Kin-Choong Yow

List of Publications by Year
in descending order

53 papers	**1,087** citations	430754 **18** h-index	454834 **30** g-index
53 all docs	**53** docs citations	**53** times ranked	**688** citing authors

#	Article	IF	Citations
1	Abnormal Event Detection and Localization via Adversarial Event Prediction. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 3572-3586.	7.2	29
2	Particle swarm optimization for design of insulators of distribution power system based on finite element method. Electrical Engineering, 2022, 104, 615-622.	1.2	23
3	Echo state network applied for classification of medium voltage insulators. International Journal of Electrical Power and Energy Systems, 2022, 134, 107336.	3.3	44
4	A CNN-RNN Combined Structure for Real-World Violence Detection in Surveillance Cameras. Applied Sciences (Switzerland), 2022, 12, 1021.	1.3	28
5	Classification of insulators using neural network based on computer vision. IET Generation, Transmission and Distribution, 2022, 16, 1096-1107.	1.4	38
6	Semi-ProtoPNet Deep Neural Network for the Classification of Defective Power Grid Distribution Structures. Sensors, 2022, 22, 4859.	2.1	30
7	These *do not* Look Like Those: An Interpretable Deep Learning Model for Image Recognition. IEEE Access, 2021, 9, 41482-41493.	2.6	31
8	An Interpretable Deep Learning Model for Covid-19 Detection With Chest *X*-Ray Images. IEEE Access, 2021, 9, 85198-85208.	2.6	27
9	A Study of Multilayer Perceptron Networks Applied to Classification of Ceramic Insulators Using Ultrasound. Applied Sciences (Switzerland), 2021, 11, 1592.	1.3	37
10	Experimental Comparison of Preferential vs. Common Delta Connections for the Star-Delta Starting of Induction Motors. Energies, 2021, 14, 1318.	1.6	9
11	Classification of Contaminated Insulators Using k-Nearest Neighbors Based on Computer Vision. Computers, 2021, 10, 112.	2.1	28
12	Object or Background: An Interpretable Deep Learning Model for COVID-19 Detection from CT-Scan Images. Diagnostics, 2021, 11, 1732.	1.3	13
13	Block change learning for knowledge distillation. Information Sciences, 2020, 513, 360-371.	4.0	8
14	Transfer learning for vehicle detection using two cameras with different focal lengths. Information Sciences, 2020, 514, 71-87.	4.0	14
15	General Moving Object Localization from a Single Flying Camera. Applied Sciences (Switzerland), 2020, 10, 6945.	1.3	6
16	Fault detection in insulators based on ultrasonic signal processing using a hybrid deep learning technique. IET Science, Measurement and Technology, 2020, 14, 953-961.	0.9	40
17	Training approach using the shallow model and hard triplet mining for person reâ€identification. IET Image Processing, 2020, 14, 256-266.	1.4	6
18	Online Multi-Object Tracking With GMPHD Filter and Occlusion Group Management. IEEE Access, 2019, 7, 165103-165121.	2.6	26

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19	Joint representation learning of appearance and motion for abnormal event detection. Machine Vision and Applications, 2018, 29, 1157-1170.	1.7	19
20	Image-based quantitative analysis of tear film lipid layer thickness for meibomian gland evaluation. BioMedical Engineering OnLine, 2017, 16, 135.	1.3	26
21	A Fully Automatic Method for Gridding Bright Field Images of Bead-Based Microarrays. IEEE Journal of Biomedical and Health Informatics, 2016, 20, 1148-1159.	3.9	2
22	Efficient multi-keyword ranked query over encrypted data in cloud computing. Future Generation Computer Systems, 2014, 30, 179-190.	4.9	89
23	Survey on blind image forgery detection. IET Image Processing, 2013, 7, 660-670.	1.4	90
24	A robust image retrieval system for mobile guide applications. International Journal of Intelligent Systems, 2012, 27, 301-316.	3.3	0
25	Field service support with a wireless PDA. , 2011, , .		0
26	An investigation on iExchange technology in Motorola iDEN system. , 2011, , .		2
27	Mitigating DDoS attacks with transparent and intelligent fast-flux swarm network. IEEE Network, 2011, 25, 28-33.	4.9	47
28	A fast learning neural network for oriented visual place map based robot navigation. , 2011, , .		2
29	Optimizing image matches via a verification model. International Journal of Intelligent Systems, 2010, 25, n/a-n/a.	3.3	0
30	Reliable matching of building facades using geometric measurements and an iterative reliability verification model. , 2010, , .		0
31	Locating Corresponding Regions in Urban Environments. , 2010, , .		0
32	A Bluetooth-Based Device Management Platform for Smart Sensor Environment. Lecture Notes in Computer Science, 2010, , 275-279.	1.0	0
33	Robust matching of building facades under large viewpoint changes. , 2009, , .		11
34	Interactive learning environment for large class teaching. International Journal of Technology Enhanced Learning, 2009, 1, 229.	0.4	0
35	Combining Invariant and Corner-Like Features to Optimize Image Matching. Lecture Notes in Computer Science, 2009, , 692-701.	1.0	0
36	MOBILE TOURGUIDE SYSTEM. , 2009, , .		1

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37	A QoS framework to support integrated services in multihop wireless networks with infrastructure support. Computer Communications, 2008, 31, 3253-3266.	3.1	1
38	Image-Based Information Guide on Mobile Devices. Lecture Notes in Computer Science, 2008, , 346-355.	1.0	9
39	Multihop wireless networks with infrastructure support (MWNIs). , 2008, , .		0
40	MILCA â€" A Mobile and Interactive Learning Environment on Campus. Communications in Computer and Information Science, 2008, , 184-191.	0.4	2
41	Image Recognition for Mobile Applications. , 2007, , .		5
42	A QoS Framework to Support Integrated Services in Multihop Wireless Networks with Infrastructure Support. Performance, Computing and Communications Conference (IPCCC), IEEE International, 2007, , .	0.0	0
43	A Strategy-driven Framework for Multi-Robot Cooperation System. , 2006, , .		1
44	QoS routing in multi-channel multihop wireless networks with infrastructure support. , 2006, , .		6
45	Wireless Indoor Positioning System with Enhanced Nearest Neighbors in Signal Space Algorithm. , 2006, , .		26
46	Determining the best network to handover among various IEEE 802.11 and IEEE 802.16 networks by a mobile device. , 2005, , .		8
47	Determining the best network to handover among various IEEE 802.11 and IEEE 802.16 networks by a mobile device. , 2005, , .		1
48	Efficient Implementation of Elliptic Curve Cryptography (ECC) for Personal Digital Assistants (PDAs). Wireless Personal Communications, 2004, 29, 233-246.	1.8	11
49	A Secure Location Service in Mobile Ad Hoc Networks. , 2003, , .		0
50	Feature-based human face detection. Image and Vision Computing, 1997, 15, 713-735.	2.7	273
51	Enhancing human face detection using motion and active contours. Lecture Notes in Computer Science, 1997, , 515-522.	1.0	7
52	A color and feature-based approach to human face detection. , 0, , .		10
53	Mobile Interactive Learning in Large Classes. , 0, , 260-272.		1