

EASWARI ENGINEERING COLLEGE HIGH IMPACT PUBLICATIONS

Authors	Title	Year	Source title	Impact Factor	Volume	Issue	Art. No.	Page start	Page end	Page count	Cited by
V, Antony Aroul Raj., R, Velraj., Haghighat, F.	The contribution of dry indoor built environment on the spread of Coronavirus: Data from various Indian states	2020	Sustainable Cities and Society	11.7	62		102371				41
Sathyanarayanan, S., Suresh, S., Saravanan, C.G., Vikneswaran, M., Dhamodaran, G., Sonthalia, A., Josephin, J.S.F.,	Experimental investigation and performance prediction of gasoline engine operating parameters fueled with diisopropyl ether-gasoline blends: Response surface methodology based optimization	2022	Journal of Cleaner Production	11.1	375		133941				1
Prakash, S.A., Hariharan, C., Arivazhagan, R., Sheeja, R., Raj, V.Antony Aroul Raj., Velraj, R.	Review on numerical algorithms for melting and solidification studies and their implementation in general purpose computational fluid dynamic software	2021	Journal of Energy Storage	9.4	36		102341				10
Arun Prakash, S., Gunadevan, D., Arivazhagan, R., Sheeja, R., Antony Aroul Raj, V., Velraj, R.	Performance evaluation of phase change material integration in buildings using novel non-dimensional performance parameters for different cities and months in India	2021	Journal of Energy Storage	9.4	42		103015				5
Suresh, R., Karthikeyan, N.S., Gnanasekaran, L., Rajendran, S., Soto-Moscoso, M.	Facile synthesis of CuO/g-C ₃ N ₄ nanolayer composites with superior catalytic reductive degradation behavior	2023	Chemosphere	8.8	315		137711				1

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Hariharan, C., Gunadevan, D., Arun Prakash, S., Latha, K., Antony Aroul Raj, V., Velraj, R.	Simulation of battery energy consumption in an electric car with traction and HVAC model for a given source and destination for reducing the range anxiety of the driver	2022	Energy	9	249		123657				2
Velvizhi, G., Jacqueline, P.J., Shetti, N.P., K, Latha., Mohanakrishna, G., Aminabhavi, T.M.	Emerging trends and advances in valorization of lignocellulosic biomass to biofuels	2023	Journal of Environmental Management	8.7	345		118527				
Rajasekhar, B., Venkateshwaran, U., Durairaj, N., Divyapriya, G., Nambi, I.M., Joseph, A.	Comprehensive treatment of urban wastewaters using electrochemical advanced oxidation process	2020	Journal of Environmental Management	8.7	266		110469				30
Bibin, C., Sheeja, R., Devarajan, Y., S, M., Ponnappan, V.S., L, N.	Environment impact assessment of agricultural diesel engines utilizing biodiesel derived from phoenix sylvestris oil	2023	Environmental Research	8.3	224		115432				4
Saravanan, K., Shanthi, B., Ravichandran, C., Venkatachalapathy, B., Sathiyarayanan, K.I., Rajendran, S., Karthikeyan, N.S., Suresh, R.	Transformation of used aluminium foil food container into ALOOH nanoflakes with high catalytic activity in anionic azo dye reduction	2023	Environmental Research	8.3	218		114985				

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Balasubramanian, S., Kanagarathinam, S., Cingaram, R., Bakthavachalam, V., Kulathu Iyer, S., Rajendran, S., N S Karthikeyan., Ranganathan, S.	Waste toner-derived porous iron oxide pigments with enhanced catalytic degradation property	2023	Environmental Research	8.3	216		114695				
Pandian, H., Senthilkumar, Ratnam M, V., M, Navin Kumar., S, S.	Azadirachta indica leaf extract mediated silver nanoparticles impregnated nano composite film (AgNP/MCC/starch/whey protein) for food packaging applications	2023	Environmental Research	8.3	216		114641				1
Nagarajan, S., Kayalvizhi, S., Subhashini, R., Anitha, V.	Hybrid honey badger-world cup algorithm-based deep learning for malicious intrusion detection in industrial control systems	2023	Computers and Industrial Engineering	7.9	180		109166				1
Bhattacharyya, A., Avinash S. K., Karthikeyan, N.S.* Ravichandran, C., Venkatachalapathy, B., Rao, T.S., Seshadri, H., and Mohapatra, P.K.	Aqueous soluble 'N' donor heterocyclic ligands for the mutual separation of Am ³⁺ and Eu ³⁺ : Solvent extraction, flatsheet supported liquid membrane and hollow fiber microextraction studies.	2021	Journal of Environmental Chemical Engineering	7.7	9(5)		106041				08
Vijayan, D.S., Mohan, A., Revathy, J., Parthiban, D., Varatharajan, R.	Evaluation of the impact of thermal performance on various building bricks and blocks: A review	2021	Environmental Technology and Innovation	7.7	23		101577				54

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Saravanan, C.G., Raj Kiran, K., Vikneswaran, M., Rajakrishnamoorthy, P., Yadav, S.P.R.	Impact of fuel injection pressure on the engine characteristics of CRDI engine powered by pine oil biodiesel blend	2020	Fuel	7.4	264		116760				19
Nandakumar, C., Raman, V., Saravanan, C.G., Vikneswaran, M., Prasanna Raj Yadav, S., Thirunavukkarasu, M.	Effect of nozzle hole geometry on the operation of kapok biodiesel in a diesel engine	2020	Fuel	7.4	276		118114				15
Prasanna Raj Yadav, S., Saravanan, C.G., Karthick, S., Senthilnathan, K., Gnanaprakash, A.	Fundamental droplet evaporation and engine application studies of an alternate fuel produced from waste transformer oil	2020	Fuel	7.4	259		116253				13
Mohamed Farmaan, A.K., Mukund, R., Arun Prakash, S., Pradeep, P., Antony Aroul Raj, V., Senthil kumar, M.	Experimental and computational investigation of engine characteristics in a compression ignition engine using mahua oil	2021	Fuel	7.4	284		119007				5
Saravanan, C.G., Vikneswaran, M., Prasanna Raj Yadav, S., Edwin Geo, V., Sasikala, J., Ashok, K., Muthukumaran, N.	Experimental study of feasibility of orange peel oil as a partial replacement for gasoline fuel in SI engine with and without MAO coated piston	2022	Fuel	7.4	315		123173				4
Kannan Rajkumar, P.R., Mathangi, D.P., C, S., M, N.	Experimental Investigation of Reactive Powder Concrete exposed to Elevated Temperatures	2020	Construction and Building Materials	7.4	261		119593				8

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Indumathy, M., Sobana, S., Panda, R.C.	Modelling of fouling in a plate heat exchanger with high temperature pasteurisation process	2021	Applied Thermal Engineering	6.4	189		116674				13
Maleki, B., Singh, B., Eamaeili, H., Venkatesh, Y.K., Talesh, S.S.A., Seetharaman, S.	Transesterification of waste cooking oil to biodiesel by walnut shell/sawdust as a novel, low-cost and green heterogeneous catalyst: Optimization via RSM and ANN	2023	Industrial Crops and Products	6.4	193		116261				4
Anandan, V., Naresh Babu, M., Vetrivel Sezhian, M., Yildirim, C.V., Dinesh Babu, M.	Influence of graphene nanofluid on various environmental factors during turning of M42 steel	2021	Journal of Manufacturing Processes	6.2	68			90	103		7
Naresh Babu, M., Anandan, V., Dinesh Babu, M.	Performance of ionic liquid as a lubricant in turning inconel 825 via minimum quantity lubrication method	2021	Journal of Manufacturing Processes	6.2	64			793	804		4
Jose, J., Prathibha, T., Karthikeyan, N.S., Venkatesan, K.A., Selvan, B.R., Seshadri, H., Venkatachalapathy, B., Ravichandran, C.	Evaluation of selected solvent systems for the single-cycle separation of Am(III) from Eu(III) using aqueous soluble sulphonated bis-triazinylpyridine	2020	Journal of Molecular Liquids	6	306		112893				7