

Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Document Type	Source
De, K., Masilamani, V.	No-reference image contrast measure using image statistics and random forest	2017	Multimedia Tools and Applications	76	18	18641	18656	Journal Article	Scopus
Barik, R.K., Karthikeyan, S.S.	A novel quad-band impedance transformer with ultra-high transforming ratio	2017	AEU - International Journal of Electronics and Communications	78		157	161	Journal Article	Scopus
Barik, R.K., Karthikeyan, S.S.	A novel design of ultra-high impedance transforming ratio quad-band matching network	2017	Microwave and Optical Technology Letters	59	8	2021	2026	Journal Article	Scopus
Kumar, M.K., Kokil, P., Kar, H.	A New Realizability Condition for Fixed-Point State-Space Interfered Digital Filters Using Any Combination of Overflow and Quantization Nonlinearities	2017	Circuits, Systems, and Signal Processing	36	8	3289	3302	Journal Article	Scopus
Murugesan, S., Sk, N.M.	Novel range matching architecture for packet classification without rule expansion	2017	ACM Transactions on Design Automation of Electronic Systems	23	1			Journal Article	Scopus
Rani, P., Kokil, P., Kar, H.	∞ - 2 Suppression of Limit Cycles in Interfered Digital Filters with Generalized Overflow Nonlinearities	2017	Circuits, Systems, and Signal Processing	36	7	2727	2741	Journal Article	Scopus
Ramachandran, K., Kumar, N., Kim, D.	Miniaturized MMZI concatenated FLM for gain equalization of ASE response of an EDFA	2017	Optical Fiber Technology	36		195	198	Journal Article	Scopus
Kumar, P., Narayanan, S., Gupta, S.	Bifurcation analysis of a stochastically excited vibro-impact Duffing-Van der Pol oscillator with bilateral rigid barriers	2017	International Journal of Mechanical Sciences	127		103	117	Journal Article	Scopus

Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Document Type	Source
Kokil, P.	An Improved Criterion for the Global Asymptotic Stability of 2-D Discrete State-Delayed Systems with Saturation Nonlinearities	2017	Circuits, Systems, and Signal Processing	36	6	2209	2222	Journal Article	Scopus
Deepakkumar, R., Jayavel, S., Tiwari, S.	A comparative study on effect of plain and wavy-wall confinement on wake characteristics of flow past circular cylinder	2017	Sadhana - Academy Proceedings in Engineering Sciences	42	6	963	980	Journal Article	Scopus
Kumar, K.V.P., Karthikeyan, S.S.	Highly compact wideband double-section rat-race hybrid with harmonic suppression using series and shunt stepped impedance transmission lines	2017	International Journal of Microwave and Wireless Technologies	9	4	797	803	Journal Article	Scopus
Barik, R.K., Phani Kumar, K.V., Karthikeyan, S.S.	Design of a dual-band microstrip branch-line balun using T-shaped coupled lines	2017	Microwave and Optical Technology Letters	59	5	1197	1202	Journal Article	Scopus
Xavier Arockiaraj, S., Kokil, P., Kar, H.	Passivity based stability condition for interefered digital filters	2017	Indonesian Journal of Electrical Engineering and Computer Science	6	2	431	437	Journal Article	Scopus
Krishna, I.S., Barik, R.K., Karthikeyan, S.S., Kokil, P.	A miniaturized harmonic suppressed 3 dB branch line coupler using H-shaped microstrip line	2017	Microwave and Optical Technology Letters	59	4	913	918	Journal Article	Scopus
Xavier Arockiaraj, S., Kokil, P.	New Criteria for output strict and input strict passivity for interfered digital filters for biomedical applications	2017	Journal of Medical Imaging and Health Informatics	7	2	492	496	Journal Article	Scopus

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Chandu, D.S., Karthikeyan, S.S.	A novel broadband dual circularly polarized microstrip-fed monopole antenna	2017	IEEE Transactions on Antennas and Propagation	65	3	1410	1415	Journal Article	Scopus
Kokil, P., Shinde, S.S.	A Note on the Induced ∞ Stability of Fixed-Point Digital Filters Without Overflow Oscillations and Instability Due to Finite Wordlength Effects	2017	Circuits, Systems, and Signal Processing	36	3	1288	1300	Journal Article	Scopus
Senthil kumar, R., Jayavel, S.	Influence of flow shedding frequency on convection heat transfer from bank of circular tubes in heat exchangers under cross flow	2017	International Journal of Heat and Mass Transfer	105		376	393	Journal Article	Scopus
Balasundaram, M., Muthuswamy, S.	Implementation of role assignment and fault tree analysis for multi robot interaction	2017	International Journal of Robotics and Automation	32	3	214	223	Journal Article	Scopus
Deepakkumar, R., Jayavel, S.	Air side performance of finned-tube heat exchanger with combination of circular and elliptical tubes	2017	Applied Thermal Engineering	119		360	372	Journal Article	Scopus
Balasundaram, M., Muthuswamy, S.	Systematic approach for role assignment in mobile robots using leader-follower approach: Experimental observations	2017	International Journal of Robotics and Automation	32	3	224	233	Journal Article	Scopus
Deepakkumar, R., Jayavel, S., Tiwari, S.	Cross flow past circular cylinder with waviness in confining walls near the cylinder	2017	Journal of Applied Fluid Mechanics	10	1	183	197	Journal Article	Scopus

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Gurunathan, C., Gnanamoorthy, R., Jayavel, S.	Effect of reinforcement forms in selectively reinforced polymer composite: temperature distribution under sliding contact condition	2016	International Journal of Plastics Technology	20	2	265	278	Journal Article	Scopus
Phani Kumar, K.V., Karthikeyan, S.S.	Miniaturised quadrature hybrid coupler using modified T-shaped transmission line for wide-range harmonic suppression	2016	IET Microwaves, Antennas and Propagation	10	14	1522	1527	Journal Article	Scopus
Asan Basiri M., M., Mahammad Sk, N.	An efficient VLSI architecture for lifting based 1D/2D discrete wavelet transform	2016	Microprocessors and Microsystems	47		404	418	Journal Article	Scopus
Kokil, P., Xavier Arockiaraj, S.	An improved criterion for induced ∞ stability of fixed-point digital filters with saturation arithmetic	2016	Indonesian Journal of Electrical Engineering and Computer Science	4	1	65	72	Journal Article	Scopus
Barik, R.K., Kumar, K.V.P., Karthikeyan, S.S.	Design of a Quad-Band Branch Line Balun Using Extended Pi-Shaped Coupled Lines	2016	IEEE Microwave and Wireless Components Letters	26	10	771	773	Journal Article	Scopus
Shalu, M.A., Devi Yamini, S.	Tent and a subclass of P_5 -free graphs	2016	Electronic Notes in Discrete Mathematics	53		73	82	Journal Article	Scopus
Dhanalakshmi S, Sadagopan N, Manogna V	Tri-connectivity Augmentation in Trees	2016	Electronic Notes in Discrete Mathematics	53		57	72	Journal Article	Scopus
Asan Basiri M, M., Mahammad Sk, N.	Multi-mode parallel and folded VLSI architectures for 1D-fast Fourier transform	2016	Integration, the VLSI Journal	55		43	56	Journal Article	Scopus
Shalu, M.A., Sandhya, T.P.	Star Coloring of Graphs with Girth at Least Five	2016	Graphs and Combinatorics	32	5	2121	2134	Journal Article	Scopus

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Shin, S.-J., Woo, J., Kim, D.B., Kumaraguru, S., Rachuri, S.	Developing a virtual machining model to generate MTConnect machine-monitoring data from STEP-NC	2016	International Journal of Production Research	54	15	4487	4505	Journal Article	Scopus
Barik, R.K., Phani Kumar, K.V., Karthikeyan, S.S.	A compact wideband harmonic suppressed 10 dB branch line coupler using cascaded symmetric PI sections	2016	Microwave and Optical Technology Letters	58	7	1610	1613	Journal Article	Scopus
Kumar, P., Narayanan, S., Gupta, S.	Stochastic bifurcations in a vibro-impact Duffing–Van der Pol oscillator	2016	Nonlinear Dynamics	85	1	439	452	Journal Article	Scopus
Shalu, M.A., Devi Yamini, S.	A Generalization of Join and an Algorithmic Recognition Problem	2016	Fundamenta Informaticae	145	1	81	91	Journal Article	Scopus
Mohamed Asan Basiri, M., Mahammad Sk, N.	High speed multiplexer design using tree based decomposition algorithm	2016	Microelectronics Journal	51		99	111	Journal Article	Scopus
Phani Kumar, K.V., Barik, R.K., Karthikeyan, S.S.	A novel two section branch line coupler employing different transmission line techniques	2016	AEU - International Journal of Electronics and Communications	70	5	738	742	Journal Article	Scopus
Arun, K., Selvajothi, K.	Variable sampling composite observer based frequency locked loop and its application in grid connected system	2016	Advances in Electrical and Computer Engineering	16	2	33	42	Journal Article	Scopus
Swaminathan, R., Roy, R., Selvaraj, M.D.	Performance Comparison of Selection Combining With Full CSI and Switch-and-Examine Combining With and Without Post-Selection	2016	IEEE Transactions on Vehicular Technology	65	5	3217	3230	Journal Article	Scopus

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Koh, K.H., Sreekumar, M., Ponnambalam, S.G.	Hybrid electrostatic and elastomer adhesion mechanism for wall climbing robot	2016	Mechatronics	35		122	135	Journal Article	Scopus
Arun, K., Selvajothi, K.	Single phase variable sampling phase locked loop using composite observer	2016	Indonesian Journal of Electrical Engineering and Computer Science	2	1	49	60	Journal Article	Scopus
Diksha, Kokil, P., Kar, H.	Criterion for the limit cycle free state-space digital filters with external disturbances and quantization/overflow nonlinearities	2016	Engineering Computations (Swansea, Wales)	33	1	64	73	Journal Article	Scopus
Maheswaran, P., Selvaraj, M.D.	Performance Analysis of Feedback-Based Dynamic SSK-BPSK System	2016	IEEE Wireless Communications Letters	5	1	96	99	Journal Article	Scopus
Shalu, M.A., Devi Yamini, S.	Counting the maximal independent sets in power set graphs	2016	Journal of Combinatorial Mathematics and Combinatorial Computing	96		283	291	Journal Article	Scopus
Srinivasan, S., Sharma, A.K., Khan, S.H.	Modelling and optimization of defective goods supply chain network with heuristics	2016	International Journal of Operations and Quantitative Management	22	2	177	187	Journal Article	Scopus
De, K., Masilamani, V.	Discrete orthogonal moments based framework for assessing blurriness of camera captured document images	2016	Smart Innovation, Systems and Technologies	49		227	236	Journal Article	Scopus
Arun, K., Selvajothi, K.	Cascaded delayed signal cancellation based variable sampling SRF PLL	2016	Mediterranean Journal of Measurement and Control	12	1	511	520	Journal Article	Scopus

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Rajesh, N.H., Sreekumar, M.	Design and simulation of a novel hybrid leaf spring with embedded cylindrical structures	2016	International Journal of Heavy Vehicle Systems	23	2	131	154	Journal Article	Scopus
Shaik, A., Masilamani, V.	Secure video watermarking technique using cohen-daubechies-feauveau wavelet and gollman cascade filtered feedback carry shift register (F-FCSR)	2016	Smart Innovation, Systems and Technologies	49		111	118	Journal Article	Scopus
Narendran, G., Ramachandran, K., Kumar, N.	An inline sensing of coolant temperature inside a micro-channel for applications in ultra dense packed high power electronics	2016	Optik	127	2	871	875	Journal Article	Scopus
Kokil, P., Shinde, S.S.	Asymptotic Stability of Fixed-Point State-Space Digital Filters with Saturation Arithmetic and External Disturbance: An IOSS Approach	2015	Circuits, Systems, and Signal Processing	34	12	3965	3977	Journal Article	Scopus
Jain, S., Sadagopan, N.	Simpler Sequential and Parallel Biconnectivity Augmentation in Trees	2015	Parallel Processing Letters	25	4			Journal Article	Scopus
Phani Kumar, K.V., Karthikeyan, S.S.	Wideband three section branch line coupler using triple open complementary split ring resonator and open stubs	2015	AEU - International Journal of Electronics and Communications	69	10	1412	1416	Journal Article	Scopus
Maheswaran, P., Selvaraj, M.D.	Time Successive SSK-MPSK: A System Model to Achieve Transmit Diversity	2015	IEEE Communications Letters	19	9	1496	1499	Journal Article	Scopus
Balachander, P., Raja, B.	Investigation on the boiling heat transfer characteristics of R404A and R134a under stratified flow condition	2015	Heat and Mass Transfer/Waerme- und Stoffuebertragung	51	6	825	835	Journal Article	Scopus

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K., R., Kumar, N., Sahoo, V.	A highly accurate All-Fiber MMZI current sensor	2015	IEEE Sensors Journal	15	2	1270	1274	Journal Article	Scopus
Pandithevan, P.	Reverse engineering of complex biological body parts by squared distance enabled non-uniform rational B-spline technique and layered manufacturing	2015	Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine	229	2	150	163	Journal Article	Scopus
Kokil, P., Shinde, S.S.	An improved criterion for peak-to-peak realization of direct-form interfered digital filters employing saturation nonlinearities	2015	COMPEL - The International Journal for Computation and Mathematics in Electrical and Electronic Engineering	34	3	996	1000	Journal Article	Scopus
Ayesha, S.K., Masilamani, V.	An imperceptible digital imagewatermarking technique by compressed watermark using PCA	2015	Advances in Intelligent Systems and Computing	320		287	295	Journal Article	Scopus
Jaiswal, S., Muthuswamy, S.	Instability Analysis of Mosquito Fascicle under Compressive Load with Vibrations and Microneedle Design	2015	Journal of Bionic Engineering	12	3	443	452	Journal Article	Scopus
Mohamed Asan Basiri, M., Noor Mahammad, S.K.	Memory based multiplier design in custom and FPGA implementation	2015	Advances in Intelligent Systems and Computing	320		253	265	Journal Article	Scopus
Linus, R.M., Damodharan, P.	Wind Velocity Sensorless Maximum Power Point Tracking Algorithm in Grid-connected Wind Energy Conversion System	2015	Electric Power Components and Systems	43	15	1761	1770	Journal Article	Scopus

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Eswarawaka, R., Mahammad, S.K.N., Reddy, B.E.	Genetic annealing with efficient strategies to improve the performance for the NP-hard and routing problems	2015	Journal of Experimental and Theoretical Artificial Intelligence	27	6	779	788	Journal Article	Scopus
Narayanaswamy, N.S., Sadagopan, N.	Connected (s; t)-vertex separator parameterized by chordality	2015	Journal of Graph Algorithms and Applications	19	1	549	565	Journal Article	Scopus
Kaliappan, J., Menzel, A.	Modelling of non-linear switching effects in piezoceramics: A three-dimensional polygonal finite-element-based approach applied to oligo-crystals	2015	Journal of Intelligent Material Systems and Structures	26	17	2322	2327	Journal Article	Scopus
Swaminathan, R., Selvaraj, M.D., Roy, R.	Exact error analysis of MPAM signaling for a cooperative diversity system with correlated links using paired error approach	2014	IEEE Communications Letters	18	2	273	276	Journal Article	Scopus
Karthik, R., Harish Nagarajan, R., Praveen, K.S., Raja, B.	Experimental investigation on thermal conductivity enhancement of copper (II) oxide-DI water nanofluids	2014	Journal of Engineering Thermophysics	23	4	341	349	Journal Article	Scopus
Kumar, N., Ramachandran, K.	Dynamic spectral maneuvering by fiber Sagnac loop filter	2014	Optics and Laser Technology	63		144	147	Journal Article	Scopus
Mohamed Asan Basiri, M., Noor Mahammad, S.K.	An efficient hardware-based higher radix floating point MAC design	2014	ACM Transactions on Design Automation of Electronic Systems	20	1			Journal Article	Scopus

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Gurunathan, C., Gnanamoorthy, R., Jayavel, S.	Prediction of frictional heating and temperature distribution in selective ceramic-reinforced polymer composite	2014	Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology	228	12	1433	1442	Journal Article	Scopus
Koh, K.H., Sreekumar, M., Ponnambalam, S.G.	Experimental investigation of the effect of the driving voltage of an electroadhesion actuator	2014	Materials	7	7	4963	4981	Journal Article	Scopus
Krithika, R., Mathew, R., Narayanaswamy, N.S., Sadagopan, N.	A Dirac-type characterization of k-chordal graphs	2013	Discrete Mathematics	313	24	2865	2867	Journal Article	Scopus
Kumar, N., Ramachandran, K.	Mach-Zehnder interferometer concatenated fiber loop mirror based gain equalization filter for an EDFA	2013	Optics Communications	289		92	96	Journal Article	Scopus
Anders, M.R., Shlomo, S., Sil, T., Youngblood, D.H., Lui, Y.-W., Krishichayan	Giant resonances in ^{40}Ca and ^{48}Ca	2013	Physical Review C - Nuclear Physics	87	2			Journal Article	Scopus
Komini Babu, S., Praveen, K.S., Raja, B., Damodharan, P.	Measurement of thermal conductivity of fluid using single and dual wire transient techniques	2013	Measurement: Journal of the International Measurement Confederation	46	8	2746	2752	Journal Article	Scopus
Bera, P.K., Sil, T.	Exact solutions of Feinberg-Horodecki equation for time-dependent anharmonic oscillator	2013	Pramana - Journal of Physics	80	1	31	39	Journal Article	Scopus

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Charles, D.F., Gnanamoorthy, R., Parag, R.	The effect of nanoclay reinforcement on the rolling contact fatigue behaviour of polyamide	2013	Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology	227	1	84	95	Journal Article	Scopus
Bera, P.K., Sil, T.	Homotopy perturbation method in quantum mechanical problems	2012	Applied Mathematics and Computation	219	6	3272	3278	Journal Article	Scopus
Prakash, N.A., Gnanamoorthy, R., Kamaraj, M.	Surface nanocrystallization of aluminium alloy by controlled ball impact technique	2012	Surface and Coatings Technology	210		78	89	Journal Article	Scopus
Kumar, N., Vishwanath, G., Gupta, A.	Effect of load variations on exergy performance of solar box type cooker	2012	Journal of Renewable and Sustainable Energy	4	5			Journal Article	Scopus
Arun Prakash, N., Gnanamoorthy, R., Kamaraj, M.	Fretting wear behavior of controlled ball impact treated aluminium alloy under dry sliding condition	2012	Surface and Coatings Technology	207		450	460	Journal Article	Scopus
Arun Prakash, N., Gnanamoorthy, R., Kamaraj, M.	Fretting wear behavior of fine grain structured aluminium alloy formed by oil jet peening process under dry sliding condition	2012	Wear	294 - 295		427	437	Journal Article	Scopus
Godson, L., Raja, B., Mohan Lal, D., Wongwises, S.	Convective Heat Transfer Characteristics of Silver-Water Nanofluid Under Laminar and Turbulent Flow Conditions	2012	Journal of Thermal Science and Engineering Applications	4	3			Journal Article	Scopus
Karthik, R., Harish Nagarajan, R.,	Thermal conductivity of CuO-DI water nanofluids using 3- ω measurement technique in a suspended micro-wire	2012	Experimental Thermal and Fluid Science	40		1	9	Journal Article	Scopus

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Raja, B., Damodharan, P.									
Balachander, P., Raja, B., Lal, D.M.	Evaporative heat transfer characteristics of R404A and R134a under varied heat flux conditions	2012	Experimental Heat Transfer	25	3	254	265	Journal Article	Scopus
Jayavel, S., Tiwari, S.	Advection transport model of vortex enhanced heat transfer	2012	International Journal of Heat and Mass Transfer	55	11-Dec	3273	3287	Journal Article	Scopus
Karthik, R., Nagarajan, N.H., Raja, B., Damodharan, P.	Measurement of thermal conductivity of fluids using 3- ω method in a suspended micro wire	2012	Journal of Engineering Thermophysics	21	1	60	68	Journal Article	Scopus
Balachander, P., Raja, B., Lal, D.M.	Investigation on boiling heat transfer characteristics of R404A in a 7.49-mm smooth horizontal tube	2011	Experimental Heat Transfer	24	4	355	369	Journal Article	Scopus
Sait, U., Muthuswamy, S.	Development of dielectric electroactive polymer actuator for robotic application	2011	Recent Patents on Mechanical Engineering	4	2	180	187	Journal Article	Scopus
Kumar, N., Shenoy, M.R., Pal, B.P.	Phasor notations-based simple analytical method for an intuitive design of wavelength interleaver with flattop response	2011	IETE Journal of Research	57	3	224	231	Journal Article	Scopus
Timmaraju, M.V., Gnanamoorthy, R., Kannan, K.	Influence of imbibed moisture and organoclay on tensile and indentation behavior of polyamide 66/hectorite nanocomposites	2011	Composites Part B: Engineering	42	3	466	472	Journal Article	Scopus
Timmaraju, M.V., Gnanamoorthy, R., Kannan, K.	Effect of environment on flexural fatigue behavior of polyamide 66/hectorite nanocomposites	2011	International Journal of Fatigue	33	4	541	548	Journal Article	Scopus

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Kumar, N., Vishwanath, G., Gupta, A.	An exergy based test protocol for truncated pyramid type solar box cooker	2011	Energy	36	9	5710	5715	Journal Article	Scopus
Sekhar, S.J., Raja, B., Lal, D.M.	Thermal-fluid modeling of a visi-cooler	2010	Computational Thermal Sciences	2	4	359	370	Journal Article	Scopus
Selvajyothi, K., Janakiraman, P.A.	FPGA-based software implementation of series harmonic compensation for single phase inverters	2010	VLSI Design	2010				Journal Article	Scopus
Timmaraju, M.V., Gnanamoorthy, R., Kannan, K.	Influence of organoclay on flexural fatigue behavior of polyamide 66/hectorite nanocomposites at laboratory condition	2010	Polymer Composites	31	11	1977	1986	Journal Article	Scopus
Arun Prakash, N., Gnanamoorthy, R., Kamaraj, M.	Dry sliding wear behaviour of oil jet peened aluminium alloy, AA6063-T6	2010	Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology	224	11	1189	1196	Journal Article	Scopus
Rajeesh, K.R., Gnanamoorthy, R., Velmurugan, R.	The effect of moisture content on the tensile behaviour of polyamide 6 nanocomposites	2010	Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications	224	4	173	176	Journal Article	Scopus
Arun Prakash, N., Gnanamoorthy, R., Kamaraj, M.	Microstructural evolution and mechanical properties of oil jet peened aluminium alloy, AA6063-T6	2010	Materials and Design	31	9	4066	4075	Journal Article	Scopus
Damodharan, P., Vasudevan, K.	Sensorless brushless DC motor drive based on the zero-crossing detection of	2010	IEEE Transactions on Energy Conversion	25	3	661	668	Journal Article	Scopus

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	back electromotive force (EMF) from the line voltage difference								
Ramkumar, A., Gnanamoorthy, R.	Effect of nanoclay addition on the displacement-controlled flexural fatigue behavior of a polymer	2010	Journal of Materials Science	45	15	4180	4187	Journal Article	Scopus
Charles, D.F., Gnanamoorthy, R., Ravindran, P.	Rolling contact fatigue behavior of polyamide clay reinforced nanocomposite-Effect of load and speed	2010	Wear	269	07-Aug	565	571	Journal Article	Scopus
Rajeesh, K.R., Gnanamoorthy, R., Velmurugan, R.	Effect of humidity on the indentation hardness and flexural fatigue behavior of polyamide 6 nanocomposite	2010	Materials Science and Engineering A	527	12	2826	2830	Journal Article	Scopus
Prakash, N.A., Gnanamoorthy, R., Kamaraj, M.	Friction and wear behavior of surface nanocrystallized aluminium alloy under dry sliding condition	2010	Materials Science and Engineering B: Solid-State Materials for Advanced Technology	168	1	176	181	Journal Article	Scopus
Sreekumar, M., Nagarajan, T., Singaperumal, M.	Kinetostatic analysis of a spatial compliant mechanism actuated by three shape memory alloy wires in differential form	2010	Mechanics of Advanced Materials and Structures	17	3	225	236	Journal Article	Scopus
Sahaya Grinspan, A., Gnanamoorthy, R.	Impact force of low velocity liquid droplets measured using piezoelectric PVDF film	2010	Colloids and Surfaces A: Physicochemical and Engineering Aspects	356	01-Ma r	162	168	Journal Article	Scopus

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Raja, B., Lal, D.M., Saravanan, R.	Stratified flow boiling heat transfer study of a HFC/HC refrigerant mixture in smooth horizontal tubes	2010	Heat and Mass Transfer/Waerme- und Stoffuebertragung	46	3	323	331	Journal Article	Scopus
Ramkumar, A., Kannan, K., Gnanamoorthy, R.	Experimental and theoretical investigation of a polymer subjected to cyclic loading conditions	2010	International Journal of Engineering Science	48	2	101	110	Journal Article	Scopus
Vachhani, L., Sridharan, K., Meher, P.K.	Efficient FPGA realization of cordic with application to robotic exploration	2009	IEEE Transactions on Industrial Electronics	56	12	4915	4929	Journal Article	Scopus
Sreekumar, M., Singaperumal, M.	A generalized analytical approach to the coupled effect of SMA actuation and elastica deflection	2009	Smart Materials and Structures	18	11			Journal Article	Scopus
Sreekumar, M., Nagarajan, T., Singaperumal, M.	Application of trained NiTi SMA actuators in a spatial compliant mechanism: Experimental investigations	2009	Materials and Design	30	8	3020	3029	Journal Article	Scopus
Sahaya Grinspan, A., Gnanamoorthy, R.	Development of a novel oil cavitation jet peening system and cavitation jet erosion in aluminum alloy, AA 6063-T6	2009	Journal of Fluids Engineering, Transactions of the ASME	131	6	61301 1	61301 8	Journal Article	Scopus
Ramkumar, A., Gnanamoorthy, R.	Axial fatigue behaviour of polyamide-6 and polyamide-6 nanocomposites at room temperature	2008	Composites Science and Technology	68	15- 16	3401	3405	Journal Article	Scopus
Satya Krishna, I., Barik, R.K., Karthikeyan, S.S.	A dual-band crossover using cross-shaped microstrip line for small and large band ratios	2017	International Journal of Microwave and Wireless Technologies			1	7	Journal Article in Press	Scopus

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Oswald, C., Akshay Vyas, V., Arun Kumar, K., Vijay Sri, L., Sivaselvan, B.	Hierarchical clustering approach to text compression	2018	Advances in Intelligent Systems and Computing	518		347	357	Conf. Paper	Scopus
Mohamed, A.B.M., Noor, M.S.	High Performance Integer DCT Architectures for HEVC	2017	Proceedings - 2017 30th International Conference on VLSI Design and 2017 16th International Conference on Embedded Systems, VLSID 2017			121	126	Conf. Paper	Scopus
Manikandan, V.M., Masilamani, V.	An efficient visually meaningful image encryption using Arnold transform	2017	2016 IEEE Students' Technology Symposium, TechSym 2016			266	271	Conf. Paper	Scopus
De, K., Masilamani, V.	Fast no-reference image sharpness measure for blurred images in discrete cosine transform domain	2017	2016 IEEE Students' Technology Symposium, TechSym 2016			256	261	Conf. Paper	Scopus
De, K., Masilamani, V.	No-reference image quality assessment for images degraded by color quantization in HSV space	2017	2016 IEEE Students' Technology Symposium, TechSym 2016			40	45	Conf. Paper	Scopus
Pattanashetty, K.C., Kumar, R., Pandian, S.R.	Web-based physics experiments in dynamics using image processing	2017	1st IEEE International Conference on Power Electronics, Intelligent Control and Energy Systems, ICPEICES 2016					Confere nce Paper	Scopus
Kumaravelu, G., Soni, C., Pandian, S.R.	Design of a compact and economical remotely operated vehicle for aquatic monitoring	2017	IEEE Region 10 Annual International Conference, Proceedings/TENCON			1834	1838	Confere nce Paper	Scopus
Harini, V.S., Dharani, M.,	Robots for the bottom of the pyramid: Mobile robot racing over the internet	2017	IEEE Region 10 Annual International Conference, Proceedings/TENCON			751	755	Confere nce Paper	Scopus

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Balaji, K.P., Pandian, S.R.									
Chandu, D.S., Pradhan, S., Karthikeyan, S.S.	A wideband substrate integrated waveguide slotted array antenna with multimode and multidirectional characteristics	2017	2016 IEEE Annual India Conference, INDICON 2016					Conference Paper	Scopus
Ananth, A., Selvaraj, M.D.	Performance analysis of SSK in decode and forward cooperative relaying using min-max selection combining	2017	2016 IEEE Annual India Conference, INDICON 2016					Conference Paper	Scopus
Renjith, P., Sadagopan, N.	Hamiltonicity in split graphs - A dichotomy	2017	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	10156 LNCS		320	331	Conference Paper	Scopus
Pandithevan, P., Joshi, M.	Investigation of temperature and stress distribution on high speed machining of Ti6Al4V and 316L steel biomaterials using explicit dynamic analysis	2017	Materials Science Forum	889 MS F		84	89	Conference Paper	Scopus
Manikandan, V.M., Masilamani, V.	A context dependent fragile watermarking scheme for tamper detection from demosaicked color images	2016	ACM International Conference Proceeding Series					Conference Paper	Scopus
Barik, R.K., Siddiqui, R., Kumar, K.V.P., Karthikeyan, S.S.	Design of a novel dual-band low noise amplifier incorporating dual-band impedance transformer	2016	2016 International Conference on Signal Processing and Communications, SPCOM 2016					Conference Paper	Scopus

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Pandian, S.R.	Building a Smart Mosquito Trap - Intelligent Mechatronics for Mosquito Control Research	2016	1st International Conference on Emerging Trends in Engineering, Technology and Science, ICETETS 2016 - Proceedings			F55	F57	Conference Paper	Scopus
Maheswaran, P., Selvaraj, M.D.	On the transmit diversity of Time Successive SSK-BPSK system	2016	2016 22nd National Conference on Communication, NCC 2016					Conference Paper	Scopus
Jubin Antony, J., Jayabal, K.	Rollover dynamics of a narrow tilting three-wheeled vehicle	2016	MATEC Web of Conferences	51				Conference Paper	Scopus
Basiri, M.M.A., Mahammad, S.K.N.	An Efficient VLSI Architecture for Discrete Hadamard Transform	2016	Proceedings of the IEEE International Conference on VLSI Design	2016-March		140	145	Conference Paper	Scopus
Barik, R.K., Bishoyi, P.K., Karthikeyan, S.S.	Design of a novel dual-band impedance transformer	2016	2015 IEEE International Conference on Electronics, Computing and Communication Technologies, CONECCT 2015					Conference Paper	Scopus
Chandrasekar, E., Sreekumar, M.	Implementation of a simplified modeling scheme for the control of SMA actuators using labview	2016	ISMA 2015 - 10th International Symposium on Mechatronics and its Applications					Conference Paper	Scopus
Hemanth, G.S., Mahammad, S.N.	An efficient virtualization server infrastructure for e-schools of India	2016	Advances in Intelligent Systems and Computing	434		89	99	Conference Paper	Scopus
Chandu, D.S., Pradhan, S., Karthikeyan, S.S.	SIW based modified slotted array antenna with circular polarization for X, Ku and K band communications	2016	European Microwave Week 2016: "Microwaves Everywhere", EuMW 2016 - Conference Proceedings; 46th European Microwave Conference, EuMC 2016			417	420	Conference Paper	Scopus

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Shalu, M.A., Sandhya, T.P.	The cd-coloring of graphs	2016	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	960 2		337	348	Conference Paper	Scopus
Manikandan, V.M., Masilamani, V.	Real-time scene change detection and entropy based semi-fragile watermarking scheme for surveillance video authentication	2016	Smart Innovation, Systems and Technologies	49		101	110	Conference Paper	Scopus
Pattanashetty, K., Balaji, K.P., Pandian, S.R.	Educational outdoor mobile robot for trash pickup	2016	GHTC 2016 - IEEE Global Humanitarian Technology Conference: Technology for the Benefit of Humanity, Conference Proceedings			342	351	Conference Paper	Scopus
Madhevan, B., Sreekumar, M.	Analysis of communication delay and packet loss during localization among mobile robots	2016	Advances in Intelligent Systems and Computing	385		3	12	Conference Paper	Scopus
Sagar, K., Zlatanov, D., Zoppi, M., Nattero, C., Sreekumar, M.	Path planning of a material handling agent with novel locomotion	2016	Proceedings of the ASME Design Engineering Technical Conference	4				Conference Paper	Scopus
Sai Charan, A., Srinivasaverma, V.S.M., Noor Mahammad, S.	Lifeline system for fisherman	2016	Lecture Notes in Electrical Engineering	372		583	592	Conference Paper	Scopus

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Bishoyi, P.K., Karthikeyan, S.S.	Design of a two stage Ku band low noise amplifier for satellite applications	2015	2015 International Conference on Communication and Signal Processing, ICCSP 2015			270	273	Conference Paper	Scopus
Kumar, S.D., Mahammad, S.K.N.	A Novel SRAM Cell Design Using Reversible Logic	2015	Proceedings - 2014 3rd International Conference on Eco-Friendly Computing and Communication Systems, ICECCS 2014			1	4	Conference Paper	Scopus
Chandu, D.S., Karthikeyan, S.S., Phani Kumar, K.V.	Reduction of mutual coupling in a two element patch antenna array using sub-wavelength resonators	2015	2015 21st National Conference on Communications, NCC 2015					Conference Paper	Scopus
Pandey, G., Sreekumar, M.	Development of High Strength Bio-Composite Material for Light Weight Serial Robot Mechanisms	2015	Procedia Computer Science	76		512	521	Conference Paper	Scopus
Oswald, C., Ghosh, A.I., Sivaselvan, B.	An efficient text compression algorithm - data mining perspective	2015	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	946	8	563	575	Conference Paper	Scopus
Eswarawaka, R., Noor Mahammad, S.K., Eswara Reddy, B.	Hybrid memetic algorithm for FPGA placement and routing using parallel genetic tunneling	2015	Advances in Intelligent Systems and Computing	336		359	371	Conference Paper	Scopus
Kumar, N., Kumar, A., Varma, V.T.N.	Miniaturized single-mode single-fiber MZI based direct current sensor	2014	Optics InfoBase Conference Papers					Conference Paper	Scopus

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Kumar, A., Kumar, N., Subarao, R.A.	Analysis of single-mode single-fiber MZI based acousto-optic sensor using two different techniques	2014	Optics InfoBase Conference Papers					Conference Paper	Scopus
Srivastava, H., Noor Mahammad, S.K.	A novel flexible baseband processor architecture framework	2014	2014 International Conference on Signal Processing and Integrated Networks, SPIN 2014			511	516	Conference Paper	Scopus
Mohamed, A.B.M., Noor Mahammad, S.K.	An efficient hardware based MAC design in digital filters with complex numbers	2014	2014 International Conference on Signal Processing and Integrated Networks, SPIN 2014			475	480	Conference Paper	Scopus
Kumar, N., Ramachandran, K.	A novel interferometric technique for the gain equalization of an EDFA	2014	WRAP 2013 - Workshop on Recent Advances in Photonics					Conference Paper	Scopus
Mohanty, S., Noor Mahammad, S.K.	A novel interleaver design for multimode communication in WLAN	2014	2014 International Conference on Signal Processing and Integrated Networks, SPIN 2014			286	290	Conference Paper	Scopus
Santhoshkumar, M., Selvaraj, M.D.	Performance analysis of scaled switching technique for cooperative diversity systems	2014	2014 2nd International Conference on Information and Communication Technology, ICoICT 2014			425	430	Conference Paper	Scopus
Oswald, C., Anand Deva Durai, C.	Novel hybrid PSO algorithms with search optimization strategies for a University Course Timetabling Problem	2014	2013 5th International Conference on Advanced Computing, ICoAC 2013			77	85	Conference Paper	Scopus
Kumar, V., Eakambaram, A., Arivazhagan, A.	FEM analysis to optimally design end mill cutters for milling of Ti-6Al-4V	2014	Procedia Engineering	97		1237	1246	Conference Paper	Scopus
Abdul Majeed, K.K., Kailath, B.J.	A novel phase frequency detector for a high frequency PLL design	2013	Procedia Engineering	64		377	384	Conference Paper	Scopus

Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Document Type	Source
Kumar, K.S., Moorthy, S.A.S., Noor Mahammad, S.K.	Design of low cost programmable DC power supply unit	2013	CARE 2013 - 2013 IEEE International Conference on Control, Automation, Robotics and Embedded Systems, Proceedings					Conference Paper	Scopus
Madhevan, B., Sreekumar, M.	Tracking algorithm using leader follower approach for multi robots	2013	Procedia Engineering	64		1426	1435	Conference Paper	Scopus
Sagar, S.N.K., Sreekumar, M.	Miniaturized flexible flow pump using SMA actuator	2013	Procedia Engineering	64		896	906	Conference Paper	Scopus
Arivazhagan, A., Mehta, N.K., Jain, P.K.	Automated design and STEP-NC machining of impellers	2013	Proceedings of the 37th International MATADOR 2012 Conference			57	60	Conference Paper	Scopus
Majeed, K.K.A., Kailath, B.J.	Low power, high frequency, free dead zone PFD for a PLL design	2013	2013 IEEE Faible Tension Faible Consommation, FTFC 2013					Conference Paper	Scopus
Kumar, A.	Advanced solar water heater with electricity generation	2013	2013 IEEE Conference on Information and Communication Technologies, ICT 2013			110	115	Conference Paper	Scopus
Veeramani, S., Kumar, M., Mahammad, S.N.	Minimization of flow table for TCAM based openflow switches by virtual compression approach	2013	2013 IEEE International Conference on Advanced Networks and Telecommunications Systems, ANTS 2013					Conference Paper	Scopus
Linus, R.M., Damodharan, P.	Performance of buck/PWM converter in permanent magnet synchronous generator based wind energy conversion system	2013	IET Seminar Digest	2013	8	476	480	Conference Paper	Scopus

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Veeramani, S., Kumar, M., Mahammad, S.K.N.	Hybrid trie based partitioning of TCAM based openflow switches	2013	2013 IEEE International Conference on Advanced Networks and Telecommunications Systems, ANTS 2013					Confere nce Paper	Scopus
Veeramani, S., Sharma, S.R., Mahammad, S.N.	Constructing scalable hierarchical switched openflow network using adaptive replacement of flow table management	2013	2013 IEEE International Conference on Advanced Networks and Telecommunications Systems, ANTS 2013					Confere nce Paper	Scopus
Kanjar, D., Masilamani, V.	An object separability based no-reference image quality measure using statistical properties of objects	2013	Communications in Computer and Information Science	276		143	153	Confere nce Paper	Scopus
Veeramani, S., Rout, B.N., Noor Mahammad, S.K.	Novel approach to secure channel using C-SCAN and microcontroller in openflow	2013	2013 IEEE International Conference on Advanced Networks and Telecommunications Systems, ANTS 2013					Confere nce Paper	Scopus
Swaminathan, R., Roy, R., Selvaraj, M.D.	Performance analysis of triple correlated selection combining for cooperative diversity systems	2013	IEEE International Conference on Communications			5483	5488	Confere nce Paper	Scopus
Senthilkumar, R., Prabhu, S., Cheralathan, M.	Experimental investigation on carbon nano tubes coated brass rectangular extended surfaces	2013	Applied Thermal Engineering	50	1	1361	1368	Confere nce Paper	Scopus
Srinivasan, N., Selvaraj, M.D.	Erasure based error analysis with M-ary PSK signaling for cooperative diversity systems	2013	GLOBECOM - IEEE Global Telecommunications Conference			3820	3825	Confere nce Paper	Scopus
Swaminathan, R., Selvaraj, M.D., Roy, R.	Performance analysis of double correlated selection combining for cooperative diversity systems	2013	2013 National Conference on Communications, NCC 2013					Confere nce Paper	Scopus

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Jain, S., Sivaselvan, B.	Usability aspects of HCI in the design of CAPTCHAs	2012	2012 IEEE International Conference on Computational Intelligence and Computing Research, ICCIC 2012								Conference Paper	Scopus
Kumar, N., Ramachandran, K.	Sagnac and Mach-Zehnder interferometer based gain flattening of an EDFA	2012	Conference Paper	Scopus								
De, K., Masilamani, V.	A new no-reference image quality measure to determine the quality of a given image using object separability	2012	2012 International Conference on Machine Vision and Image Processing, MVIP 2012						92	95	Conference Paper	Scopus
Kumar, N., Patil, S.	Solar day-lighting using optical fibers	2012	Conference Paper	Scopus								
Madhevan, B., Sreekumar, M.	Structures and characteristics in reconfigurable modular robots	2012	Advances in Reconfigurable Mechanisms and Robots I						525	534	Conference Paper	Scopus
Deepak, S., Kailath, B.J.	Optimized MAC unit design	2012	2012 IEEE International Conference on Electron Devices and Solid State Circuit, EDSSC 2012								Conference Paper	Scopus
Gangothri, T.M., Sumitha, P.K., Moorthy, S.A.S., Selvajyothi, K., Mahammed, S.K.N.	Design of compact controller and power module for corrosion and marine growth prevention	2012	2012 IEEE 7th International Conference on Industrial and Information Systems, ICIIS 2012								Conference Paper	Scopus
Harikrishnan G, P., Kailath, B.J.	MIM capacitors with stacked dielectrics	2012	Technical Proceedings of the 2012 NSTI Nanotechnology Conference and Expo, NSTI-Nanotech 2012						64	67	Conference Paper	Scopus

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Usha, S., Sreekumar, M.	Elastic behaviour of DEAP film in the development of actuators	2012	Procedia Engineering	41		1154	1161	Confere nce Paper	Scopus
Prasanth, K.V.S.S.D., Sreekumar, M.	Design of a new biomimic flow pump using SMA actuators	2012	Applied Mechanics and Materials	110 -		2903	2910	Confere nce Paper	Scopus
Pisharody, H.G.	An optimal design for piezoelectric energy harvesting system	2011	2011 IEEE PES International Conference on Innovative Smart Grid Technologies-India, ISGT India 2011			244	247	Confere nce Paper	Scopus
Deepak, S., Manoharan, M., Mizuta, H.	Transport characteristics of nanoconstricted graphene with and with out point defects	2011	Proceedings of the International Conference on Nanoscience, Engineering and Technology, ICONSET 2011			300	303	Confere nce Paper	Scopus
Sapru, V., Reddy, K., Sivaselvan, B.	Time table scheduling using Genetic Algorithms employing guided mutation	2010	2010 IEEE International Conference on Computational Intelligence and Computing Research, ICCIC 2010			335	339	Confere nce Paper	Scopus
Grinspon, A.S., Gnanamoorthy, R.	Finite element analysis of the effect of oil jet peening process in a material	2010	Proceedings of the ASME International Design Engineering Technical Conferences and Computers and Information in Engineering Conference 2009, DETC2009	3		791	798	Confere nce Paper	Scopus
Sahaya Grinspon, A., Gnanamoorthy, R.	Finite element analysis of the effect of oil jet peening process in a material	2009	Proceedings of the ASME Design Engineering Technical Conference	3		791	798	Confere nce Paper	Scopus

Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	Document Type	Source
Madhevan, B., Sreekumar, M.	A systematic implementation of role assignment in multi robots using leader follower approach: Analytical and experimental evaluation	2014	2014 13th International Conference on Control Automation Robotics and Vision, ICARCV 2014			1792	1798	Conference Paper	Scopus
Pandian, S.R.	MESSAGE	2016	1st International Conference on Emerging Trends in Engineering, Technology and Science, ICETETS 2016 - Proceedings					Editorial	Scopus
Kuppalath, A.M.K., Kailath, B.J.	Nonlinear PFD free of glitches and blind zone for a fast locking PLL with reduced reference spur	2016	IEICE Electronics Express	13	10			Letter	Scopus
Muthuswamy, S., Molfino, R.	Student-Supervisor Relationship in the Process of Managing a Ph.D.: Engineering Perspective	2017	Journal of Professional Issues in Engineering Education and Practice	143	4			Review	Scopus