

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
g-index

275
all docs

275
docs citations

275
times ranked

3626
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Robust backstepping control of nonlinear systems using neural networks. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2000, 30, 753-766.	3.4	385
3	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
4	Robust backstepping control of induction motors using neural networks. IEEE Transactions on Neural Networks, 2000, 11, 1178-1187.	4.8	151
5	Unsupervised Sparse Dirichlet-Net for Hyperspectral Image Super-Resolution. , 2018, , .		151
6	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
7	Robust neural-network control of rigid-link electrically driven robots. IEEE Transactions on Neural Networks, 1998, 9, 581-588.	4.8	123
8	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
9	Mitigation of chatter instabilities in milling by active structural control. Journal of Sound and Vibration, 2004, 269, 197-211.	2.1	121
10	Sliding mode control of linear systems with mismatched uncertainties. Automatica, 1995, 31, 303-307.	3.0	87
11	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
12	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
13	On variable structure output feedback controllers. IEEE Transactions on Automatic Control, 1996, 41, 1691-1693.	3.6	70
14	Further results on variable output feedback controllers. IEEE Transactions on Automatic Control, 2001, 46, 1505-1508.	3.6	69
15	Design and implementation of industrial neural network controller using backstepping. IEEE Transactions on Industrial Electronics, 2003, 50, 193-201.	5.2	68
16	Low-rank tensor decomposition based anomaly detection for hyperspectral imagery. , 2015, , .		67
17	Game Theoretic Approach to Threat Prediction and Situation Awareness. , 2006, , .		65
18	A Super-Resolution and Fusion Approach to Enhancing Hyperspectral Images. Remote Sensing, 2018, 10, 1416.	1.8	63

#	ARTICLE	IF	CITATIONS
19	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
20	Flight Control Using Synthetic Jets on a Cessna 182 Model. Journal of Aircraft, 2007, 44, 642-653.	1.7	59
21	Hyperspectral image super-resolution: a hybrid color mapping approach. Journal of Applied Remote Sensing, 2016, 10, 035024.	0.6	56
22	Unsupervised Pansharpening Based on Self-Attention Mechanism. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 3192-3208.	2.7	55
23	Tree, Shrub, and Grass Classification Using Only RGB Images. Remote Sensing, 2020, 12, 1333.	1.8	53
24	Vegetation Detection Using Deep Learning and Conventional Methods. Remote Sensing, 2020, 12, 2502.	1.8	52
25	A Hybrid Color Mapping Approach to Fusing MODIS and Landsat Images for Forward Prediction. Remote Sensing, 2018, 10, 520.	1.8	51
26	An integrated approach to bearing fault diagnostics and prognostics. , 0, , .		47
27	Deep Learning for Land Cover Classification Using Only a Few Bands. Remote Sensing, 2020, 12, 2000.	1.8	44
28	DOES multispectral / hyperspectral pansharpening improve the performance of anomaly detection?. , 2017, , .		43
29	Advanced Agent Identification With Fluctuation-Enhanced Sensing. IEEE Sensors Journal, 2008, 8, 706-713.	2.4	42
30	Anomaly detection in hyperspectral images through spectral unmixing and low rank decomposition. , 2016, , .		40
31	A unifying design of sliding mode and classical controllers. IEEE Transactions on Automatic Control, 1993, 38, 1422-1427.	3.6	39
32	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
33	Methods and Challenges Using Multispectral and Hyperspectral Images for Practical Change Detection Applications. Information (Switzerland), 2019, 10, 353.	1.7	36
34	Hybrid force/position control for manipulators with motor dynamics using a sliding-adaptive approach. IEEE Transactions on Automatic Control, 1995, 40, 963-968.	3.6	35
35	Integrated High-Speed Intelligent Utility Tie Unit for Disbursed/Renewable Generation Facilities. IEEE Transactions on Industry Applications, 2005, 41, 507-513.	3.3	35
36	Assessment of Spatiotemporal Fusion Algorithms for Planet and Worldview Images. Sensors, 2018, 18, 1051.	2.1	35

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37	A Note on Simultaneous Isolation of Sensor and Actuator Faults. IEEE Transactions on Control Systems Technology, 2004, 12, 183-192.	3.2	34
38	A neural network based approach to adaptive fault tolerant flight control. , 0, , .		34
39	An Automated Acoustic System to Monitor and Classify Birds. Eurasip Journal on Advances in Signal Processing, 2006, 2006, 1.	1.0	34
40	Robust spacecraft attitude control using adaptive fuzzy logic. International Journal of Systems Science, 2000, 31, 1217-1225.	3.7	33
41	An Accurate Vegetation and Non-Vegetation Differentiation Approach Based on Land Cover Classification. Remote Sensing, 2020, 12, 3880.	1.8	32
42	Robust adaptive control of revolute flexible-joint manipulators using sliding technique. Systems and Control Letters, 1993, 20, 279-288.	1.3	31
43	Wireless health monitoring system for vibration detection of induction motors. , 2010, , .		31
44	Modeling and intelligent chatter control strategies for a lathe machine. Control Engineering Practice, 1996, 4, 1647-1658.	3.2	30
45	Robust Isolation Of Sensor Failures. Asian Journal of Control, 2003, 5, 12-23.	1.9	30
46	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
47	Resolution enhancement for hyperspectral images: A super-resolution and fusion approach. , 2017, , .		29
48	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
49	Performance of Change Detection Algorithms Using Heterogeneous Images and Extended Multi-attribute Profiles (EMAPs). Remote Sensing, 2019, 11, 2377.	1.8	27
50	Fault tolerant formation flight control of UAVs. International Journal of Vehicle Autonomous Systems, 2004, 2, 217.	0.2	26
51	An Enhanced Prognostic Model for Intermittent Failures in Digital Electronics. , 2007, , .		26
52	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
53	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
54	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

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55	Deep Learning-Based Target Tracking and Classification for Low Quality Videos Using Coded Aperture Cameras. <i>Sensors</i> , 2019, 19, 3702.	2.1	25
56	Robust adaptive force/motion control of constrained robots. <i>IET Control Theory and Applications</i> , 1996, 143, 103-109.	1.7	24
57	E-Nose Vapor Identification Based on Dempster-Shafer Fusion of Multiple Classifiers. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2008, 57, 2273-2282.	2.4	24
58	A joint sparsity approach to tunnel activity monitoring using high resolution satellite images. , 2017, , .		24
59	In-Line Nondestructive Inspection of Mechanical Dents on Pipelines With Guided Shear Horizontal Wave Electromagnetic Acoustic Transducers. <i>Journal of Pressure Vessel Technology, Transactions of the ASME</i> , 2005, 127, 304-309.	0.4	23
60	Fluctuation-Enhanced Sensing: Status and Perspectives. <i>IEEE Sensors Journal</i> , 2008, 8, 714-719.	2.4	23
61	Burn scar detection using cloudy MODIS images via low-rank and sparsity-based models. , 2016, , .		23
62	Pansharping of Mastcam images. , 2017, , .		23
63	Improving Land Cover Classification Using Extended Multi-Attribute Profiles (EMAP) Enhanced Color, Near Infrared, and LiDAR Data. <i>Remote Sensing</i> , 2020, 12, 1392.	1.8	23
64	Real-Time and Deep Learning Based Vehicle Detection and Classification Using Pixel-Wise Code Exposure Measurements. <i>Electronics (Switzerland)</i> , 2020, 9, 1014.	1.8	23
65	Comparison of novelty detection methods for multispectral images in rover-based planetary exploration missions. <i>Data Mining and Knowledge Discovery</i> , 2020, 34, 1642-1675.	2.4	23
66	Semi-Automated Emergency Landing Site Selection Approach for UAVs. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2019, 55, 1892-1906.	2.6	22
67	Unsupervised and Unregistered Hyperspectral Image Super-Resolution With Mutual Dirichlet-Net. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-18.	2.7	21
68	Adaptive control of induction motors without flux measurements. <i>Automatica</i> , 1996, 32, 903-908.	3.0	20
69	A Hierarchical Approach To Multi-Player Pursuit-Evasion Differential Games. , 0, , .		20
70	Improved target detection for hyperspectral images using hybrid in-scene calibration. <i>Journal of Applied Remote Sensing</i> , 2017, 11, 1.	0.6	20
71	Robust force/motion control of constrained robots using neural network. <i>Journal of Field Robotics</i> , 1999, 16, 697-714.	0.7	19
72	A Complete Image Compression Scheme Based on Overlapped Block Transform with Post-Processing. <i>Eurasip Journal on Advances in Signal Processing</i> , 2006, 2006, 1.	1.0	19

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73	On the use of radiance domain for burn scar detection under varying atmospheric illumination conditions and viewing geometry. <i>Signal, Image and Video Processing</i> , 2017, 11, 605-612.	1.7	19
74	Deep learning for effective detection of excavated soil related to illegal tunnel activities. , 2017, , .		19
75	Target tracking and classification using compressive sensing camera for SWIR videos. <i>Signal, Image and Video Processing</i> , 2019, 13, 1629-1637.	1.7	19
76	Identify anomaly componentbysparsity and low rank. , 2015, , .		18
77	Unconditionally Secure Credit/Debit Card Chip Scheme and Physical Unclonable Function. <i>Fluctuation and Noise Letters</i> , 2017, 16, 1750002.	1.0	18
78	Demosaicing enhancement using pixel-level fusion. <i>Signal, Image and Video Processing</i> , 2018, 12, 749-756.	1.7	18
79	Flood Detection Using Multi-Modal and Multi-Temporal Images: A Comparative Study. <i>Remote Sensing</i> , 2020, 12, 2455.	1.8	18
80	Fluctuation-enhanced sensing of bacterium odors. <i>Sensors and Actuators B: Chemical</i> , 2009, 142, 429-434.	4.0	17
81	High-Performance Arcing-Fault Location in Distribution Networks. <i>IEEE Transactions on Industry Applications</i> , 2012, 48, 1107-1114.	3.3	17
82	Revisiting the preprocessing procedures for elemental concentration estimation based on chemcam libs on mars rover. , 2014, , .		17
83	Remote Sensing Performance Enhancement in Hyperspectral Images. <i>Sensors</i> , 2018, 18, 3598.	2.1	17
84	Sliding control using output feedback. <i>Journal of Guidance, Control, and Dynamics</i> , 1996, 19, 731-733.	1.6	16
85	An Intelligent Hierarchical Approach to Actuator Fault Diagnosis and Accommodation. , 0, , .		16
86	Chemical Agent Detection Using GC-IMS: A Comparative Study. <i>IEEE Sensors Journal</i> , 2010, 10, 451-460.	2.4	16
87	Converting Optical Videos to Infrared Videos Using Attention GAN and Its Impact on Target Detection and Classification Performance. <i>Remote Sensing</i> , 2021, 13, 3257.	1.8	16
88	Real-time infrared image detail enhancement based on fast guided image filter and plateau equalization. <i>Applied Optics</i> , 2020, 59, 6407.	0.9	16
89	Robust adaptive control of induction motors. <i>International Journal of Control</i> , 1997, 67, 539-552.	1.2	15
90	Binary Fingerprints at Fluctuation-Enhanced Sensing. <i>Sensors</i> , 2010, 10, 361-373.	2.1	15

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91	Deep Learning with Synthetic Hyperspectral Images for Improved Soil Detection in Multispectral Imagery. , 2018, , .		15
92	Adaptive Remaining Useful Life Prediction Algorithm for Bearings. , 2018, , .		15
93	Detection and Confirmation of Multiple Human Targets Using Pixel-Wise Code Aperture Measurements. Journal of Imaging, 2020, 6, 40.	1.7	15
94	IMM-LMMSE filtering algorithm for ballistic target tracking with unknown ballistic coefficient. , 2006, , .		14
95	Compressive Vehicle Tracking Using Deep Learning. , 2018, , .		14
96	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
97	Real-time adaptive on-line traffic incident detection. Fuzzy Sets and Systems, 1998, 93, 173-183.	1.6	13
98	Real-time system condition monitoring using wireless sensors. , 2009, , .		13
99	Mastcam image enhancement using estimated point spread functions. , 2017, , .		13
100	Combining Satellite Images with Feature Indices for Improved Change Detection. , 2018, , .		13
101	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
102	Comparison of Deep Learning and Conventional Demosaicing Algorithms for Mastcam Images. Electronics (Switzerland), 2019, 8, 308.	1.8	13
103	Application of Deep Belief Network to Land Cover Classification Using Hyperspectral Images. Lecture Notes in Computer Science, 2017, , 269-276.	1.0	13
104	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
105	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
106	A note on Kalman filtering. IEEE Transactions on Education, 1999, 42, 225-227.	2.0	12
107	A Novel Approach for Arcing Fault Detection for Medium-/Low-Voltage Switchgear. IEEE Transactions on Industry Applications, 2009, 45, 1475-1483.	3.3	12
108	Fluctuation-Enhanced Sensing for Biological Agent Detection and Identification. IEEE Nanotechnology Magazine, 2011, 10, 1238-1242.	1.1	12

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109	New sparsity based pansharpening algorithms for hyperspectral images. , 2017, , .		12
110	A Comparison of Compression Codecs for Maritime and Sonar Images in Bandwidth Constrained Applications. Computers, 2019, 8, 32.	2.1	12
111	A New Approach to Change Detection Using Heterogeneous Images. , 2019, , .		12
112	Comparison of several ballistic target tracking filters. , 2006, , .		11
113	Endmember extraction in hyperspectral images using l-1 minimization and linear complementary programming. Proceedings of SPIE, 2010, , .	0.8	11
114	Fusion of themis and TES for accurate Mars surface characterization. , 2017, , .		11
115	Detection of Small Moving Objects in Long Range Infrared Videos from a Change Detection Perspective. Photonics, 2021, 8, 394.	0.9	11
116	Compressive object tracking and classification using deep learning for infrared videos. , 2019, , .		11
117	Mechanical fault diagnosis using wireless sensor networks and a two-stage neural network classifier. , 2009, , .		10
118	Perceptually Lossless Compression for Mastcam Images. , 2018, , .		10
119	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
120	Mastcam Image Resolution Enhancement with Application to Disparity Map Generation for Stereo Images with Different Resolutions. Sensors, 2019, 19, 3526.	2.1	10
121	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
122	Deep Learning for Effective Refugee Tent Extraction Near Syriaâ€“Jordan Border. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 1342-1346.	1.4	10
123	A novel partial adaptive broad-band beamformer using concentric ring array. , 0, , .		9
124	Fluctuation-Enhanced Sensing With Zero-Crossing Analysis for High-Speed and Low-Power Applications. IEEE Sensors Journal, 2010, 10, 492-497.	2.4	9
125	Enhancing Stereo Image Formation and Depth Map Estimation for Mastcam Images. , 2018, , .		9
126	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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127	Speaker Identification and Speech Recognition Using Phased Arrays. Lecture Notes in Computer Science, 2006, , 227-238.	1.0	9
128	Target tracking and classification directly in compressive measurement for low quality videos. , 2019, , .		9
129	Active chatter control in a milling machine. , 1997, 3044, 281.		8
130	Debayering RGBW color filter arrays: A pansharping approach. , 2017, , .		8
131	A High Performance Contingency Planning System for UAVs with Lost Communication. , 2018, , .		8
132	Practical Considerations in Unsupervised Change Detection Using SAR Images. , 2019, , .		8
133	Video Activity Recognition With Varying Rhythms. IEEE Access, 2020, 8, 191997-192008.	2.6	8
134	Perceptually lossless compression of Mastcam images with error recovery. , 2019, , .		8
135	Design of broad-band circular ring microphone array for speech acquisition in 3-D. , 0, , .		7
136	Adaptive cooperative path planning for multiple platforms. , 2005, , .		7
137	Speech separation algorithms for multiple speaker environments. , 2008, , .		7
138	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
139	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
140	Image Resolution Enhancement for Remote Sensing Applications. , 2018, , .		7
141	Missing Link Prediction in Social Networks. Lecture Notes in Computer Science, 2018, , 346-354.	1.0	7
142	Tracking of Multiple Pixel Targets Using Multiple Cameras. Lecture Notes in Computer Science, 2018, , 484-493.	1.0	7
143	Multiple Human Objects Tracking and Classification Directly in Compressive Measurement Domain for Long Range Infrared Videos. , 2019, , .		7
144	Demosaicing of CFA 3.0 with Applications to Low Lighting Images. Sensors, 2020, 20, 3423.	2.1	7

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145	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
146	The development of a video browsing and video summary review tool. , 2018, , .		7
147	Demosaicing of Bayer and CFA 2.0 Patterns for Low Lighting Images. Electronics (Switzerland), 2019, 8, 1444.	1.8	7
148	New Results in Perceptually Lossless Compression of Hyperspectral Images. Journal of Signal and Information Processing, 2019, 10, 96-124.	0.8	7
149	Compression Algorithm Selection for Multispectral Mastcam Images. Signal and Image Processing: an International Journal, 2019, 10, 01-14.	0.2	7
150	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
151	Integrated high speed intelligent utility tie unit for disbursed/renewable generation facilities. , 0, , .		6
152	A Game Theoretic Approach to Mission Planning for Multiple Aerial Platforms. , 2005, , .		6
153	A Study of the Partially Adaptive Concentric Ring Array. Circuits, Systems, and Signal Processing, 2008, 27, 733-748.	1.2	6
154	Enhanced speech in noisy multiple speaker environment. , 2008, , .		6
155	Path Planning for UAVs with Engine Failure in the Presence of Winds. , 2018, , .		6
156	Perceptually Lossless Image Compression with Error Recovery. , 2018, , .		6
157	Hybrid Sensor Network Data Compression with Error Resiliency. , 2018, , .		6
158	Tracking and Classification of Multiple Human Objects Directly in Compressive Measurement Domain for Low Quality Optical Videos. , 2019, , .		6
159	A Generic Approach to Object Matching and Tracking. Lecture Notes in Computer Science, 2006, , 839-849.	1.0	6
160	Toxic Vapor Classification and Concentration Estimation for Space Shuttle and International Space Station. Lecture Notes in Computer Science, 2004, , 543-551.	1.0	6
161	Efficient anomaly detection algorithms for summarizing low quality videos. , 2018, , .		6
162	Change detection using Landsat and Worldview images. , 2019, , .		6

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163	Deep learning models for accurate vegetation classification using RGB image only. , 2020, , .		6
164	<title>SAR image compression using wavelets</title>. , 2001, 4391, 349.		5
165	A Novel Cooperative Path Planning for Multiple Aerial Platforms. , 2005, , .		5
166	A Comparative Study of Two Approaches for UAV Emergency Landing Site Surface Type Estimation. , 2018, , .		5
167	Perceptually Lossless Video Compression with Error Concealment. , 2018, , .		5
168	A Hybrid Approach for Wind Tunnel Data Compression. , 2018, , .		5
169	New Results in Change Detection Using Optical and Multispectral Images. , 2019, , .		5
170	Change Detection Using Original and Fused Landsat and Worldview Images. , 2019, , .		5
171	Deep Learning for Remote Sensing Image Super-Resolution. , 2019, , .		5
172	A new approach to solar flare prediction. Frontiers of Physics, 2020, 15, 1.	2.4	5
173	On the generation of high-spatial and high-spectral resolution images using THEMIS and TES for Mars exploration. , 2018, , .		5
174	Machine performance degradation monitoring using fuzzy CMAC. , 1997, , .		4
175	<title>Very low bit-rate video compression using wavelets</title>. , 2001, , .		4
176	Game-Theoretic Modeling and Control of Military Air Operations with Civilian Players. , 2006, , .		4
177	ACCURACY VERSUS SPEED IN FLUCTUATION-ENHANCED SENSING. Fluctuation and Noise Letters, 2012, 11, 1250010.	1.0	4
178	A novel and comprehensive compressive sensing-based system for data compression. , 2012, , .		4
179	Recent Advances in Remote Spectral Sensing. Journal of Sensors, 2016, 2016, 1-2.	0.6	4
180	Stereo Image and Depth Map Generation for Images with Different Views and Resolutions. , 2018, , .		4

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181	Mars Surface Mineral Abundance Estimation Using THEMIS and TES Images. , 2018, , .		4
182	High-performance concealment of defective pixel clusters in infrared imagers. Applied Optics, 2020, 59, 4081.	0.9	4
183	Anomaly detection in low quality traffic monitoring videos using optical flow. , 2018, , .		4
184	<title>New data clustering technique and its applications</title>. , 2001, , .		3
185	Beampattern synthesis for concentric circular ring array using MMSE design. , 0, , .		3
186	A Novel Approach to Corona Monitoring. Lecture Notes in Computer Science, 2005, , 494-500.	1.0	3
187	Artificial neural network based on-line partial discharge monitoring system for motors. , 0, , .		3
188	Bandwidth Constrained, Low Complexity Noncoherent CPM with ML Soft-Decision Differential Phase Detection. , 0, , .		3
189	An Adaptive Markov Game Model for Threat Intent Inference. , 2007, , .		3
190	Locating short-circuit faults in underground networks. , 2011, , .		3
191	A novel approach to sensor and actuator integrity monitoring. , 2016, , .		3
192	High Performance Video Codec with Error Concealment. , 2018, , .		3
193	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
194	High performance image completion using sparsity based algorithms. , 2018, , .		3
195	Fusion of landsat and worldview images. , 2019, , .		3
196	A Comparative Study of Sequence Tagging Methods for Domain Knowledge Entity Recognition in Biomedical Papers. , 2020, , .		3
197	Perceptually Lossless Compression for Mastcam Multispectral Images: A Comparative Study. Journal of Signal and Information Processing, 2019, 10, 139-166.	0.8	3
198	Practical Digital Terrain Model Extraction Using Image Inpainting Techniques. , 0, , .		3

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199	Comments on "A new method of switching surface design for multivariable variable structure system". IEEE Transactions on Automatic Control, 1995, 40, 1254-1255.	3.6	2
200	Generalized Partially Adaptive Concentric Ring Array. , 0, , .		2
201	Actuator Fault Diagnosis and Accommodation for Flight Safety. , 0, , .		2
202	THEORY AND TECHNIQUES FOR VIBRATION-INDUCED CONDUCTIVITY FLUCTUATION TESTING OF SOILS. Fluctuation and Noise Letters, 2008, 08, L125-L140.	1.0	2
203	An integrated approach to robust speaker identification and speech recognition. , 2008, , .		2
204	Separating Chemical Signals of Adsorption– Desorption and Diffusive Processes. IEEE Sensors Journal, 2010, 10, 461-464.	2.4	2
205	Comparison of three radar systems for through-the-wall sensing. , 2011, , .		2
206	A comparative study of several supervised target detection algorithms for hyperspectral images. , 2017, , .		2
207	Low Cost and Unconditionally Secure Communications for Complex UAS Networks. , 2018, , .		2
208	Objective Performance Evaluation of Several State-of-the-Art Audio Codecs. , 2018, , .		2
209	Comparing Video Activity Classifiers within a Novel Framework. Electronics (Switzerland), 2020, 9, 1545.	1.8	2
210	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
211	A New Blind Video Quality Metric for Assessing Different Turbulence Mitigation Algorithms. Electronics (Switzerland), 2021, 10, 2277.	1.8	2
212	A Brief Review of Some Interesting Mars Rover Image Enhancement Projects. Computers, 2021, 10, 111.	2.1	2
213	A comparative study of conventional and deep learning approaches for demosaicing Mastcam images. , 2019, , .		2
214	Remote vapor detection and classification using hyperspectral images. , 2019, , .		2
215	Searching for Evidence of Scientific News in Scholarly Big Data. , 2019, , .		2
216	Performance comparison of different inpainting algorithms for accurate DTM generation. , 2020, , .		2

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217	New Results on Small and Dim Infrared Target Detection. Sensors, 2021, 21, 7746.	2.1	2
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