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## MIT Campus, Anna University

Artificial IntelligenceOptoelectronicsEmbedded Systems

TITLE	CITED BY	YEAR
Optical based instrumentation setup to detect potassium under high pressure condition		2020
J Sumathi, VS Kumar		
RTIC-2019, 58-64		
Plant species recognition using modified LeNet-5 CNN architecture		2020
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Design and Implementation of Human Safeguard Measure Using Separable Convolutional Neural Network Approach		2020
R Vaitheeshwari, VS Kumar, SA Pearline		
Communications in Computer and Information Science 1148, 319-330		
An Efficient Inception V2 based Deep Convolutional Neural Network for Real-Time Hand Action Recognition	1	2019
R Bose S, VS Kumar		
IET Image Processing, 11pp		
DDLA: dual deep learning architecture for classification of plant species	1	2019
SA Pearline, VS Kumar		
IET Image Processing 13 (12), 2176-2182		
Device and methods for determining the elemental identity and analysis on moving target from a variable stand-off distance.		2019
VS Kumar, NJ Vasa, R Sarathi		
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Region based convolutional neural network for human-elephant conflict management system	1	2019
KMS Madheswaran, K Veerappan, VS Kumar		
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Hand gesture recognition using faster R-CNN Inception V2 Model		2019

TITLE	CITED BY	YEAR
R Bose, VS Kumar		
4th International Conference on Advances in Robotics (AIR 2019), Proceedings		
Performance Analysis of Epileptic Seizure Detection System Using Neural Network Approach	4	2019
R Vaitheeshwari, VS Kumar		
ICCIDS 2019		
Performance analysis of Convolutional Neural Network (CNN) based Cancerous Skin Lesion Detection System	4	2019
GS Jayalakshmi, VS Kumar		
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A study on plant recognition using conventional image processing and deep learning approaches	12	2019
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S Jagannathan, VS Kumar, D Meganathan		
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LBP based automatic authorized entry and surveillance systems for residence		2018
RSSKV Syed Salman A, Swarna Dharani S		
International Journal of Emerging Technology and Advanced Engineering 8 (1		
Liveliness detection in facial recognition systems		2018
SKV Anirudh Raghav R, Harishwar A, Vishwanath Prathap V, Veerappan K		
International Journal of Emerging Technology and Advanced Engineering 8 (1		
Study on Cholesterol contents using Laser induced breakdown spectroscopy		2018
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TITLE	CITED BY	YEAR
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Hybrid feature descriptors to detect face spoof attacks	5	2018
V Mohanraj, S Sibi Chakkaravarthy, I Gogul, VS Kumar, R Kumar,		
Journal of Intelligent & Fuzzy Systems 34 (3), 1411-1419		
Analyzing ConvNets Depth for Deep Face Recognition		2018
M Raj, I Gogul, MD Raj, VS Kumar, V Vaidehi, SS Chakkaravarthy		
Proceedings of 2nd International Conference on Computer Vision & Image		
Vision based feature diagnosis for automobile instrument cluster using machine learning	2	2017
MD Raj, VS Kumar		
2017 Fourth International Conference on Signal Processing, Communication and		
Flower species recognition system using convolution neural networks and transfer learning	46	2017
I Gogul, VS Kumar		
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Electrostatic model to understand the influence of salt deposit in gfrp material during lightning discharges		2017
VS Kumar, NJ Vasa, R Sarathi		
Power Research 13 (1), 37-46		
Static gesture recognition based precise positioning of 5-DOF robotic arm using FPGA	8	2017
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Smart autonomous gardening rover with plant recognition using neural networks	23	2016
VS Kumar, I Gogul, MD Raj, SK Pragadesh, JS Sebastin		
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Remote surface pollutant measurement by adopting a variable stand-off distance based laser induced spectroscopy technique	8	2015
VS Kumar, NJ Vasa, R Sarathi		
Journal of Physics D: Applied Physics 48 (43), 435504		

TITLE	CITED BY	YEAR
Understanding the discharge activity across GFRP material due to salt deposit under transient voltages by adopting OES and LIBS technique	7	2014

VS Kumar, NJ Vasa, R Sarathi, D Nakamura, T Okada

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