

Chiman Kwan

List of Publications by Year in descending order

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269
papers

5,603
citations

136885

32
h-index

123376

61
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275
all docs

275
docs citations

275
times ranked

3626
citing authors

#	ARTICLE	IF	CITATIONS
1	Small Infrared Target Detection Based on Fast Adaptive Masking and Scaling With Iterative Segmentation. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	30
2	Unsupervised and Unregistered Hyperspectral Image Super-Resolution With Mutual Dirichlet-Net. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-18.	2.7	21
3	A high-performance approach to detecting small targets in long-range low-quality infrared videos. Signal, Image and Video Processing, 2022, 16, 93-101.	1.7	14
4	High-Performance Remote Radioactive Material Identification of Mixtures. IEEE Transactions on Nuclear Science, 2022, 69, 86-97.	1.2	1
5	Ultra-fast detail enhancement for a short-wave infrared image. Applied Optics, 2022, 61, 5112.	0.9	1
6	Walshâ€“Hadamard Kernel Feature-Based Image Compression Using DCT with Bi-Level Quantization. Computers, 2022, 11, 110.	2.1	0
7	Unsupervised Pansharpening Based on Self-Attention Mechanism. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 3192-3208.	2.7	55
8	Deep Learning for Effective Refugee Tent Extraction Near Syriaâ€“Jordan Border. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 1342-1346.	1.4	10
9	Safety Enhancement of UAVs from the Signal Processingâ€™s Perspectives: A Birdâ€™s Eye View. Drones, 2021, 5, 16.	2.7	1
10	Target Detection and Classification Improvements using Contrast Enhanced 16-bit Infrared Videos. Signal and Image Processing: an International Journal, 2021, 12, 23-38.	0.2	2
11	Target Detection and Classification Performance Enhancement using Super-Resolution Infrared Videos. Signal and Image Processing: an International Journal, 2021, 12, 33-45.	0.2	3
12	New Results on Radioactive Mixture Identification and Relative Count Contribution Estimation. Sensors, 2021, 21, 4155.	2.1	1
13	Converting Optical Videos to Infrared Videos Using Attention GAN and Its Impact on Target Detection and Classification Performance. Remote Sensing, 2021, 13, 3257.	1.8	16
14	A New Blind Video Quality Metric for Assessing Different Turbulence Mitigation Algorithms. Electronics (Switzerland), 2021, 10, 2277.	1.8	2
15	A Brief Review of Some Interesting Mars Rover Image Enhancement Projects. Computers, 2021, 10, 111.	2.1	2
16	Detection of Small Moving Objects in Long Range Infrared Videos from a Change Detection Perspective. Photonics, 2021, 8, 394.	0.9	11
17	New Results on Small and Dim Infrared Target Detection. Sensors, 2021, 21, 7746.	2.1	2
18	Simple and effective cloud- and shadow-detection algorithms for Landsat and Worldview images. Signal, Image and Video Processing, 2020, 14, 125-133.	1.7	10

#	ARTICLE	IF	CITATIONS
19	A short review of well-known image codecs and observations and root cause of some strange behaviors in image compression codecs. Signal, Image and Video Processing, 2020, 14, 583-591.	1.7	0
20	Comparing Video Activity Classifiers within a Novel Framework. Electronics (Switzerland), 2020, 9, 1545.	1.8	2
21	An Accurate Vegetation and Non-Vegetation Differentiation Approach Based on Land Cover Classification. Remote Sensing, 2020, 12, 3880.	1.8	32
22	Vegetation Detection Using Deep Learning and Conventional Methods. Remote Sensing, 2020, 12, 2502.	1.8	52
23	Flood Detection Using Multi-Modal and Multi-Temporal Images: A Comparative Study. Remote Sensing, 2020, 12, 2455.	1.8	18
24	Video Activity Recognition With Varying Rhythms. IEEE Access, 2020, 8, 191997-192008.	2.6	8
25	Comparison of Denoising Algorithms for Demosaicing Low Lighting Images Using CFA 2.0. Signal and Image Processing: an International Journal, 2020, 11, 37-60.	0.2	1
26	Enhancing Small Moving Target Detection Performance in Low-Quality and Long-Range Infrared Videos Using Optical Flow Techniques. Remote Sensing, 2020, 12, 4024.	1.8	26
27	Detection and Confirmation of Multiple Human Targets Using Pixel-Wise Code Aperture Measurements. Journal of Imaging, 2020, 6, 40.	1.7	15
28	Demosaicing of CFA 3.0 with Applications to Low Lighting Images. Sensors, 2020, 20, 3423.	2.1	7
29	Improving Land Cover Classification Using Extended Multi-Attribute Profiles (EMAP) Enhanced Color, Near Infrared, and LiDAR Data. Remote Sensing, 2020, 12, 1392.	1.8	23
30	Deep Learning for Land Cover Classification Using Only a Few Bands. Remote Sensing, 2020, 12, 2000.	1.8	44
31	Real-Time and Deep Learning Based Vehicle Detection and Classification Using Pixel-Wise Code Exposure Measurements. Electronics (Switzerland), 2020, 9, 1014.	1.8	23
32	Comparison of novelty detection methods for multispectral images in rover-based planetary exploration missions. Data Mining and Knowledge Discovery, 2020, 34, 1642-1675.	2.4	23
33	Tree, Shrub, and Grass Classification Using Only RGB Images. Remote Sensing, 2020, 12, 1333.	1.8	53
34	A new approach to solar flare prediction. Frontiers of Physics, 2020, 15, 1.	2.4	5
35	Deep learning models for accurate vegetation classification using RGB image only. , 2020, , .		6
36	Generation of stereo images for Mastcam imagers. , 2020, , .		1

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37	A Comparative Study of Sequence Tagging Methods for Domain Knowledge Entity Recognition in Biomedical Papers. , 2020, , .		3
38	High-performance concealment of defective pixel clusters in infrared imagers. Applied Optics, 2020, 59, 4081.	0.9	4
39	Strange Behaviors and Root Cause in the Compression of Previously Compressed Videos. Signal and Image Processing: an International Journal, 2020, 11, 1-21.	0.2	0
40	Performance comparison of different inpainting algorithms for accurate DTM generation. , 2020, , .		2
41	Demosaicing images in low lighting environments. , 2020, , .		1
42	Demosaicing of Real Low Lighting Images using CFA 3.0. Signal and Image Processing: an International Journal, 2020, 11, 25-41.	0.2	0
43	New layers in JMARS for displaying enhanced stereo and disparity images of Mastcam. , 2020, , .		0
44	Real-time infrared image detail enhancement based on fast guided image filter and plateau equalization. Applied Optics, 2020, 59, 6407.	0.9	16
45	A Joint Sparsity Approach to Soil Detection Using Expanded Bands of WV-2 Images. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 1869-1873.	1.4	10
46	Mastcam Image Resolution Enhancement with Application to Disparity Map Generation for Stereo Images with Different Resolutions. Sensors, 2019, 19, 3526.	2.1	10
47	Target tracking and classification using compressive sensing camera for SWIR videos. Signal, Image and Video Processing, 2019, 13, 1629-1637.	1.7	19
48	Novelty Detection for Multispectral Images with Application to Planetary Exploration. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 9484-9491.	3.6	25
49	Further Improvement of Debayering Performance of RGBW Color Filter Arrays Using Deep Learning and Pansharpening Techniques. Journal of Imaging, 2019, 5, 68.	1.7	13
50	Deep Learning-Based Target Tracking and Classification for Low Quality Videos Using Coded Aperture Cameras. Sensors, 2019, 19, 3702.	2.1	25
51	A Comparison of Compression Codecs for Maritime and Sonar Images in Bandwidth Constrained Applications. Computers, 2019, 8, 32.	2.1	12
52	Comparison of Deep Learning and Conventional Demosaicing Algorithms for Mastcam Images. Electronics (Switzerland), 2019, 8, 308.	1.8	13
53	Enhancing Safety of UAVs in National Airspace. , 2019, , .		0
54	Preflight Contingency Planning Approach for Fixed Wing UAVs with Engine Failure in the Presence of Winds. Sensors, 2019, 19, 227.	2.1	9

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55	A New Approach to Change Detection Using Heterogeneous Images. , 2019, , .		12
56	New Results in Change Detection Using Optical and Multispectral Images. , 2019, , .		5
57	Change Detection Using Original and Fused Landsat and Worldview Images. , 2019, , .		5
58	Deep Learning for Remote Sensing Image Super-Resolution. , 2019, , .		5
59	Multiple Human Objects Tracking and Classification Directly in Compressive Measurement Domain for Long Range Infrared Videos. , 2019, , .		7
60	Tracking and Classification of Multiple Human Objects Directly in Compressive Measurement Domain for Low Quality Optical Videos. , 2019, , .		6
61	Performance of Change Detection Algorithms Using Heterogeneous Images and Extended Multi-attribute Profiles (EMAPs). Remote Sensing, 2019, 11, 2377.	1.8	27
62	Practical Considerations in Unsupervised Change Detection Using SAR Images. , 2019, , .		8
63	Methods and Challenges Using Multispectral and Hyperspectral Images for Practical Change Detection Applications. Information (Switzerland), 2019, 10, 353.	1.7	36
64	Semi-Automated Emergency Landing Site Selection Approach for UAVs. IEEE Transactions on Aerospace and Electronic Systems, 2019, 55, 1892-1906.	2.6	22
65	Perceptually lossless compression of Mastcam images with error recovery. , 2019, , .		8
66	A comparative study of conventional and deep learning approaches for demosaicing Mastcam images. , 2019, , .		2
67	Compressive object tracking and classification using deep learning for infrared videos. , 2019, , .		11
68	Target tracking and classification directly in compressive measurement for low quality videos. , 2019, , .		9
69	Change detection using Landsat and Worldview images. , 2019, , .		6
70	Ground object detection in worldview images. , 2019, , .		1
71	Fusion of landsat and worldview images. , 2019, , .		3
72	Demosaicing of Bayer and CFA 2.0 Patterns for Low Lighting Images. Electronics (Switzerland), 2019, 8, 1444.	1.8	7

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73	Target Tracking and Classification Using Compressive Measurements of MWIR and LWIR Coded Aperture Cameras. Journal of Signal and Information Processing, 2019, 10, 73-95.	0.8	13
74	New Results in Perceptually Lossless Compression of Hyperspectral Images. Journal of Signal and Information Processing, 2019, 10, 96-124.	0.8	7
75	Perceptually Lossless Compression for Mastcam Multispectral Images: A Comparative Study. Journal of Signal and Information Processing, 2019, 10, 139-166.	0.8	3
76	Deep Learning Based Target Tracking and Classification for Infrared Videos Using Compressive Measurements. Journal of Signal and Information Processing, 2019, 10, 167-199.	0.8	13
77	Compression Algorithm Selection for Multispectral Mastcam Images. Signal and Image Processing: an International Journal, 2019, 10, 01-14.	0.2	7
78	Deep Learning Based Target Tracking and Classification Directly in Compressive Measurement for Low Quality Videos. Signal and Image Processing: an International Journal, 2019, 10, 9-29.	0.2	7
79	Perceptually Lossless Compression with Error Concealment for Periscope and Sonar Videos. Signal and Image Processing: an International Journal, 2019, 10, 01-14.	0.2	0
80	Remote vapor detection and classification using hyperspectral images. , 2019, , .		2
81	Development of a pipeline for generating high resolution multispectral Mastcam images. , 2019, , .		1
82	Object Tracking and Classification in Videos Using Compressive Measurements. , 2019, , .		0
83	Practical Issues in Contingency Planning for UAVs with Engine Failures. , 2019, , .		0
84	Searching for Evidence of Scientific News in Scholarly Big Data. , 2019, , .		2
85	Time-Constrained Extremal Trajectory Design for Fixed-Wing Unmanned Aerial Vehicles in Steady Wind. Journal of Guidance, Control, and Dynamics, 2018, 41, 1569-1576.	1.6	7
86	Hyperspectral Anomaly Detection Through Spectral Unmixing and Dictionary-Based Low-Rank Decomposition. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 4391-4405.	2.7	149
87	Demosaicing enhancement using pixel-level fusion. Signal, Image and Video Processing, 2018, 12, 749-756.	1.7	18
88	Image Resolution Enhancement for Remote Sensing Applications. , 2018, , .		7
89	Path Planning for UAVs with Engine Failure in the Presence of Winds. , 2018, , .		6
90	A Comparative Study of Two Approaches for UAV Emergency Landing Site Surface Type Estimation. , 2018, , .		5

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91	Unconditionally Secure Control and Diagnostic Systems. , 2018, , .		0
92	A Super-Resolution and Fusion Approach to Enhancing Hyperspectral Images. Remote Sensing, 2018, 10, 1416.	1.8	63
93	Perceptually Lossless Image Compression with Error Recovery. , 2018, , .		6
94	Extracting Gait Characteristics from Micro-Doppler Features. , 2018, , .		1
95	Enhancing Stereo Image Formation and Depth Map Estimation for Mastcam Images. , 2018, , .		9
96	Deep Learning with Synthetic Hyperspectral Images for Improved Soil Detection in Multispectral Imagery. , 2018, , .		15
97	Compressive Vehicle Tracking Using Deep Learning. , 2018, , .		14
98	Perceptually Lossless Compression for Mastcam Images. , 2018, , .		10
99	Stereo Image and Depth Map Generation for Images with Different Views and Resolutions. , 2018, , .		4
100	Mars Surface Mineral Abundance Estimation Using THEMIS and TES Images. , 2018, , .		4
101	Combining Satellite Images with Feature Indices for Improved Change Detection. , 2018, , .		13
102	Low Cost and Unconditionally Secure Communications for Complex UAS Networks. , 2018, , .		2
103	Remote Sensing Performance Enhancement in Hyperspectral Images. Sensors, 2018, 18, 3598.	2.1	17
104	Unsupervised Sparse Dirichlet-Net for Hyperspectral Image Super-Resolution. , 2018, , .		151
105	A Target Localization Framework in MIMO Radar Using Bandwidth Synthesis Technique and Direction of Arrival (DOA) Information. , 2018, , .		1
106	Perceptually Lossless Video Compression with Error Concealment. , 2018, , .		5
107	Unpowered Wireless Ultrasound Generation and Sensing for Structural Health Monitoring of Composites. , 2018, , .		0
108	High Performance Remaining Useful Life Prediction for Gearbox. , 2018, , .		1

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109	Adaptive Remaining Useful Life Prediction Algorithm for Bearings. , 2018, , .		15
110	A High Performance Contingency Planning System for UAVs with Lost Communication. , 2018, , .		8
111	Missing Link Prediction in Social Networks. Lecture Notes in Computer Science, 2018, , 346-354.	1.0	7
112	Tracking of Multiple Pixel Targets Using Multiple Cameras. Lecture Notes in Computer Science, 2018, , 484-493.	1.0	7
113	A Comparative Study of Spatial Speech Separation Techniques to Improve Speech Recognition. Lecture Notes in Computer Science, 2018, , 494-502.	1.0	0
114	Hybrid Sensor Network Data Compression with Error Resiliency. , 2018, , .		6
115	High Performance Video Codec with Error Concealment. , 2018, , .		3
116	Objective Performance Evaluation of Several State-of-the-Art Audio Codecs. , 2018, , .		2
117	A Hybrid Approach for Wind Tunnel Data Compression. , 2018, , .		5
118	Assessment of Spatiotemporal Fusion Algorithms for Planet and Worldview Images. Sensors, 2018, 18, 1051.	2.1	35
119	A Hybrid Color Mapping Approach to Fusing MODIS and Landsat Images for Forward Prediction. Remote Sensing, 2018, 10, 520.	1.8	51
120	A New Pansharping Approach for Hyperspectral Images. , 2018, , .		1
121	High performance change detection in hyperspectral images using multiple references. , 2018, , .		1
122	The development of a video browsing and video summary review tool. , 2018, , .		7
123	High performance image completion using sparsity based algorithms. , 2018, , .		3
124	Efficient anomaly detection algorithms for summarizing low quality videos. , 2018, , .		6
125	Robust Speaker Identification Algorithms and Results in Noisy Environments. Lecture Notes in Computer Science, 2018, , 443-450.	1.0	1
126	Anomaly detection in low quality traffic monitoring videos using optical flow. , 2018, , .		4

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127	ATR performance improvement using images with corrupted or missing pixels. , 2018, , .		0
128	A new nonlinear change detection approach based on band ratioing. , 2018, , .		0
129	On the generation of high-spatial and high-spectral resolution images using THEMIS and TES for Mars exploration. , 2018, , .		5
130	On the use of radiance domain for burn scar detection under varying atmospheric illumination conditions and viewing geometry. Signal, Image and Video Processing, 2017, 11, 605-612.	1.7	19
131	Blind Quality Assessment of Fused WorldView-3 Images by Using the Combinations of Pansharpening and Hypersharpening Paradigms. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 1835-1839.	1.4	87
132	A Novel Utilization of Image Registration Techniques to Process Mastcam Images in Mars Rover With Applications to Image Fusion, Pixel Clustering, and Anomaly Detection. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 4553-4564.	2.3	62
133	Unconditionally Secure Credit/Debit Card Chip Scheme and Physical Unclonable Function. Fluctuation and Noise Letters, 2017, 16, 1750002.	1.0	18
134	Resolution enhancement for hyperspectral images: A super-resolution and fusion approach. , 2017, , .		29
135	New sparsity based pansharpening algorithms for hyperspectral images. , 2017, , .		12
136	Debayering RGBW color filter arrays: A pansharpening approach. , 2017, , .		8
137	Mastcam image enhancement using estimated point spread functions. , 2017, , .		13
138	A comparative study of several supervised target detection algorithms for hyperspectral images. , 2017, , .		2
139	A joint sparsity approach to tunnel activity monitoring using high resolution satellite images. , 2017, , .		24
140	Deep learning for effective detection of excavated soil related to illegal tunnel activities. , 2017, , .		19
141	DOES multispectral / hyperspectral pansharpening improve the performance of anomaly detection?. , 2017, , .		43
142	Fusion of themis and TES for accurate Mars surface characterization. , 2017, , .		11
143	Pansharpening of Mastcam images. , 2017, , .		23
144	Application of Deep Belief Network to Land Cover Classification Using Hyperspectral Images. Lecture Notes in Computer Science, 2017, , 269-276.	1.0	13

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145	Improved target detection for hyperspectral images using hybrid in-scene calibration. Journal of Applied Remote Sensing, 2017, 11, 1.	0.6	20
146	A Novel Approach to Sensor and Actuator Integrity Monitoring and Fault Magnitude Reconstruction. Advances in Science, Technology and Engineering Systems, 2017, 2, 1748-1757.	0.4	1
147	Recent Advances in Remote Spectral Sensing. Journal of Sensors, 2016, 2016, 1-2.	0.6	4
148	Hyperspectral image super-resolution: a hybrid color mapping approach. Journal of Applied Remote Sensing, 2016, 10, 035024.	0.6	56
149	Anomaly detection in hyperspectral images through spectral unmixing and low rank decomposition. , 2016, , .		40
150	A novel approach to sensor and actuator integrity monitoring. , 2016, , .		3
151	A high performance approach to local active noise reduction. , 2016, , .		0
152	A Novel Cluster Kernel RX Algorithm for Anomaly and Change Detection Using Hyperspectral Images. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 6497-6504.	2.7	181
153	Burn scar detection using cloudy MODIS images via low-rank and sparsity-based models. , 2016, , .		23
154	Identify anomaly component by sparsity and low rank. , 2015, , .		18
155	Low-rank tensor decomposition based anomaly detection for hyperspectral imagery. , 2015, , .		67
156	Revisiting the preprocessing procedures for elemental concentration estimation based on chemcam libs on mars rover. , 2014, , .		17
157	A Novel and Effective Multivariate Method for Compositional Analysis using Laser Induced Breakdown Spectroscopy. IOP Conference Series: Earth and Environmental Science, 2014, 17, 012208.	0.2	7
158	Fluctuation enhanced sensing (FES) with a nanostructured, semiconducting metal oxide film for gas detection and classification. Sensors and Actuators B: Chemical, 2013, 188, 651-660.	4.0	39
159	PHYSICAL UNCLONABLE FUNCTION HARDWARE KEYS UTILIZING KIRCHHOFF-LAW-JOHNSON-NOISE SECURE KEY EXCHANGE AND NOISE-BASED LOGIC. Fluctuation and Noise Letters, 2013, 12, 1350018.	1.0	26
160	ACCURACY VERSUS SPEED IN FLUCTUATION-ENHANCED SENSING. Fluctuation and Noise Letters, 2012, 11, 1250010.	1.0	4
161	A high-performance approach to minimizing interactions between inbound and outbound signals in helmet. , 2012, , .		0
162	High-Performance Arcing-Fault Location in Distribution Networks. IEEE Transactions on Industry Applications, 2012, 48, 1107-1114.	3.3	17

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163	A novel and comprehensive compressive sensing-based system for data compression. , 2012, , .		4
164	Fluctuation-Enhanced Sensing for Biological Agent Detection and Identification. IEEE Nanotechnology Magazine, 2011, 10, 1238-1242.	1.1	12
165	High performance arcing fault localization in distribution networks. , 2011, , .		0
166	Comparison of three radar systems for through-the-wall sensing. , 2011, , .		2
167	Locating short-circuit faults in underground networks. , 2011, , .		3
168	Endmember extraction in hyperspectral images using l-1 minimization and linear complementary programming. Proceedings of SPIE, 2010, , .	0.8	11
169	Fluctuation-Enhanced Sensing With Zero-Crossing Analysis for High-Speed and Low-Power Applications. IEEE Sensors Journal, 2010, 10, 492-497.	2.4	9
170	Detection and Severity Classification of Rotor Imbalance Faults in Induction Machines. , 2010, , .		1
171	Chemical Agent Detection Using GC-IMS: A Comparative Study. IEEE Sensors Journal, 2010, 10, 451-460.	2.4	16
172	Binary Fingerprints at Fluctuation-Enhanced Sensing. Sensors, 2010, 10, 361-373.	2.1	15
173	Wireless health monitoring system for vibration detection of induction motors. , 2010, , .		31
174	Separating Chemical Signals of Adsorption" Desorption and Diffusive Processes. IEEE Sensors Journal, 2010, 10, 461-464.	2.4	2
175	Real-time system condition monitoring using wireless sensors. , 2009, , .		13
176	Fluctuation-enhanced sensing of bacterium odors. Sensors and Actuators B: Chemical, 2009, 142, 429-434.	4.0	17
177	A Novel Approach for Arcing Fault Detection for Medium-/Low-Voltage Switchgear. IEEE Transactions on Industry Applications, 2009, 45, 1475-1483.	3.3	12
178	Mechanical fault diagnosis using wireless sensor networks and a two-stage neural network classifier. , 2009, , .		10
179	A Study of the Partially Adaptive Concentric Ring"Array. Circuits, Systems, and Signal Processing, 2008, 27, 733-748.	1.2	6
180	E-Nose Vapor Identification Based on Dempster"Shafer Fusion of Multiple Classifiers. IEEE Transactions on Instrumentation and Measurement, 2008, 57, 2273-2282.	2.4	24

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181	Advanced Agent Identification With Fluctuation-Enhanced Sensing. IEEE Sensors Journal, 2008, 8, 706-713.	2.4	42
182	Speech separation algorithms for multiple speaker environments. , 2008, , .		7
183	Enhanced speech in noisy multiple speaker environment. , 2008, , .		6
184	THEORY AND TECHNIQUES FOR VIBRATION-INDUCED CONDUCTIVITY FLUCTUATION TESTING OF SOILS. Fluctuation and Noise Letters, 2008, 08, L125-L140.	1.0	2
185	An integrated approach to robust speaker identification and speech recognition. , 2008, , .		2
186	Fluctuation-Enhanced Sensing: Status and Perspectives. IEEE Sensors Journal, 2008, 8, 714-719.	2.4	23
187	Flight Control Using Synthetic Jets on a Cessna 182 Model. Journal of Aircraft, 2007, 44, 642-653.	1.7	59
188	Novel Applications of Noise in Sensing and Communications. AIP Conference Proceedings, 2007, , .	0.3	0
189	An Enhanced Prognostic Model for Intermittent Failures in Digital Electronics. , 2007, , .		26
190	Active health monitoring of an aircraft wing with embedded piezoelectric sensor/actuator network: I. Defect detection, localization and growth monitoring. Smart Materials and Structures, 2007, 16, 1208-1217.	1.8	580
191	An Adaptive Markov Game Model for Threat Intent Inference. , 2007, , .		3
192	Active health monitoring of an aircraft wing with an embedded piezoelectric sensor/actuator network: II. Wireless approaches. Smart Materials and Structures, 2007, 16, 1218-1225.	1.8	123
193	A Portable Ultrasonic Nondestructive Inspection System for Metal Matrix Composite Track Shoes. AIP Conference Proceedings, 2007, , .	0.3	1
194	A Maximum Entropy Based Approach to Fault Diagnosis Using Discrete and Continuous Features. , 2007, , 438-443.		0
195	Comparison of several ballistic target tracking filters. , 2006, , .		11
196	IMM-LMMSE filtering algorithm for ballistic target tracking with unknown ballistic coefficient. , 2006, , .		14
197	Game-Theoretic Modeling and Control of Military Air Operations with Civilian Players. , 2006, , .		4
198	Game Theoretic Approach to Threat Prediction and Situation Awareness. , 2006, , .		65

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199	3-D array pattern synthesis with frequency Invariant property for concentric ring array. IEEE Transactions on Signal Processing, 2006, 54, 780-784.	3.2	28
200	A Maximum Entropy Based Approach to Fault Diagnosis Using Discrete and Continuous Features. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 438-443.	0.4	1
201	An Automated Acoustic System to Monitor and Classify Birds. Eurasip Journal on Advances in Signal Processing, 2006, 2006, 1.	1.0	34
202	A novel approach for spectral unmixing, classification, and concentration estimation of chemical and biological agents. IEEE Transactions on Geoscience and Remote Sensing, 2006, 44, 409-419.	2.7	82
203	A Complete Image Compression Scheme Based on Overlapped Block Transform with Post-Processing. Eurasip Journal on Advances in Signal Processing, 2006, 2006, 1.	1.0	19
204	Application of Support Vector Machines to Vapor Detection and Classification for Environmental Monitoring of Spacecraft. Lecture Notes in Computer Science, 2006, , 1216-1222.	1.0	7
205	Speaker Identification and Speech Recognition Using Phased Arrays. Lecture Notes in Computer Science, 2006, , 227-238.	1.0	9
206	A Generic Approach to Object Matching and Tracking. Lecture Notes in Computer Science, 2006, , 839-849.	1.0	6
207	A Novel Approach to Corona Monitoring. Lecture Notes in Computer Science, 2005, , 494-500.	1.0	3
208	An Improved Optimal Pairwise Coupling Classifier. Lecture Notes in Computer Science, 2005, , 32-38.	1.0	1
209	In-Line Nondestructive Inspection of Mechanical Dents on Pipelines With Guided Shear Horizontal Wave Electromagnetic Acoustic Transducers. Journal of Pressure Vessel Technology, Transactions of the ASME, 2005, 127, 304-309.	0.4	23
210	Integrated High-Speed Intelligent Utility Tie Unit for Disbursed/Renewable Generation Facilities. IEEE Transactions on Industry Applications, 2005, 41, 507-513.	3.3	35
211	Adaptive cooperative path planning for multiple platforms. , 2005, , .		7
212	Voice driven applications in non-stationary and chaotic environment. , 2005, , .		1
213	A Game Theoretic Approach to Mission Planning for Multiple Aerial Platforms. , 2005, , .		6
214	A Novel Cooperative Path Planning for Multiple Aerial Platforms. , 2005, , .		5
215	Mitigation of chatter instabilities in milling by active structural control. Journal of Sound and Vibration, 2004, 269, 197-211.	2.1	121
216	A Note on Simultaneous Isolation of Sensor and Actuator Faults. IEEE Transactions on Control Systems Technology, 2004, 12, 183-192.	3.2	34

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217	Fault tolerant formation flight control of UAVs. International Journal of Vehicle Autonomous Systems, 2004, 2, 217.	0.2	26
218	Toxic Vapor Classification and Concentration Estimation for Space Shuttle and International Space Station. Lecture Notes in Computer Science, 2004, , 543-551.	1.0	6
219	Design and implementation of industrial neural network controller using backstepping. IEEE Transactions on Industrial Electronics, 2003, 50, 193-201.	5.2	68
220	Robust Isolation Of Sensor Failures. Asian Journal of Control, 2003, 5, 12-23.	1.9	30
221	<title>On the use of active structural control to enhance the cutting performance of a milling machine</title>. , 2002, , .		1
222	Correction to "Further results on variable output feedback controller". IEEE Transactions on Automatic Control, 2001, 46, 1677-1677.	3.6	1
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