f	Article
Mishra, A.; Srivastava, A.; Mohapatra, A.K.; Sanjay, R.	Effect of ambient and operating parameters on the performance parameters of cooled gas turbine cycle	2021	AIP Conference Proceedings	2341		49974			1	10.1063/5.0049974	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106014196&doi=10.1063%2F5.0049974&partnerID=40&md5=2d88e4b27a22ab85869be9347ac1831f	Conference paper

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Sahu, B.; Mohanty, S.N.	CMBA-SVM: a clinical approach for Parkinson disease diagnosis	2021	International Journal of Information Technology (Singapore)	13	2		647	655	38	10.1007/s41870-020-00569-8	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099372058&doi=10.1007%2Fs41870-020-00569-8&partnerID=40&md5=0393130615c25989a51287a7e908c5a3	Article
Panigrahi, S.S.; Sahoo, P.K.; Sahu, B.; Panigrahi, A.; Jena, A.K.	Model-driven automatic paths generation and test case optimization using hybrid FA-BC	2021				9396999	263	268	5	10.1109/ESCI50559.2021.9396999	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104669488&doi=10.1109%2FESCI50559.2021.9396999&partnerID=40&md5=ab9f548215b4525a1b46e1bb97e845d5	Conference paper
Sahu, B.; Panigrahi, A.; Panigrahi, S.S.; Mohanty, S.N.; Sukla, S.; Aher, C.N.	CDA-SVM: A chaotic dragonfly enriched support vector machine for micro array data sets	2021				9396985	228	233	2	10.1109/ESCI50559.2021.9396985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104620245&doi=10.1109%2FESCI50559.2021.9396985&partnerID=40&md5=75476d5c0cb16ea55044794f6b86055b	Conference paper
Mishra, A.; Srivastava, A.; Mohapatra, A.K.	Augmentation of Gas-Turbine Performance Using Inlet Air Cooling and Turbine Blade Cooling: A Thermodynamic Approach	2021	SAE Technical Papers		2021				2	10.4271/2021-01-0031	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102599514&doi=10.4271%2F2021-01-0031&partnerID=40&md5=b12284dcd10dcb4425593637793488bd	Conference paper
Panigrahi, N.; Mohapatra, A.K.; Mishra, S.R.; Sahu, S.	Optimization of Performance and Emission characteristics of CI engine with various biodiesel using Taguchi Method	2021				9428926			0	10.1109/O-DICON5056.2021.9428926	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107512427&doi=10.1109%2FODICON5056.2021.9428926&partnerID=40&md5=bb5b480f8b327978fce117768d34c38a	Conference paper
Sahu, S.; Mohapatra, A.K.; Thatoi, D.N.; Panigrahi, N.	Improving gas turbine performance using mechanical chiller: A thermodynamic approach	2021				9428940			0	10.1109/O-DICON5056.2021.9428940	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107511255&doi=10.1109%2FODICON5056.2021.9428940&partnerID=40&md5=61bbc63505405d20877b788b3113f70	Conference paper
Sahu, S.; Thatoi, D.N.; Mohapatra, A.K.	Effect of Ambient and Operating Parameters on the Exergy Performance of a Marine Gas Turbine Engine	2021	SAE Technical Papers						0	10.4271/2021-01-1152	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148004559&doi=10.4271%2F2021-01-1152&partnerID=40&md5=25f3603ccbaa71295a17907c16e4b5b8	Conference paper
Sahoo, M.	Evaluation of machine learning-based modeling approaches in groundwater quantity and quality prediction	2021					87	103	7	10.1016/B978-0-12-823830-1.00016-X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85131212625&doi=10.1016%2FB978-0-12-823830-1.00016-X&partnerID=40&md5=497cf42a448f21e4e77b899885352a8d	Book chapter
Biswas, S.; Deka, B.; Dash, S.; Rout, K.	IoT-based fuzzy logic-controlled novel and multilingual mobile application for hydroponic farming	2021					31	42	8	10.1016/B978-0-12-823694-9.00027-X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85122094717&doi=10.1016%2FB978-0-12-823694-9.00027-X&partnerID=40&md5=c0ebaec683aee771f4cd423b6b0cecca	Book chapter

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Panigrahi, N.; Mishra, S.R.	Energy and exergy analysis of a CI engine fuelled with blend of liquid hydrocarbon waste plastics fuels and diesel	2021	International Journal of Environmental Technology and Management	24	05-Jun		424	441	0	10.1504/IJ-ETM.2021.117296	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85114280181&doi=10.1504%2FIJ-ETM.2021.117296&partnerID=40&md5=0d35ada841327697c250c900503fbccb	Article
Das, A.K.	Prediction of Engine Performance in a Single-Cylinder Diesel Engine Fueled with Waste Plastic Oil, Ethanol, and Diesel Blend by Artificial Neural Network	2021	SAE Technical Papers		2021				7	10.4271/2021-01-5072	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85113968018&doi=10.4271%2F2021-01-5072&partnerID=40&md5=c9cea965fb7430d21e941c24009b845b	Conference paper
Bhanipati, J.; Singh, D.; Biswal, A.K.; Rout, S.K.	Minimization of Collision Through Retransmission and Optimal Power Allocation in Wireless Sensor Networks (WSNs)	2021	Lecture Notes in Networks and Systems	202 LNNS			653	665	8	10.1007/978-981-16-0695-3_61	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111331843&doi=10.1007%2F978-981-16-0695-3_61&partnerID=40&md5=d92449c2d2f2f413bddbad4dc8148eae	Conference paper
Panigrahi, A.; Sahu, B.; Panigrahi, S.S.; Khan, M.S.; Jena, A.K.	Application of blockchain as a solution to the real-world issues in health care system	2021	Intelligent Systems Reference Library	203			135	149	8	10.1007/978-3-030-69395-4_8	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105384406&doi=10.1007%2F978-3-030-69395-4_8&partnerID=40&md5=5b60cb0cba99e5d72450630ff4d03a5a	Book chapter
Singh, K.R.; Dash, S.; Deka, B.; Biswas, S.	Mobile Technology Solutions for COVID-19	2021	Studies in Systems, Decision and Control	324			271	294	11	10.1007/978-3-030-60039-6_14	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102030586&doi=10.1007%2F978-3-030-60039-6_14&partnerID=40&md5=cf4273001c33903cc4f6712f7801e4c2	Book chapter
Panigrahi, A.; Sahu, B.; Priyadarshini, S.B.B.	Hetero Leach: Leach Protocol with Heterogeneous Energy Constraint	2021	Smart Innovation, Systems and Technologies	194			21	29	2	10.1007/978-981-15-5971-6_3	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096502781&doi=10.1007%2F978-981-15-5971-6_3&partnerID=40&md5=00440e2cf6e8591a7afaa1beba841b32	Conference paper
Panigrahi, A.; Sahu, B.; Rout, S.K.; Kumar Rath, A.K.	M-Throttled: Dynamic Load Balancing Algorithm for Cloud Computing	2021	Smart Innovation, Systems and Technologies	194			3	10	6	10.1007/978-981-15-5971-6_1	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096471677&doi=10.1007%2F978-981-15-5971-6_1&partnerID=40&md5=2ae44f0269a69b9d516f0095a876b3de	Conference paper
Das, A.K.; Mohanty, R.	Performance enhancement of domestic refrigeration system using r-134a refrigerant blended with graphene as nano additives	2021	Lecture Notes in Mechanical Engineering				99	110	6	10.1007/978-981-15-6360-7_10	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85093841620&doi=10.1007%2F978-981-15-6360-7_10&partnerID=40&md5=acf65670b0280985db1863628bf92d12	Conference paper

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Mishra, H.; Jena, A.	Light Weight Concrete Using Light Weight Expanded Clay Aggregate and Dry Saw Dust	2021	Lecture Notes in Civil Engineering	75			517	526	0	10.1007/978-981-15-4577-1_43	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85088266637&doi=10.1007%2F978-981-15-4577-1_43&partnerID=40&md5=2396dc94374e776e81090a8a86cf72b2	Book chapter