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Area of specialization: Signal and image processing, Deep Learning

Journal Publications Details	
Year of publication	Title
2020	Abenanth, G.K., Balachander, S., Sivakarhikeyan, U., Avinash Subramaniam, M., Aravinth, J. Design and Construction of a Submarine Miniature (2020) Proceedings of the 2020 IEEE International Conference on Communication and Signal Processing, ICCSP 2020, art. no. 9182355, pp. 61-66.
2020	Anand, A.R., Ramkumar, S., Akshaya Kumar, V., Vinoth, K., Aravinth, J. Secure Iris Recognition using Negative Database (2020) Proceedings of the 2020 IEEE International Conference on Communication and Signal Processing, ICCSP 2020, art. no. 9182200, pp. 71-75.
2020	Sudarsanan, S., Aravinth, J. Classification of heart murmur using CNN (2020) Proceedings of the 5th International Conference on Communication and Electronics Systems, ICCES 2020, art. no. 09138059, pp. 818-822.
2020	Amritha, V.S., Aravinth, J. Matcher Performance-Based Score Level Fusion Schemes for Multi-modal Biometric Authentication Terms and conditions Privacy policy Copyright © 2020 Elsevier B.V. All rights reserved. Scopus® is a registered trademark of Elsevier B.V. System (2020) 2020 6th International Conference on Advanced Computing and Communication Systems, ICACCS 2020, art. no. 9074446, pp. 79-85
2020	Mathur, B.S.H., Sudheer, G.K., Sanchana, M., Boddu, C., Aravinth, J. High Resolution Air Pollution Mapping using Wireless Sensor Nodes (2020) 2020 6th International Conference on Advanced Computing and Communication Systems, ICACCS 2020, art. no. 9074396, pp. 430-435.
2019	Aravinth, J., Nath, B., Siva Subramanian, M., Bulusu, R.V.S.S., Monish, P. Machine learning based Detection of Zinc Mineralization North India using Hyperspectral Image Processing (2019) Proceedings of the 4th International Conference on Communication and Electronics Systems, ICCES 2019, art. no. 9002211, pp. 1777-1781.
2019	Muhammed, M.A.A., Aravinth, J. CNN based Off-the-Person ECG Biometrics (2019) 2019 International Conference on Wireless Communications, Signal Processing and Networking, WiSPNET 2019, art. no. 9032813, pp. 217-221.
2019	Shamilee, H., Balaji, J.V., Praveen, S., Aravinth, J. Mapping of mormon tea species

	using hyperion hyperspectral data (2019) 2019 International Conference on Wireless Communications, Signal Processing and Networking, WiSPNET 2019, art. no. 9032836, pp. 180-185.
2018	Diana Abraham, C., Aravinth, J. Fusion Methods for Hyperspectral Image and LIDAR Data at Pixel-Level (2018) 2018 International Conference on Wireless Communications, Signal Processing and Networking, WiSPNET 2018, art. no. 8538460, .
2018	George, J.E., Aravinth, J. Estimating Pollution Contents in an Urban Area using Airborne Hyperspectral Thermal Data (2018) 2018 International Conference on Wireless Communications, Signal Processing and Networking, WiSPNET 2018, art. no. 8538681, .
2018	Natarajan, V., Anush Bharadwaj, L., Hari Krishna, K., Aravinth, J. Urban Objects Classification from HSR-HTIR Data Using Gaussian and Mahalanobis Distance Terms and conditions Privacy policy Copyright © 2020 Elsevier B.V. All rights reserved. Scopus® is a registered trademark of Elsevier B.V. Classifiers (2018) Proceedings of the 2018 IEEE International Conference on Communication and Signal Processing, ICCSP 2018, art. no. 8524146, pp. 1041-1045
2018	Lavenya, R., Shanmukha, K., Vaishnavi, K., Abijith, N.G., Aravinth, J. Estimation of Peaks and Canopy Height Using LiDAR Data (2018) Proceedings of the 2018 IEEE International Conference on Communication and Signal Processing, ICCSP 2018, art. no. 8524455, pp. 518-522. C
2018	Aravinth, J., Lavenya, R., Shanmukha, K., Vaishnavi, K. Evaluation and Analysis of building Height with LiDAR Data (2018) Proceedings of the 3rd International Conference on Communication and Electronics Systems, ICCES 2018, art. no. 8724044, pp. 397-402.
2018	Aravinth, J., Bharadwaj, A., Harikrishna, K., Vignajeeth, N. Classification of Urban Objects from HSR-HTIR data using CNN and Random forest Classifier (2018) Proceedings of the 3rd International Conference on Communication and Electronics Systems, ICCES 2018, art. no. 8723885, pp. 388-391.
2017	Aravinth, J., Roopa, S. Identifying traces of copper in basavakote, Karnataka using hyperspectral remote sensing (2018) Proceedings of 2017 IEEE International Conference on Technological Advancements in Power and Energy: Exploring Energy Solutions for an Intelligent Power Grid, TAP Energy 2017, pp. 1-6
2017	Veni, S., George, J.E., Aravinth, J. Detection of pollution content in an urban area using landsat 8 data (2017) 2017 International Conference on Advances in Computing, Communications and Informatics, ICACCI 2017, 2017-January, pp. 184-190
2017	Anand, R., Veni, S., Aravinth, J. Big data challenges in airborne hyperspectral image for urban landuse classification (2017) 2017 International Conference on Advances in Computing, Communications and Informatics, ICACCI 2017, 2017-January, pp. 1808-1814

2017	Roopa, S., Sathya Narayanan, K., Sarvanan, S., Jhanane, M., Aravinth, J. Detection of COPPER in southern India using HYPERION imagery (2017) 2017 International Conference on Advances in Computing, Communications and Informatics, ICACCI 2017, 2017-January, pp. 1188-1194.
2016	Sathya, A., Swetha, J., Das, K.A., George, K.K., Kumar, C.S., Aravinth, J. Robust features for spoofing detection (2016) 2016 International Conference on Advances in Computing, Communications and Informatics, ICACCI 2016, art. no. 7732417, pp. 2410-2414
2016	Anand, R., Veni, S., Aravinth, J. An application of image processing techniques for detection of diseases on brinjal leaves using k-means clustering method (2016) 2016 International Conference on Recent Trends in Information Technology, ICRTIT 2016, art. no. 7569531, .
2016	Prasad, S., Aravinth, J. Serial multimodal framework for enhancing user convenience using dimensionality reduction technique (2016) Proceedings of IEEE International Conference on Circuit, Power and Computing Technologies, ICCPCT 2016, art. no. 7530162, .
2016	Aravinth, J., Valarmathy, S. Multi classifier-based score level fusion of multi-modal biometric recognition and its application to remote biometrics authentication (2016) Imaging Science Journal, 64 (1), 14 p
2015	Aravinth, J., Valarmathy, S. A Natural Optimization Algorithm to Fuse Scores for Multimodal Biometric Recognition (2015) International Journal of Applied Engineering Research, 10 (8), pp. 21341-21354
2013	Aravinth, J., Valarmathy, S. Score-level fusion technique for multi-modal biometric recognition using ABC-based neural network (2013) International Review on Computers and Software, 8 (8), pp. 1889-1900.
2012	Vivek, S.A., Aravinth, J., Valarmathy, S. Feature extraction for multimodal biometric and study of fusion using Gaussian mixture model (2012) International Conference on Pattern Recognition, Informatics and Medical Engineering, PRIME 2012, art. no. 6208377, pp. 387-392.