VIT-AP UNIVERSITY

Office of the Academic Research

The publications in the years 2020

SNO	Authors	Title	Source title	School	Month	Authors	Emp ID	Cited by	Document Type
1	Vattappalam S.C.; Thomas D.; Ponnamma D.; Sadasivuni K.K.; Pasha S.K.K.; Deshmukh K.	Enhanced LPG Sensitivity for Electron Beam Irradiated Al-ZnO Nanoparticles	Macromolecular Symposia	SAS	August	Dr. Khadheer Pasha Sk	70012	4	Article
2	Praveen Kumar J.; Dominic S.	Rosette plant segmentation with leaf count using orthogonal transform and deep convolutional neural network	Machine Vision and Applications	SENSE	February	Dr. Praveen Kumar	70181	36	Article
3	Pandi S.; Ch P.R.	PMCAR: proactive mobility and congestion aware route prediction mechanism in IoMT for delay sensitive medical applications to ensure reliability in COVID-19 pandemic situation	International Journal of Pervasive Computing and Communications	SCOPE	August	Dr. Ch Pradeep Reddy	70008	2	Article
4	Reddy P.L.; Deshmukh K.; Kovářík T.; Nambiraj N.A.; Shaik K.P.	Green chemistry mediated synthesis of cadmium sulphide/polyvinyl alcohol nanocomposites: Assessment of microstructural, thermal, and dielectric properties	Polymer Composites	SAS	May	Dr. Khadheer Pasha Sk	70012	34	Article

5	Basha S.M.; Nagaraju D.	A non-linear chaotic based pso feature selection approach for high dimensional data classification	International Journal of Scientific and Technology Research	SCOPE	June	Dr. Nagaraju Devarakonda	70104	0	Article
6	Wang T.; Jing L.-C.; Zhu Q.; Sagadevan Ethiraj A.; Tian Y.; Zhao H.; Yuan X.-T.; Wen J.-G.; Li L.-K.; Geng H.-Z.	Fabrication of architectural structured polydopamine-functionalized reduced graphene oxide/carbon nanotube/PEDOT:PSS nanocomposites as flexible transparent electrodes for OLEDs	Applied Surface Science	SAS	January	Dr. Anita Sagadevan Ethiraj	70091	72	Article
7	Barik N.B.; Sekhar T.V.S.	Mesh-free multilevel iterative algorithm for Navier–Stokes equations	Numerical Heat Transfer, Part B: Fundamentals	SAS	February	Barik, Nikunja Bihari	70428	7	Article
8	Panda D.K.; Singh R.; Lenka T.R.; Pham T.T.; Velpula R.T.; Jain B.; Thang Bui H.Q.; Trung Nguyen H.P.	Single and double-gate based AlGaN/GaN MOS-HEMTs for the design of low-noise amplifiers: a comparative study	IET Circuits, Devices and Systems	SENSE	October	Dr. Deepak Kumar Panda	70074	25	Article
9	Vijayakumar G.; Maruthadurai A.; Paramasivam R.; Tamilavan V.	Investigation on Electrochemical Performance of New Flexible Nanocomposite Poly(Vinylidene Fluoride-co-Hexafluoropropylene) Polymer Electrolytes	International Journal of Polymer Science	SAS	March	Dr. Paramasivam R	70106	6	Article
10	Sandeep Rao K.; Siva Praneeth V.N.; Pavan Kumar Y.V.; John Pradeep D.	Investigation on various training algorithms for robust ANN-PID controller design	International Journal of Scientific and Technology Research	SENSE	February	Dr. Y V Pavan Kumar	70049	6	Article

11	Polinati S.; Dhuli R.	Multimodal medical image fusion using empirical wavelet decomposition and local energy maxima	Optik	SENSE	September	Dr. Ravindra Dhuli	70053	77	Article
12	Rahul J.; Sora M.; Sharma L.D.	Exploratory data analysis based efficient QRS-complex detection technique with minimal computational load	Physical and Engineering Sciences in Medicine	SENSE	March	Dr. Lakhan Dev Sharma	70178	23	Article
13	Karthikeyan S.; Seetha H.; Manimegalai R.	Efficient dynamic resource allocation in hadoop multiclusters for load-balancing problem	Recent Advances in Computer Science and Communications	SCOPE	January	Dr. Karthikeyan S	70035	1	Article
14	Vineesh K.P.; Vakkalagadda M.R.K.; Dev M.; Rao B.K.; Racherla V.	Effect of periodic wheel tread reprofiling on wheel gauge evolution in the wheelsets of tread-braked coaches: Finite element modeling and field observations	Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit	SMEC	July	Dr. Manikanta Ravindra Kumar Vakkalagadda	70092	10	Article
15	Lohar G.; Tambe P.; Jogi B.	Influence of dual compatibilizer and carbon black on mechanical and thermal properties of PP/ABS blends and their composites	Composite Interfaces	SMEC	February	Dr. Pankaj Balkrishna Tambe	70009	22	Article
16	De A.; Roy B.; Bhattacharjee A.K.	Novel, compact, circular-sectored antenna for Ultra-Wideband (UWB) communications	Electromagnetics	SENSE	April	Bappadittya Roy	70163	11	Article

17	Kumar A.; Londhe S.; Dandekar T.; Kamath S.L.; Khatirkar R.K.	Effect of Cooling Rate on the Precipitation Behavior of a Fe–Cr–Ni Alloy	Transactions of the Indian Institute of Metals	SMEC	July	Kumar, Amit	No	8	Article
18	Polinati S.; Dhuli R.	Structural and functional medical image fusion using an adaptive Fourier analysis	Multimedia Tools and Applications	SENSE	September	Dr. Ravindra Dhuli	70053	3	Article
19	Rosaline S.; Johnson S.	Continued usage and dependency of smartphones	International Journal of Cyber Behavior, Psychology and Learning	VSB	March	Dr. Salini Rosaline Tharayil	70045	7	Article
20	Suganya P.; C.H. P.R.	LNR-PP: Leaf Node Count and RSSI Based Parent Prediction Scheme to Support QoS in Presence of Mobility in 6LoWPAN	Computer Communications	SCOPE	January	Dr. Ch Pradeep Reddy	70008	11	Article
21	Saha R.; Bhowmick B.; Baishya S.	Impact of lateral straggle on linearity performance in gate-modulated (GM) TFET	Applied Physics A: Materials Science and Processing	SENSE	March	Dr. Rajesh saha	No	18	Article
22	Kumar Y.R.; Deshmukh K.; Sadasivuni K.K.; Pasha S.K.K.	Graphene quantum dot based materials for sensing, bio-imaging and energy storage applications: a review	RSC Advances	SAS	June	Dr. Khadheer Pasha Sk	70012	312	Review

23	Kulkarni H.B.; Tambe P.B.; Joshi G.M.	Influence of surfactant assisted exfoliation of hexagonal boron nitride nanosheets on mechanical, thermal and dielectric properties of epoxy Nanocomposites	Composite Interfaces	SMEC	June	Dr. Pankaj Balkrishna Tambe	70009	39	Article
24	Sibi Chakkaravarthy S.; Sangeetha D.; Cruz M.V.; Vaidehi V.; Raman B.	Design of intrusion detection honeypot using social leopard algorithm to detect IoT ransomware attacks	IEEE Access	SCOPE	September	Dr. Sibi Chakkaravarthy S	70084	75	Article
25	Shewale A.; Mokhade A.; Funde N.; Bokde N.D.	An overview of demand response in smart grid and optimization techniques for efficient residential appliance scheduling problem	Energies	SCOPE	August	Dr. Nitesh Asaramji Funde	No	86	Review
26	Lepore C.; Ceria M.; Visconti A.; Rao U.P.; Shah K.A.; Zanolini L.	A survey on blockchain consensus with a performance comparison of pow, pos and pure pos	Mathematics	SENSE	October	Mr. Kaushal Arvindbhai Shah	No	139	Article
27	Ethiraj A.S.; Uttam P.; K V.; Chong K.F.; Ali G.A.M.	Photocatalytic performance of a novel semiconductor nanocatalyst: Copper doped nickel oxide for phenol degradation	Materials Chemistry and Physics	SAS	February	Dr. Anita Sagadevan Ethiraj	70091	94	Article
28	Seema B.; Yao N.; Carie A.; Shah S.B.H.	Efficient data transfer in clustered IoT network with cooperative member nodes	Multimedia Tools and Applications	SCOPE	December	Dr. Anil Carie	70168	18	Article

29	Ioni Y.V.; Ethiraj A.	Study of microparticles surface modification by electrokinetic potential measuring	International Journal of Pharmaceutical Research	SAS	October	Dr. Anita Sagadevan Ethiraj	70091	26	Article
30	Ioni Y.V.; Ethiraj A.	New tailor-made polymer stabilizers for aqueous dispersions of hydrophobic carbon nanoparticles	International Journal of Pharmaceutical Research	SAS	October	Dr. Anita Sagadevan Ethiraj	70091	26	Article
31	Muzaffar A.; Ahamed M.B.; Deshmukh K.; Pasha S.K.K.	Dielectric properties and electromagnetic interference shielding studies of nickel oxide and tungsten oxide reinforced polyvinylchloride nanocomposites	Polymer-Plastics Technology and Materials	SAS	October	Dr. Khadheer Pasha Sk	70012	52	Article
32	Saha R.; Bhowmick B.; Baishya S.	Impact of Mole Fractions due to Work Function Variability (WFV) of Metal Gate on Electrical Parameters in Strained SOI-FinFET	Silicon	SENSE	March	Dr. Rajesh saha	No	2	Article
33	Shareef S.M.; Mohanty D.K.	Experimental investigations of dairy scum biodiesel in a diesel engine with variable injection timing for performance, emission and combustion	Fuel	SMEC	November	Dr. Dilipkumar Mohanty	70016	46	Article
34	Ponnamma D.; Parangusan H.; Deshmukh K.; Kar P.; Muzaffar A.; Pasha S.K.K.; Ahamed M.B.; Al-Maadeed M.A.A.	Green synthesized materials for sensor, actuator, energy storage and energy generation: a review	Polymer-Plastics Technology and Materials	SAS	January	Dr. Khadheer Pasha Sk	70012	55	Article

35	Subba Reddy T.; Harikiran J.	Hyperspectral image classification using support vector machines	IAES International Journal of Artificial Intelligence	SCOPE	December	Dr. J Harikiran	70110	29	Article
36	Subana P.S.; Manjunatha C.; Manmadha Rao B.; Venkateswarlu B.; Nagaraju G.; Suresh R.	Surface functionalized magnetic α-Fe2O3 nanoparticles: Synthesis, characterization and Hg2+ ion removal in water	Surfaces and Interfaces	SAS	December	Manmadha Rao B.	70089	21	Article
37	Mishra L.N.; Pandey S.; Mishra V.N.	King type generalization of Baskakov operators based on (p,q) calculus with better approximation properties	Analysis (Germany)	SAS	November	Dr. Shikha Pandey	No	10	Article
38	Tan Z.-H.; Sarkar A.K.; Dehak N.	rVAD: An unsupervised segment-based robust voice activity detection method	Computer Speech and Language	SENSE	January	Dr. A.K. Sarkar	No	152	Article
39	Priakanth P.; Thangamani M.; Gopikrishnan S.	Adaptive cost-sensitive sparse representation truncated gradient online classification (Acssrtgc)	International Journal on Emerging Technologies	SCOPE	February	Dr. Gopikrishnan S	70107	0	Article
40	Cruz M.V.; Namburu A.; Sumathi D.; Raju Alluri B.K.S.P.K.; Satapathy S.C.; Chakkaravarthy S.S.	Analysis of covid-19 pandemic-origin, global impact and indian therapeutic solutions for infectious diseases	Indian Journal of Traditional Knowledge	SCOPE	December	Dr. D Sumathi	70122	0	Article

41	Nanda U.; Acharya D.P.; Nayak D.	Process Variation Tolerant Wide-band Fast PLL with Reduced Phase Noise using Adaptive Duty Cycle Control Strategy	International Journal of Electronics	SENSE	July	Dr. Umakanta Nanda	70055	8	Article
42	Ningthoujam S.; Chakraborty S.K.	A Combined Technique of SC + MPC + APC to Achieve Higher Error Correction Probability and Throughput Over APC and MPC Techniques in a Wireless Network	Journal of The Institution of Engineers (India): Series B	SCOPE	June	Dr. Sanjit Ningthoujam	70147	3	Article
43	Prasad A.; Kumar T.; Kumar A.	Convolution for a pair of quadratic-phase Hankel transforms	Revista de la Real Academia de Ciencias Exactas, Fisicas y Naturales - Serie A: Matematicas	SAS	July	Dr. Tanuj Kumar	70131	9	Article
44	N C S.; Ch P.R.	Prediction of user interest fluctuation using fuzzy neural networks in web search	International Journal of Intelligent Unmanned Systems	SCOPE	November	Pradeep Reddy Ch	70008	2	Article
45	Siva Sesha Reddy A.; Lakshminarayana G.; Purnachand N.; Ravi Kumar V.; Venkatramaiah N.; Ravi Kumar V.; Veeraiah N.	Influence of gold ions on visible and NIR luminescence features of Er3+ ions in lead boroselenate glass ceramics	Journal of Luminescence	SENSE	October	Dr. Purnachand Nalluri	70027	17	Article
46	Sekhar A.V.; Pavić L.; Moguš-Milanković A.; Purnachand N.; Reddy A.S.S.; Raju G.N.; Veeraiah N.	Dielectric characteristics, dipolar relaxation dynamics and ac conductivity of CuO added lithium sulpho-phosphate glass system	Journal of Non-Crystalline Solids	SENSE	September	Dr. Purnachand Nalluri	70027	33	Article

47	Athanesious J.; Srinivasan V.; Vijayakumar V.; Christobel S.; Sethuraman S.C.	Detecting abnormal events in traffic video surveillance using superorientation optical flow feature	IET Image Processing	SCOPE	July	Dr. Sibi Chakkaravarthy S	70084	27	Article
48	Singh R.; Lenka T.R.; Panda D.K.; Velpula R.T.; Jain B.; Bui H.Q.T.; Nguyen H.P.T.	The dawn of Ga2O3 HEMTs for high power electronics - A review	Materials Science in Semiconductor Processing	SENSE	November	Dr. Deepak Kumar Panda	70074	174	Review
49	Bandyopadhyay A.; Singh V.K.; Mukhopadhyay S.; Rai U.; Xhafa F.; Krause P.	Matching iot devices to the fog service providers: A mechanism design perspective	Sensors (Switzerland)	SCOPE	November	Dr. Vikash Kumar Singh	70202	9	Article
50	Nayak D.; Rout P.K.; Sahu S.; Acharya D.P.; Nanda U.; Tripthy D.	A novel indirect read technique based SRAM with ability to charge recycle and differential read for low power consumption, high stability and performance	Microelectronics Journal	SENSE	March	Dr. Umakanta Nanda	70055	16	Article
51	Kumar C.K.; Srinivas S.; Subramanyam Reddy A.	MHD Pulsating Flow of Casson Nanofluid in a Vertical Porous Space with Thermal Radiation and Joule Heating	Journal of Mechanics	SAS	August	Dr. S Srinivas	70004	52	Article
52	Reddy K.M.; Saravana Kumar G.; Chand A.K.B.	FAMILY of SHAPE PRESERVING FRACTAL-LIKE BÉZIER CURVES	Fractals	SAS	September	Reddy K.M	70097	11	Article

53	Cruz M.V.; Namburu A.; Chakkaravarthy S.; Pittendreigh M.; Satapathy S.C.	Skin cancer classification using convolutional capsule network (CapsNet)	Journal of Scientific and Industrial Research	SCOPE	November	Dr. Anupama Namburu	70067	27	Article
54	Bhattacharya A.; De A.; Roy B.; Bhattacharjee A.K.	Investigations on a low-profile, filter backed, printed monopole antenna for UWB communication	Indian Journal of Pure and Applied Physics	SENSE	August	Dr. Bappadittya Roy	70163	14	Article
55	Ganesh Reddy K.; Santhi Thilagam P.	Naïve bayes classifier to mitigate the DDoS attacks severity in Ad-Hoc networks	International Journal of Communication Networks and Information Security	SCOPE	February	Ganesh Reddy K	70140	32	Article
56	Sethuraman S.C.; Vijayakumar V.; Walczak S.	Cyber Attacks on Healthcare Devices Using Unmanned Aerial Vehicles	Journal of Medical Systems	SCOPE	January	Dr. Sibi Chakkaravarthy S	70084	77	Article
57	Batchanaboyina M.R.; Devarakonda N.	Efficient outlier detection for high dimensional data using improved monarch butterfly optimization and mutual nearest neighbors algorithm: IMBO-MNN	International Journal of Intelligent Engineering and Systems	SCOPE	January	Dr. Nagaraju Devarakonda	70104	6	Article
58	Maram B.; Padmapriya G.; Satish A.R.	A framework for performance analysis on machine learning algorithms using covid-19 dataset	Advances in Mathematics: Scientific Journal	SCOPE	March	Dr. Aravapalli Rama Satish	70103	6	Article

59	Pandurangarao K.; Purnachand N.; Ravi Kumar V.	Studies on magnetron sputtered deposited nanocrystalline tungsten oxide films useful for electrochromic devices	Optical Materials	SENSE	March	Dr. Purnachand Nalluri	70027	21	Article
60	Deshmukh K.; Pasha S.K.K.	Room temperature ammonia sensing based on graphene oxide integrated flexible polyvinylidenefluoride/cerium oxide nanocomposite films	Polymer-Plastics Technology and Materials	SAS	September	Dr. Khadheer Pasha Sk	70012	36	Article
61	Adhikari A.; Dutta B.; Dutta A.; Mondal D.	Semantic similarity measurement: An intrinsic information content model	International Journal of Metadata, Semantics and Ontologies	SCOPE	February	Dr. Abhijit Adhikari	70136	2	Article
62	Mishra M.K.; Seth G.S.; Sharma R.	Scrutiny of heat transfer and nanoparticle migration within a channel filled with nanofluid	Heat Transfer	SAS	July	Dr. Manoj Kumar Mishra	70064	11	Article
63	Yadav P.K.; Sharma B.D.; Filippov A.N.	Oscillatory Viscoelastic Model of Blood Flow in Stenotic Artery	Colloid Journal	SAS	September	Dr. Bhupesh Dutt Sharma	70068	12	Article
64	Prajapati A.K.; Rayudu V.G.D.; Sikander A.; Prasad R.	A New Technique for the Reduced-Order Modelling of Linear Dynamic Systems and Design of Controller	Circuits, Systems, and Signal Processing	SENSE	October	Dr. Arvind Kumar Prajapati	70157	39	Article

65	Kumar B.; Srinivas S.	Unsteady hydromagnetic flow of eyring-powell nanofluid over an inclined permeable stretching sheet with Joule Heating and thermal radiation	Journal of Applied and Computational Mechanics	SAS	July	Dr. S Srinivas	70004	57	Article
66	Mohanapriya M.K.; Deshmukh K.; Kadlec J.; Sadasivuni K.K.; Faisal M.; Nambi Raj N.A.; Pasha S.K.K.	Dynamic mechanical analysis and broadband electromagnetic interference shielding characteristics of poly (vinyl alcohol)-poly (4-styrenesulfonic acid)-titanium dioxide nanoparticles based tertiary nanocomposites	Polymer-Plastics Technology and Materials	SAS	May	Dr. Khadheer Pasha Sk	70012	43	Article
67	Wang T.; Jing L.-C.; Zhu Q.; Sagadevan Ethiraj A.; Fan X.; Liu H.; Tian Y.; Zhu Z.; Meng Z.; Geng H.-Z.	Tannic acid modified graphene/CNT three-dimensional conductive network for preparing high-performance transparent flexible heaters	Journal of Colloid and Interface Science	SAS	October	Dr. Anita Sagadevan Ethiraj	70091	85	Article
68	Kondaveeti H.K.; Raman S.; Raj P.	Prototyping with raspberry pi in healthcare domain a bibliometric analysis	International Journal of Advanced Computer Science and Applications	SCOPE	October	Dr. Hari Kishan Kondaveeti	70071	9	Article
69	Reddy P.L.; Deshmukh K.; Kovářík T.; Reiger D.; Nambiraj N.A.; Lakshmipathy R.; Khadheer Pasha S.K.	Enhanced dielectric properties of green synthesized Nickel Sulphide (NiS) nanoparticles integrated polyvinylalcohol nanocomposites	Materials Research Express	SAS	June	Dr. Khadheer Pasha Sk	70012	65	Article
70	Krishnan K.; Karuthapandi S.; Vijayaraghavan S.	Ionic transport kinetics and enhanced energy storage in the electrode/poly(: N -vinyl imidazole) interface for micro-supercapacitors	RSC Advances	SAS	December	Dr. Selvakumar Karuthapandi	70119	7	Article

71	Deshmukh K.; Kovářík T.; Khadheer Pasha S.K.	State of the art recent progress in two dimensional MXenes based gas sensors and biosensors: A comprehensive review	Coordination Chemistry Reviews	SAS	December	Dr. Khadheer Pasha Sk	70012	277	Review