

Edward J Delp

List of Publications by Year in descending order

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506
papers

12,653
citations

41258

49
h-index

53109

85
g-index

519
all docs

519
docs citations

519
times ranked

7021
citing authors

#	ARTICLE	IF	CITATIONS
1	Image Compression Using Block Truncation Coding. IRE Transactions on Communications Systems, 1979, 27, 1335-1342.	0.6	707
2	Digital watermarking: algorithms and applications. IEEE Signal Processing Magazine, 2001, 18, 33-46.	4.6	540
3	Perceptual watermarks for digital images and video. Proceedings of the IEEE, 1999, 87, 1108-1126.	16.4	496
4	Deepfake Video Detection Using Recurrent Neural Networks. , 2018, , .		435
5	The Use of Mobile Devices in Aiding Dietary Assessment and Evaluation. IEEE Journal on Selected Topics in Signal Processing, 2010, 4, 756-766.	7.3	284
6	New mobile methods for dietary assessment: review of image-assisted and image-based dietary assessment methods. Proceedings of the Nutrition Society, 2017, 76, 283-294.	0.4	237
7	Approaches to removing trans fats from the food supply in industrialized and developing countries. European Journal of Clinical Nutrition, 2009, 63, S50-S67.	1.3	220
8	Use of technology in children's dietary assessment. European Journal of Clinical Nutrition, 2009, 63, S50-S57.	1.3	206
9	First Steps Toward Camera Model Identification With Convolutional Neural Networks. IEEE Signal Processing Letters, 2017, 24, 259-263.	2.1	192
10	Evidence-Based Development of a Mobile Telephone Food Record. Journal of the American Dietetic Association, 2010, 110, 74-79.	1.3	180
11	A Two Stream Siamese Convolutional Neural Network for Person Re-identification. , 2017, , .		179
12	An iterative growing and pruning algorithm for classification tree design. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1991, 13, 163-174.	9.7	174
13	Advances in Digital Video Content Protection. Proceedings of the IEEE, 2005, 93, 171-183.	16.4	164
14	Impulsive noise suppression and background normalization of electrocardiogram signals using morphological operators. IEEE Transactions on Biomedical Engineering, 1989, 36, 262-273.	2.5	159
15	Novel Technologies for Assessing Dietary Intake: Evaluating the Usability of a Mobile Telephone Food Record Among Adults and Adolescents. Journal of Medical Internet Research, 2012, 14, e58.	2.1	140
16	Morphological operations for color image processing. Journal of Electronic Imaging, 1999, 8, 279.	0.5	138
17	On detecting dominant points. Pattern Recognition, 1991, 24, 441-451.	5.1	137
18	Detecting left ventricular endocardial and epicardial boundaries by digital two-dimensional echocardiography. IEEE Transactions on Medical Imaging, 1988, 7, 81-90.	5.4	129

#	ARTICLE	IF	CITATIONS
19	Multiple Hypotheses Image Segmentation and Classification With Application to Dietary Assessment. IEEE Journal of Biomedical and Health Informatics, 2015, 19, 377-388.	3.9	124
20	Wavelet based rate scalable video compression. IEEE Transactions on Circuits and Systems for Video Technology, 1999, 9, 109-122.	5.6	123
21	The EM/MPM algorithm for segmentation of textured images: analysis and further experimental results. IEEE Transactions on Image Processing, 2000, 9, 1731-1744.	6.0	118
22	Tampering Detection and Localization Through Clustering of Camera-Based CNN Features. , 2017, , .		118
23	An overview of multimedia content protection in consumer electronics devices. Signal Processing: Image Communication, 2001, 16, 681-699.	1.8	117
24	The connecting health and technology study: a 6-month randomized controlled trial to improve nutrition behaviours using a mobile food record and text messaging support in young adults. International Journal of Behavioral Nutrition and Physical Activity, 2016, 13, 52.	2.0	117
25	Segmentation of textured images using a multiresolution Gaussian autoregressive model. IEEE Transactions on Image Processing, 1999, 8, 408-420.	6.0	113
26	A New Human Identification Method: Sclera Recognition. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2012, 42, 571-583.	3.4	107
27	Partial shape recognition: a landmark-based approach. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1990, 12, 470-483.	9.7	98
28	The analysis of morphological filters with multiple structuring elements. Computer Vision, Graphics, and Image Processing, 1990, 50, 308-328.	1.1	90
29	A method for a fully automatic definition of coronary arterial edges from cineangiograms. IEEE Transactions on Medical Imaging, 1988, 7, 313-320.	5.4	87
30	Multiresolution detection of spiculated lesions in digital mammograms. IEEE Transactions on Image Processing, 2001, 10, 874-884.	6.0	87
31	A cost minimization approach to edge detection using simulated annealing. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1992, 14, 3-18.	9.7	86
32	Benchmarking of image watermarking algorithms for digital rights management. Proceedings of the IEEE, 2004, 92, 971-984.	16.4	78
33	Automated video program summarization using speech transcripts. IEEE Transactions on Multimedia, 2006, 8, 775-791.	5.2	78
34	Printer identification based on graylevel co-occurrence features for security and forensic applications. , 2005, , .		76
35	Image data compression using autoregressive time series models. Pattern Recognition, 1979, 11, 313-323.	5.1	74
36	Discontinuity preserving regularization of inverse visual problems. IEEE Transactions on Systems, Man, and Cybernetics, 1994, 24, 455-469.	0.9	74

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37	Watermark embedding: hiding a signal within a cover image. , 2001, 39, 102-108.		74
38	Forensic techniques for classifying scanner, computer generated and digital camera images. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	74
39	Deepfakes Detection with Automatic Face Weighting. , 2020, , .		74
40	A survey of forensic characterization methods for physical devices. Digital Investigation, 2006, 3, 17-28.	3.2	72
41	Combining global and local features for food identification in dietary assessment. , 2011, 2011, 1789-1792.		72
42	Rate Distortion Analysis of Motion Side Estimation in Wynerâ€™Ziv Video Coding. IEEE Transactions on Image Processing, 2007, 16, 98-113.	6.0	70
43	DeepSynth: Three-dimensional nuclear segmentation of biological images using neural networks trained with synthetic data. Scientific Reports, 2019, 9, 18295.	1.6	70
44	Edge linking by sequential search. Pattern Recognition, 1995, 28, 611-633.	5.1	69
45	Food image analysis: Segmentation, identification and weight estimation. , 2013, 2013, .		67
46	Error concealment in MPEG video streams over ATM networks. IEEE Journal on Selected Areas in Communications, 2000, 18, 1129-1144.	9.7	66
47	Two-Photon Imaging within the Murine Thorax without Respiratory and Cardiac Motion Artifact. American Journal of Pathology, 2011, 179, 75-82.	1.9	66
48	Printer and scanner forensics. IEEE Signal Processing Magazine, 2009, 26, 72-83.	4.6	65
49	Security of digital entertainment content from creation to consumption. Signal Processing: Image Communication, 2003, 18, 237-262.	1.8	64
50	Automatic computer processing of digital 2-dimensional echocardiograms. American Journal of Cardiology, 1983, 52, 384-389.	0.7	62
51	ViBE: A Compressed Video Database Structured for Active Browsing and Search. IEEE Transactions on Multimedia, 2004, 6, 103-118.	5.2	62
52	Scanner Identification Using Feature-Based Processing and Analysis. IEEE Transactions on Information Forensics and Security, 2009, 4, 123-139.	4.5	62
53	Reported Energy Intake Accuracy Compared to Doubly Labeled Water and Usability of the Mobile Food Record among Community Dwelling Adults. Nutrients, 2017, 9, 312.	1.7	62
54	Scanner identification using sensor pattern noise. , 2007, , .		61

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55	Volume estimation using food specific shape templates in mobile image-based dietary assessment. Proceedings of SPIE, 2011, 7873, 78730K.	0.8	60
56	The use of asymmetric numeral systems as an accurate replacement for Huffman coding. , 2015, , .		60
57	Analysis of food images: Features and classification. , 2014, 2014, 2744-2748.		59
58	Temporal Synchronization in Video Watermarking. IEEE Transactions on Signal Processing, 2004, 52, 3007-3022.	3.2	57
59	Camera Motion-Based Analysis of User Generated Video. IEEE Transactions on Multimedia, 2010, 12, 28-41.	5.2	57
60	Locating Objects Without Bounding Boxes. , 2019, , .		57
61	Attacks on lexical natural language steganography systems. , 2006, 6072, 97.		56
62	Connecting Health and Technology (CHAT): protocol of a randomized controlled trial to improve nutrition behaviours using mobile devices and tailored text messaging in young adults. BMC Public Health, 2012, 12, 477.	1.2	56
63	Comparison of Known Food Weights with Image-Based Portion-Size Automated Estimation and Adolescents' Self-Reported Portion Size. Journal of Diabetes Science and Technology, 2012, 6, 428-434.	1.3	55
64	How Willing Are Adolescents to Record Their Dietary Intake? The Mobile Food Record. JMIR MHealth and UHealth, 2015, 3, e47.	1.8	53
65	Technology-assisted dietary assessment. , 2008, 6814, 681411.		52
66	Single-View Food Portion Estimation Based on Geometric Models. , 2015, 2015, 385-390.		49
67	Multilevel graphics representation using block truncation coding. Proceedings of the IEEE, 1980, 68, 868-873.	16.4	48
68	Natural language watermarking. , 2005, 5681, 441.		47
69	Image-based food volume estimation. , 2013, 2013, 75-80.		43
70	Temporal Dietary Patterns Derived among the Adult Participants of the National Health and Nutrition Examination Survey 1999-2004 Are Associated with Diet Quality. Journal of the Academy of Nutrition and Dietetics, 2016, 116, 283-291.	0.4	43
71	A comparative cost function approach to edge detection. IEEE Transactions on Systems, Man, and Cybernetics, 1989, 19, 1337-1349.	0.9	41
72	Digital forensics [From the Guest Editors]. IEEE Signal Processing Magazine, 2009, 26, 14-15.	4.6	41

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73	A Novel Dietary Assessment Method to Measure a Healthy and Sustainable Diet Using the Mobile Food Record: Protocol and Methodology. <i>Nutrients</i> , 2015, 7, 5375-5395.	1.7	41
74	Signature-embedding in printed documents for security and forensic applications. , 2004, 5306, 455.		40
75	Merging dietary assessment with the adolescent lifestyle. <i>Journal of Human Nutrition and Dietetics</i> , 2014, 27, 82-88.	1.3	40
76	Three Dimensional Fluorescence Microscopy Image Synthesis and Segmentation. , 2018, , .		40
77	Satellite Image Forgery Detection and Localization Using GAN and One-Class Classifier. <i>IS&T International Symposium on Electronic Imaging</i> , 2018, 30, 214-1-214-9.	0.3	40
78	Adolescents in the United States can identify familiar foods at the time of consumption and when prompted with an image 14 h postprandial, but poorly estimate portions. <i>Public Health Nutrition</i> , 2011, 14, 1184-1191.	1.1	39
79	Feasibility and Use of the Mobile Food Record for Capturing Eating Occasions among Children Ages 3â€“10 Years in Guam. <i>Nutrients</i> , 2015, 7, 4403-4415.	1.7	39
80	A wavelet watermarking algorithm based on a tree structure. , 2004, 5306, 571.		38
81	An image analysis system for dietary assessment and evaluation. , 2010, , 1853-1856.		38
82	An Overview of the Technology Assisted Dietary Assessment Project at Purdue University. , 2010, , 290-295.		38
83	<title>Overview of image security techniques with applications in multimedia systems</title>. , 1998, , .		37
84	A Mobile Food Record For Integrated Dietary Assessment. , 2016, 2016, 53-62.		37
85	Segmentation-Based Video Compression Using Texture and Motion Models. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2011, 5, 1366-1377.	7.3	36
86	Effect of Fibre Supplementation on Body Weight and Composition, Frequency of Eating and Dietary Choice in Overweight Individuals. <i>Nutrients</i> , 2017, 9, 149.	1.7	36
87	Preferred Tone of Nutrition Text Messages for Young Adults: Focus Group Testing. <i>JMIR MHealth and UHealth</i> , 2016, 4, e1.	1.8	36
88	Filtering to remove cloud cover in satellite imagery. <i>IEEE Transactions on Geoscience Electronics</i> , 1977, 15, 137-141.	1.2	35
89	Personal dietary assessment using mobile devices. <i>Proceedings of SPIE</i> , 2009, 7246, .	0.8	35
90	Model-based food volume estimation using 3D pose. , 2013, 2013, 2534-2538.		35

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91	Single-View Food Portion Estimation: Learning Image-to-Energy Mappings Using Generative Adversarial Networks. , 2018, , .		35
92	The Effect of Timing of Exercise and Eating on Postprandial Response in Adults: A Systematic Review. Nutrients, 2020, 12, 221.	1.7	34
93	Efficient and Low-Complexity Surveillance Video Compression Using Backward-Channel Aware Wyner-Ziv Video Coding. IEEE Transactions on Circuits and Systems for Video Technology, 2009, 19, 453-465.	5.6	33
94	A Low Complexity Sign Detection and Text Localization Method for Mobile Applications. IEEE Transactions on Multimedia, 2011, 13, 922-934.	5.2	33
95	Block artifact reduction using a transform-domain Markov random field model. IEEE Transactions on Circuits and Systems for Video Technology, 2005, 15, 1583-1593.	5.6	32
96	A comparison of food portion size estimation using geometric models and depth images. , 2016, 2016, 26-30.		32
97	A Counter-Forensic Method for CNN-Based Camera Model Identification. , 2017, , .		32
98	Effects of Intermittent Energy Restriction Combined with a Mediterranean Diet on Reducing Visceral Adiposity: A Randomized Active Comparator Pilot Study. Nutrients, 2019, 11, 1386.	1.7	32
99	A study of the generalized morphological filter. Circuits, Systems, and Signal Processing, 1992, 11, 229-252.	1.2	31
100	A software environment for parallel computer vision. Computer, 1992, 25, 73-77.	1.2	31
101	Forensic classification of imaging sensor types. , 2007, , .		31
102	Automatic Plant Counting and Location Based on a Few-Shot Learning Technique. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 5872-5886.	2.3	31
103	<title>Streaming video and rate-scalable compression: What are the challenges for watermarking?</title>. , 2001, 4314, 116.		29
104	Automatic portion estimation and visual refinement in mobile dietary assessment. Proceedings of SPIE, 2010, 7533, .	0.8	29
105	Preclinical ROC studies of digital stereomammography. IEEE Transactions on Medical Imaging, 1995, 14, 318-327.	5.4	28
106	Nuclei Segmentation of Fluorescence Microscopy Images Using Three Dimensional Convolutional Neural Networks. , 2017, , .		28
107	Classical geometrical approach to circle fittingâ€”review and new developments. Journal of Electronic Imaging, 2003, 12, 179.	0.5	27
108	Counting plants using deep learning. , 2017, , .		27

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109	Food Volume Estimation in a Mobile Phone Based Dietary Assessment System. , 2012, , .		26
110	Viewpoint invariant recovery of visual surfaces from sparse data. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1992, 14, 897-909.	9.7	25
111	Context based image analysis with application in dietary assessment and evaluation. Multimedia Tools and Applications, 2018, 77, 19769-19794.	2.6	25
112	A model for an intelligent operating system for executing image understanding tasks on a reconfigurable parallel architecture. Journal of Parallel and Distributed Computing, 1989, 6, 598-622.	2.7	24
113	Multi-angle sclera recognition system. , 2011, , .		24
114	IMART software for correction of motion artifacts in images collected in intravital microscopy. Intravital, 2014, 3, e28210.	2.0	24
115	Adaptive gray scale mapping to reduce registration noise in difference images. Computer Vision, Graphics, and Image Processing, 1986, 33, 129-137.	1.1	23
116	A system for large-scale analysis of distributed cameras. , 2014, , .		23
117	Association between Cognitive Restraint, Uncontrolled Eating, Emotional Eating and BMI and the Amount of Food Wasted in Early Adolescent Girls. Nutrients, 2018, 10, 1279.	1.7	23
118	Moment preserving quantization (signal processing). IEEE Transactions on Communications, 1991, 39, 1549-1558.	4.9	22
119	Digital correction of motion artefacts in microscopy image sequences collected from living animals using rigid and nonrigid registration. Journal of Microscopy, 2012, 245, 148-160.	0.8	22
120	Nuclei segmentation of fluorescence microscopy images using convolutional neural networks. , 2017, , .		22
121	Splicing Detection and Localization In Satellite Imagery Using Conditional GANs. , 2019, , .		22
122	Spacecraft Time-Series Anomaly Detection Using Transfer Learning. , 2021, , .		22
123	A tree-structured piecewise linear adaptive filter. IEEE Transactions on Information Theory, 1993, 39, 1907-1922.	1.5	21
124	Wyner's Ziv Video Coding With Universal Prediction. IEEE Transactions on Circuits and Systems for Video Technology, 2006, 16, 1430-1436.	5.6	21
125	Segmentation assisted food classification for dietary assessment. Proceedings of SPIE, 2011, 7873, 78730B.	0.8	21
126	Wyner-Ziv video side estimator: conventional motion search methods revisited. , 2005, , .		20

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127	Weakly supervised food image segmentation using class activation maps. , 2017, 2017, 1277-1281.		20
128	Manipulation Detection in Satellite Images Using Vision Transformer. , 2021, , .		20
129	Color image coding using morphological pyramid decomposition. IEEE Transactions on Image Processing, 1995, 4, 177-185.	6.0	19
130	Video scene change detection using the generalized sequence trace. , 0, , .		19
131	An automatic face detection and recognition system for video indexing applications. , 2002, , .		19
132	Adaptive lossless video compression using an integer wavelet transform. , 0, , .		19
133	The Watermark Evaluation Testbed (WET). , 2004, 5306, 236.		19
134	Rate-distortion analysis of motion-compensated rate scalable video. IEEE Transactions on Image Processing, 2006, 15, 2170-2190.	6.0	19
135	Mobile Analytics for Emergency Response and Training. Information Visualization, 2008, 7, 77-88.	1.2	19
136	Temporal Dietary Patterns Using Kernel k-Means Clustering. , 2011, 2011, 375-380.		19
137	An Extreme Learning Machine-based pedestrian detection method. , 2013, , .		19
138	Neighborhood Matching for Image Retrieval. IEEE Transactions on Multimedia, 2017, 19, 544-558.	5.2	19
139	Pediatric Videosomnography: Can Signal/Video Processing Distinguish Sleep and Wake States?. Frontiers in Pediatrics, 2018, 6, 158.	0.9	19
140	Counting Bites With Bits: Expert Workshop Addressing Calorie and Macronutrient Intake Monitoring. Journal of Medical Internet Research, 2019, 21, e14904.	2.1	19
141	The use of block truncation coding in DPCM image coding. IEEE Transactions on Signal Processing, 1991, 39, 967-971.	3.2	18
142	<title>Temporal synchronization in video watermarking</title>. , 2002, 4675, 478.		18
143	Guest editorial special issue on signal processing for data hiding in digital media and secure content delivery. IEEE Transactions on Signal Processing, 2003, 51, 897-897.	3.2	18
144	Object tracking initialization using automatic moving object detection. Proceedings of SPIE, 2010, , .	0.8	18

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145	Integrating crop growth models with remote sensing for predicting biomass yield of sorghum. In <i>Silico Plants</i> , 2021, 3, .	0.8	18
146	Survey of Scanner and Printer Forensics at Purdue University. <i>Lecture Notes in Computer Science</i> , 2008, , 22-34.	1.0	18
147	Accuracy of Automatically Determined Borders in Digital Two-Dimensional Echocardiography Using a Cardiac Phantom. <i>IEEE Transactions on Medical Imaging</i> , 1987, 6, 292-296.	5.4	17
148	Reliability Map Estimation for CNN-Based Camera Model Attribution. , 2018, , .		17
149	Temporal Dietary Patterns Are Associated with Obesity in US Adults. <i>Journal of Nutrition</i> , 2020, 150, 3259-3268.	1.3	17
150	Estimating displacement vectors from an image sequence. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 1989, 6, 871.	0.8	16
151	Image segmentation based on composite random field models. <i>Optical Engineering</i> , 1992, 31, 2594.	0.5	16
152	An integrated approach to encrypting scalable video. , 0, , .		16
153	Scanner identification with extension to forgery detection. , 2008, , .		16
154	Color difference weighted adaptive residual preprocessing using perceptual modeling for video compression. <i>Signal Processing: Image Communication</i> , 2015, 39, 355-368.	1.8	16
155	Digital watermarking for camera-captured images based on just noticeable distortion and Wiener filtering. <i>Journal of Visual Communication and Image Representation</i> , 2018, 53, 146-160.	1.7	16
156	Nuclei detection and segmentation of fluorescence microscopy images using three dimensional convolutional neural networks. , 2018, , .		16
157	An Attention-Based System for Damage Assessment Using Satellite Imagery. , 2021, , .		16
158	Tree-structured piecewise linear adaptive equalization. <i>IEEE Transactions on Communications</i> , 1993, 41, 70-82.	4.9	15
159	Parameter estimation and segmentation of noisy or textured images using the EM algorithm and MPM estimation. , 0, , .		15
160	Source scanner identification for scanned documents. , 2009, , .		15
161	Image enhancement and quality measures for dietary assessment using mobile devices. , 2012, 8296, .		15
162	Fooling PRNU-Based Detectors Through Convolutional Neural Networks. , 2018, , .		15

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163	Logo detection and recognition with synthetic images. IS&T International Symposium on Electronic Imaging, 2018, 30, 337-1-337-7.	0.3	15
164	<title>Protection of multicast scalable video by secret sharing: simulation results</title>. , 2003, 5020, 505.		14
165	Multimedia security: the 22nd century approach. Multimedia Systems, 2005, 11, 95-97.	3.0	14
166	Spatial Texture Models for Video Compression. Proceedings International Conference on Image Processing, 2007, , .	0.0	14
167	Intrinsic signatures for scanned documents forensics : Effect of font shape and size. , 2010, , .		14
168	Quality fusion based multimodal eye recognition. , 2012, , .		14
169	A comprehensive multimodal eye recognition. Signal, Image and Video Processing, 2013, 7, 619-631.	1.7	14
170	A comprehensive approach for sclera image quality measure. International Journal of Biometrics, 2013, 5, 181.	0.3	14
171	Robust local and global shape context for tattoo image matching. , 2015, , .		14
172	Efficient superpixel based segmentation for food image analysis. , 2016, 2016, 2544-2548.		14
173	Improving Nutrition and Activity Behaviors Using Digital Technology and Tailored Feedback: Protocol for the Tailored Diet and Activity (ToDAy) Randomized Controlled Trial. JMIR Research Protocols, 2019, 8, e12782.	0.5	14
174	An Investigation of Scalable SIMD I/O Techniques with Application to Parallel JPEG Compression. Journal of Parallel and Distributed Computing, 1995, 30, 111-128.	2.7	13
175	Issues in the design of studies to test the effectiveness of stereo imaging. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 1996, 26, 810-819.	3.4	13
176	Wyner-Ziv Video Coding using LDPC Codes. , 2006, , .		13
177	Decomposing parameters of mixture Gaussian model using genetic and maximum likelihood algorithms on dental images. Pattern Recognition Letters, 2006, 27, 1522-1536.	2.6	13
178	A low-complexity iterative mode selection algorithm Forwyner-Ziv video compression. , 2008, , .		13
179	Development of a mobile user interface for image-based dietary assessment. , 2010, 2010, 13.		13
180	Video-based real-time surveillance of vehicles. Journal of Electronic Imaging, 2013, 22, 041103.	0.5	13

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181	Automatic detection of abnormal human events on train platforms. , 2014, , .		13
182	Segmentation of fluorescence microscopy images using three dimensional active contours with inhomogeneity correction. , 2017, , .		13
183	BMI is Associated with the Willingness to Record Diet with a Mobile Food Record among Adults Participating in Dietary Interventions. Nutrients, 2017, 9, 244.	1.7	13
184	Feasibility of Assessing Diet with a Mobile Food Record for Adolescents and Young Adults with Down Syndrome. Nutrients, 2017, 9, 273.	1.7	13
185	cTADA: The Design of a Crowdsourcing Tool for Online Food Image Identification and Segmentation. , 2018, , .		13
186	Technology-Based Dietary Assessment in Youth with and Without Developmental Disabilities. Nutrients, 2018, 10, 1482.	1.7	13
187	Manipulation Detection in Satellite Images Using Deep Belief Networks. , 2020, , .		13
188	A technique for the visualization and analysis of cardiac wall motion by two-dimensional echocardiography. IEEE Transactions on Medical Imaging, 1989, 8, 104-106.	5.4	12
189	On the distribution of a deforming triangle. Pattern Recognition, 1990, 23, 1333-1341.	5.1	12
190	An overview of security issues in streaming video. , 0, , .		12
191	A key transport protocol based on secret sharing applications to information security. IEEE Transactions on Consumer Electronics, 2003, 48, 816-824.	3.0	12
192	Robust and efficient image segmentation approaches using Markov random field models. Journal of Electronic Imaging, 2003, 12, 50.	0.5	12
193	Characterization of RF Devices using Two-Tone Probe Signals. , 2007, , .		12
194	Video coding using motion classification. , 2008, , .		12
195	Crowd flow estimation using multiple visual features for scenes with changing crowd densities. , 2011, , .		12
196	Integrated database system for mobile dietary assessment and analysis. , 2011, 2011, .		12
197	Background subtraction using a pixel-wise adaptive learning rate for object tracking initialization. Proceedings of SPIE, 2011, , .	0.8	12
198	A New Texture Feature for Improved Food Recognition Accuracy in a Mobile Phone Based Dietary Assessment System. , 2012, , .		12

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199	Context based food image analysis. , 2013, 2013, 2748-2752.		12
200	Image segmentation for image-based dietary assessment: A comparative study. , 2013, 2013, .		12
201	Dietary assessment of domoic acid exposure: What can be learned from traditional methods and new applications for a technology assisted device. Harmful Algae, 2016, 57, 51-55.	2.2	12
202	A Stacked Predictor and Dynamic Thresholding Algorithm for Anomaly Detection in Spacecraft. , 2019, , .		12
203	Leaf Segmentation by Functional Modeling. , 2019, , .		12
204	Multilevel Segmentation for Food Classification in Dietary Assessment. Proc Int Symp Image Signal Process Anal, 2011, , 337-342.	0.0	12
205	Detecting edge segments. IEEE Transactions on Systems, Man, and Cybernetics, 1985, SMC-15, 144-152.	0.9	11
206	Dynamic intelligent scheduling and control of reconfigurable parallel architectures for computer vision/image processing. Journal of Parallel and Distributed Computing, 1991, 13, 273-285.	2.7	11
207	Streaming video and rate scalable compression: what are the challenges for watermarking?. Journal of Electronic Imaging, 2004, 13, 198.	0.5	11
208	Channel-aware rate-distortion optimized leaky motion prediction. , 0, , .		11
209	A study on the effect of camera motion on human visual attention. , 2008, , .		11
210	Multimodal eye recognition. , 2010, , .		11
211	Printer and Scanner Forensics: Models and Methods. Studies in Computational Intelligence, 2010, , 145-187.	0.7	11
212	Perception v. actual intakes of junk food and sugar-sweetened beverages in Australian young adults: assessed using the mobile food record. Public Health Nutrition, 2017, 20, 2300-2307.	1.1	11
213	Perception of 3D Symmetrical and Nearly Symmetrical Shapes. Symmetry, 2018, 10, 344.	1.1	11
214	Three Dimensional Synthetic Non-Ellipsoidal Nuclei Volume Generation Using BÄ©zier Curves. , 2021, , .		11
215	Spatial synchronization using watermark key structure. , 2004, 5306, 536.		10
216	An enhancement of leaky prediction layered video coding. IEEE Transactions on Circuits and Systems for Video Technology, 2005, 15, 1317-1331.	5.6	10

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217	dsp Forum - Future of Video Coding and Transmission. IEEE Signal Processing Magazine, 2006, 23, 76-82.	4.6	10
218	Neighborhood matching for object recognition algorithms based on local image features. , 2011, , .		10
219	Forensic printer detection using intrinsic signatures. , 2011, , .		10
220	Three dimensional segmentation of fluorescence microscopy images using active surfaces. , 2013, , .		10
221	A mobile phone user interface for image-based dietary assessment. Proceedings of SPIE, 2014, 9030, .	0.8	10
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