

Scopus Publications

S.No	Authors	Title	Year	Source title	DOI	Link
1	Sambandam P., Yuvaraj D., Padmakumari P., Swaminathan S.	Deep attention based optimized Bi-LSTM for improving geospatial data ontology	2023	Data and Knowledge Engineering	10.1016/j.datak.2022.102123	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143731860&doi=1
2	Clement Raj C., Srimurugan V., Sundheep R., Lakshman N.	Enhanced electrochemical capacitance of a surfactant modified hierarchical Co(OH) ₂ /TiO ₂ nanotube array for	2023	Inorganic Chemistry Communications	10.1016/j.inoche.2022.110286	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144082057&doi=1
3	Vasanth Kumar V., Sendhilkumar S.	Developing a conceptual framework for short text categorization using hybrid CNN- LSTM based Caledonian crow	2023	Expert Systems with Applications	10.1016/j.eswa.2022.118517	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85138109711&doi=1
4	Yasotha B., Sasikala T., Krishnamurthy M.	Wrapper Based Linear Discriminant Analysis (LDA) for Intrusion Detection in IIoT	2023	Computer Systems Science and Engineering	10.32604/csse.2023.025669	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143771447&doi=1
5	Dhanalakshmi R., Samanta S., Sivaraman A.K., Lee J.G., Balasundaram A., Tanaji S.S.	Multi-attribute Group Decision-making Based on Hesitant Bipolar-valued Fuzzy Information and Social Network	2023	Computer Systems Science and Engineering	10.32604/csse.2023.026254	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135936233&doi=1
6	Panneerselvam R.G., Prakash C.	Study on the float-control weaves application algorithms of computer-aided jacquard graph designing for different	2023	Journal of the Textile Institute	10.1080/00405000.2021.2023956	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85122248885&doi=1
7	Rekha V.B., Prakash C., Gowri K.	Synthesis and characterization of superabsorbent natural polymers from agro-waste fibres	2022	Indian Journal of Fibre and Textile Research	10.56042/ijftr.v47i4.54789	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144566049&doi=1
8	Sowmya S., Jose D.	Contemplate on ECG signals and classification of arrhythmia signals using CNN-LSTM deep learning model	2022	Measurement: Sensors	10.1016/j.measen.2022.100558	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141282698&doi=1
9	Sundararaj M., Rajamurugu N., Anbarasi J., Yaknesh S., Sathyamurthy R.	Parametric optimization of novel solar chimney power plant using response surface methodology	2022	Results in Engineering	10.1016/j.rineng.2022.100633	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85138124987&doi=1
10	Bharathi C.M., Anitha S., Karthikeyan G., Karthikeyan T., Kumar G.A., Krithika	Sericin treated spunlace fabric for wound healing	2022	Asian Textile Journal		https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145170109&partn
11	Partheepan R., Perinbam J.R.P., Krishnamurthy M., Shanker N.R., Kumari S.K.	Visualization of occipital lobe and zygomatic arch of brain region through non-linear perspective projection using	2022	Soft Computing	10.1007/s00500-022-07427-8	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85136848195&doi=1
12	Premalatha G., Bai V.T.	Design and implementation of intelligent patient in-house monitoring system based on efficient XGBoost-CNN approach	2022	Cognitive Neurodynamics	10.1007/s11571-021-09754-2	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85122762840&doi=1
13	Sarathbabu R.T., Kannan M.	Performance study on the CI engine using LHR and LTC in combination with biodiesel blends	2022	Journal of Engineering Research (Kuwait)	10.36909/jer.10471	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137616980&doi=1

14	Assegie T.A., Rangarajan P.K., Kumar N.K., Vigneswari D.	An empirical study on machine learning algorithms for heart disease prediction	2022	IAES International Journal of Artificial Intelligence	10.11591/ijai.v11.i3.pp1066-1073	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85133134615&doi=1
15	Sakthi B.B., Sundari P.D.	Design of coil parameters for inductive type wireless power transfer system in electric vehicles	2022	International Journal of Energy Research	10.1002/er.8016	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85130691912&doi=1
16	Mohamed G., Visumathi J., Mahdal M., Anand J., Flangovan M.	An Effective and Secure Mechanism for Phishing Attacks Using a Machine Learning Approach	2022	Processes	10.3390/pr10071356	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137336670&doi=1
17	Ramachandran M., Mirjalili S., Malli Ramalingam M., Charles Gnanakkan C.A.R.,	A ranking-based fuzzy adaptive hybrid crow search algorithm for combined heat and power economic dispatch	2022	Expert Systems with Applications	10.1016/j.eswa.2022.116625	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85126326156&doi=1
18	Premalatha G., Bai V.T.	Wireless IoT and Cyber-Physical System for Health Monitoring Using Honey Badger Optimized Least-Squares	2022	Wireless Personal Communications	10.1007/s11277-022-09500-9	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127321089&doi=1
19	Lakshmi N., Krishnamurthy M.	Frequent Itemset Generation Using Association Rule Mining Based on Hybrid Neural Network Based Billiard	2022	Journal of Circuits, Systems and Computers	10.1142/S0218126622501389	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85125541455&doi=1
20	Merlin B.F., Amrutha R.	Spectroscopic and HLCT Analysis on 4,7-Di(2-Thienyl)-2,1,3-Benzothiadiazole and Its Di-Substituted Derivatives for	2022	Acta Physica Polonica A	10.12693/APhysPolA.141.445	https://www.scopus.com/inward/record.uri?eid=2-s2.0-8513337492&doi=1
21	Ramachandran M., Mirjalili S., Nazari-Heris M., Parvathysankar D.S.,	A hybrid Grasshopper Optimization Algorithm and Harris Hawks Optimizer for Combined Heat and Power Economic	2022	Engineering Applications of Artificial Intelligence	10.1016/j.engappai.2022.104753	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85125747460&doi=1
22	Lakshmi N., Krishnamurthy M.	Association rule mining based fuzzy manta ray foraging optimization algorithm for frequent itemset	2022	Concurrency and Computation: Practice and Experience	10.1002/cpe.6790	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85121702375&doi=1
23	Parimalasundar E., Jayakumar S., Ravikumar R., Suresh K.	Investigation analysis of open circuit and short circuit fault on cascaded H-bridged multilevel inverter using artificial neural	2022	International Journal of Electrical and Electronics Research	10.37391/IJEER.100243	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85134413545&doi=1
24	Abraham J., Arockiaraj M., Jency J., Kavitha S.R.J., Balasubramanian K.	Graph entropies, enumeration of circuits, walks and topological properties of three classes of isorecticular metal	2022	Journal of Mathematical Chemistry	10.1007/s10910-021-01321-8	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85125420200&doi=1
25	Sangeetha A.L., Bharathi N., Ganesh A.B., Kalaichitra G.	Internet-mediated automation of a cascade control system-an Engineering laboratory experiment	2022	International Journal of Electrical Engineering and Education	10.1177/0020720919846819	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065418250&doi=1
26	Syam Narayanan S., Asad Ahmed R.	Effect of chord-wise flexibility in the lift generation of flapping MAV with membrane wing	2022	Aircraft Engineering and Aerospace Technology	10.1108/AEAT-03-2021-0070	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85122385449&doi=1
27	Subramani N., Sangeetha M., Kengaiyah V., Prakash S.	Numerical modeling on dynamics of droplet in aircraft wing structure at different velocities	2022	Aircraft Engineering and Aerospace Technology	10.1108/AEAT-04-2021-0115	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85116904132&doi=1
28	Thaloor Ramesh P., Kengaiyah V., Gutema E.M., Velusamy P., Balamoorthy D.	Development of cost-effective shock tube based on experimental and numerical analysis	2022	Aircraft Engineering and Aerospace Technology	10.1108/AEAT-04-2021-0122	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85113751414&doi=1

29	Agoramoorthy M., Praveen Joe I.R.	Hybrid cuckoo–red deer algorithm for multiobjective localization strategy in wireless sensor network	2022	International Journal of Communication Systems	10.1002/dac.5042	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85119984622&doi=1
30	Suresh S.S., Raja D., Thiyaneswaran B., Gobinath R., Kumar S.K.S.,	A novel conductive sensor-based test method to measure longitudinal wicking of fabrics	2022	Indian Journal of Fibre and Textile Research	10.56042/ijfr.v1i2.54667	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85136335288&doi=1
31	Thilakavathy J., Amrutha R., Subramanian K., Rajan M.S.M.	Different wave patterns for (2 + 1) dimensional Maccari's equation	2022	Nonlinear Dynamics	10.1007/s11071-021-07179-4	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85122832299&doi=1
32	Panneerselvam R.G., Sriramulu V., Ramalingam P., Prakash C.	A study on the revival of Jamdani weaving technique and Kalamkari drawing—dyeing processes of traditional	2022	Journal of Testing and Evaluation	10.1520/JTE20210337	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117006143&doi=1
33	Thanigaivel S., Vickram S., Saranya V., Ali H., Alarifi S., Kumar Reddy Modigunta J.,	Seaweed polysaccharide mediated synthesis of silver nanoparticles and its enhanced disease resistance in	2022	Journal of King Saud University - Science	10.1016/j.jksus.2021.101771	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85121900842&doi=1
34	Jacob M.S., Selvi Rajendran P.	Fuzzy artificial bee colony-based CNN-LSTM and semantic feature for fake product review classification	2022	Concurrency and Computation: Practice and Experience	10.1002/cpe.6539	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112676165&doi=1
35	Natarajan A., Venugopal D., Thangavelu L.	INVESTIGATION OF BIOMASS GASIFICATION SIMULATION USING AIR, STEAM, AND OXYGEN AS GASIFYING	2022	Thermal Science	10.2298/TSCI220207092N	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145877644&doi=1
36	Anand R.	Blockchain security in virtual environment	2022	Journal of Intelligent and Fuzzy Systems	10.3233/JIFS-212619	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145660143&doi=1
37	Vijay J.F.	Retraction Note: Enrichment of accurate software effort estimation using fuzzy-based function point analysis in	2022	Neural Computing and Applications	10.1007/s00521-022-08159-4	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143904259&doi=1
38	Hameed M.S., Ramya E., Pillai L., Kirubavathy K.J., Shylesh D.S.D., Bai V.T., Jaganathan R.	Realtime Monitoring System for Surface Water Quantity and Analyzing of Water Quality Using Microcontroller	2022	Journal of Pharmaceutical Negative Results	10.47750/pnr.2022.13.S03.073	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143707163&doi=1
39	Vinoth Kumar V., Gayathri P., Sankar R., Arunamaheswari C., Prasath R.	Investigation on the Role of Molecular Planarity and Conjugation Effects on Physicochemical Properties of	2022	Polycyclic Aromatic Compounds	10.1080/10406638.2022.2149566	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143424436&doi=1
40	Ashok Kumar R., Indra Prasad B., Bibin C., Jerry Thomas I., Soundararajan G.,	Physical and mechanical characterization of Al7075/Si3N4 metal matrix composite prepared by stir casting technique	2022	Materials Today: Proceedings	10.1016/j.matpr.2022.11.096	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142714116&doi=1
41	Panneerselvam R.G., Balamurugan D., Prakash C., Raja D.	A study on generating the perspective projection of different weave structures using 3D computer-aided designing tools	2022	Journal of the Textile Institute	10.1080/00405000.2022.2145449	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142125020&doi=1
42	Dhanalakshmi R., Bhavani N.P.G., Raju S.S., Shaker Reddy P.C., Marvaluru D., Singh D.P.,	Onboard Pointing Error Detection and Estimation of Observation Satellite Data Using Extended Kalman Filter	2022	Computational Intelligence and Neuroscience	10.1155/2022/4340897	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139886408&doi=1
43	Jayanthi G., Sumathi S., Kannan K., Andal V., Murugan S.	A Review on Synthesis, Properties, and Environmental Application of Fe-Based Perovskite	2022	Advances in Materials Science and Engineering	10.1155/2022/6607683	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139427456&doi=1

44	Kannaiyan S., Easwaramoorthi D., Kannan K., Gopal A., Lakshmipathy	Pisonia Alba Assisted Synthesis of Nanosilver for Wound Healing Activity	2022	Bioinorganic Chemistry and Applications	10.1155/2022/1775198	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85138983823&doi=1
45	Aswin C.G., Kumareswaran A., Lakshmanan R., Mathavan S., Andal V., Lakshmipathy R.,	Comparative Analysis of NOx Emission Reduction in Engines Using NiCo2O4 Nanoparticles without External	2022	Journal of Nanomaterials	10.1155/2022/8981350	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85138883663&doi=1
46	Dhanabalakrishnan K.P., Mathan Kumar N., Mothilal T., Yatika G., Mohammed Ali	Influence of nano titanium oxide reinforced Al-7075 matrix composites in stir casting method	2022	Materials Today: Proceedings	10.1016/j.matpr.2022.09.202	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85138549820&doi=1
47	Rathan Kumar L., Madhu S., Mothilal T., Pratap Singh D., Mohammed Ali H., Raj Kamal	Effect of walnut powder reinforcement on the mechanical properties of biodegradable natural flax/hemp	2022	Materials Today: Proceedings	10.1016/j.matpr.2022.09.203	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85138532665&doi=1
48	Raaj E.P., Bhuvaneshwari K., Lakshmipathy R., Devi V.V., Rico I.L.R.	Garlic Peel Surface Modification and Fixed-Bed Column Investigations towards Crystal Violet Dye	2022	Adsorption Science and Technology	10.1155/2022/6904842	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137708835&doi=1
49	Ravindran S., Reeta Carolin L., Gopal V., Ramesh K., Ravi G., Sathya S.	Influence of nano-TiC content on the properties of Al2024 aluminium metal matrix composites	2022	Materials Today: Proceedings	10.1016/j.matpr.2022.07.371	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85136773921&doi=1
50	Leonid T.T., Jayaparvathy R.	Retraction Note to: Statistical-model based voice activity identification for human-elephant conflict mitigation	2022	Journal of Ambient Intelligence and Humanized Computing	10.1007/s12652-022-04168-2	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135277487&doi=1
51	Dhanalakshmi R., Rashid J., Kim J., Sivaraman A.K., Naseem U., Vincent R.	A New Method for Centrality Measurement Using Generalized Fuzzy Graphs	2022	Discrete Dynamics in Nature and Society	10.1155/2022/4704409	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85134530860&doi=1
52	M V.K., Ar V.	Process factors optimisation for friction stir process of ZK 60 magnesium alloy employing Box Behnken approach	2022	Advances in Materials and Processing Technologies	10.1080/2374068X.2022.2094594	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85133455681&doi=1
53	Illuri B., Jose D.	Retraction Note to: Design and implementation of hybrid integration of cognitive learning and chaotic	2022	Journal of Ambient Intelligence and Humanized Computing	10.1007/s12652-022-04236-7	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85133198045&doi=1
54	Sarathbabu R.T., Reddy M.L., Kannan M., Balaji R.	Thermodynamic Investigation of a Modified Compression Ignition Engine Fueled by Diesel-Biodiesel-Ethanol	2022	Defence Science Journal	10.14429/dsj.72.17383	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85131863082&doi=1
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56	Arockiaraj M., Jency J., Abraham J., Ruth Julie Kavitha S., Balasubramanian	Two-dimensional coronene fractal structures: topological entropy measures, energetics, NMR and ESR spectroscopic	2022	Molecular Physics	10.1080/00268976.2022.2079568	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85131056960&doi=1
57	Tamizhselvi S.P., Vijayalakshmi M.	Dynamic bandwidth estimation and congestion avoidance based on network traffic in mobile cloud	2022	International Journal of Sensor Networks	10.1504/IJSNET.2022.122978	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85130728541&doi=1
58	Gobivel K., Vijay Sekar K.S.	MACHINABILITY STUDIES ON THE TURNING OF MAGNESIUM METAL MATRIX COMPOSITES	2022	Archives of Metallurgy and Materials	10.24425/amm.2022.139686	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85130490423&doi=1

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60	Vijay Sekar K.S., Gobivel K., Goutham G.R., Elangovan P.P., Babu N.N.	Cutting forces and tool wear studies on machining of Hastelloy X	2022	Materials Today: Proceedings	10.1016/j.matpr.2022.04.049	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85128890800&doi=1
61	Gobivel K., Vijay Sekar K.S.	Investigation on the effect of TiN and Al ₂ O ₃ coated tools in the Machining of Ti-6Al-4 V alloy	2022	Materials Today: Proceedings	10.1016/j.matpr.2022.04.071	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85128875706&doi=1
62	Rekha V B., Prakash C., T R.	Fabricating a Sanitary Napkin Performance Tester	2022	Journal of Natural Fibers	10.1080/15440478.2022.2047132	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85126792920&doi=1
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66	Loganathan G., Kannan M.	Optimized Production of Biodiesel Using Internet of Things Sensed Temperature with Hybrid Particle Swarm Optimization	2022	Journal of Chemistry	10.1155/2022/3793739	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85123993529&doi=1
67	Dhanalakshmi R., Kavisankar L., Balasubramani S.	A Novel Technique using IoT Based Automated Irrigation System for Smart Farming	2022	Journal of Applied Science and Engineering (Taiwan)	10.6180/jase.202208_25(4).0009	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85122751757&doi=1
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70	Santra S., Joby M., Sathishkumar M., Anthoni S.M.	LMI approach-based sampled-data control for uncertain systems with actuator saturation: application to	2022	Nonlinear Dynamics	10.1007/s11071-021-06995-y	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118594684&doi=1
71	Wankhede J., Sambandam P., Kumar M.	Effective prediction of heart disease using hybrid ensemble deep learning and tunicate swarm algorithm	2022	Journal of Biomolecular Structure and Dynamics	10.1080/07391102.2021.1987328	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117195326&doi=1
72	Kothandaraman D., Balasundaram A., Dhanalakshmi R., Sivaraman	Energy and bandwidth based link stability routing algorithm for IoT	2022	Computers, Materials and Continua	10.32604/cmc.2022.020744	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85116026521&doi=1
73	BhanuRekha V., Prakash C., Gowri K.	Characterization of Pulp Extracted from Agro-waste Fibers Using Steam Explosion Technique	2022	Journal of Natural Fibers	10.1080/15440478.2021.1961342	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85113989432&doi=1

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75	Gunasekar P, Manigandan S., Vijayaraja K., Anderson A., Venkatesh S., Vimal R.,	Numerical analysis of an automatic deployment to enhance the downforce of the vehicle	2022	International Journal of Ambient Energy	10.1080/01430750.2019.1670729	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074491024&doi=1
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