

# Edward J Delp

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

402  
papers

8,486  
citations

47  
h-index

79  
g-index

519  
ext. papers

10,525  
ext. citations

3.8  
avg, IF

6.3  
L-index

#	Paper	IF	Citations
402	Deepfake Detection Using Multiple Data Modalities. <i>Advances in Computer Vision and Pattern Recognition</i> , <b>2022</b> , 235-254	1.1	1
401	Forensic Analysis of Synthetically Generated Western Blot Images. <i>IEEE Access</i> , <b>2022</b> , 1-1	3.5	0
400	Accuracy and Cost-effectiveness of Technology-Assisted Dietary Assessment Comparing the Automated Self-administered Dietary Assessment Tool, Intake24, and an Image-Assisted Mobile Food Record 24-Hour Recall Relative to Observed Intake: Protocol for a Randomized Crossover Feeding Study. <i>JMIR Research Protocols</i> , <b>2021</b> , 10, e32881	2	0
399	Field-Based Plot Extraction Using UAV RGB Images <b>2021</b> ,		2
398	Three Dimensional Synthetic Non-Ellipsoidal Nuclei Volume Generation Using B�zier Curves <b>2021</b> ,		1
397	Manipulation Detection in Satellite Images Using Vision Transformer <b>2021</b> ,		3
396	Spacecraft Time-Series Anomaly Detection Using Transfer Learning <b>2021</b> ,		5
395	Integrating crop growth models with remote sensing for predicting biomass yield of sorghum. <i>In Silico Plants</i> , <b>2021</b> , 3,	3.2	7
394	Temporal physical activity patterns are associated with obesity in U.S. adults. <i>Preventive Medicine</i> , <b>2021</b> , 148, 106538	4.3	1
393	Contour-Based Detection and Quantification of Tar Spot Stromata Using Red-Green-Blue (RGB) Imagery. <i>Frontiers in Plant Science</i> , <b>2021</b> , 12, 675975	6.2	0
392	Nested Attention U-Net: A Splicing Detection Method for Satellite Images. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 516-529	0.9	0
391	Three Dimensional Nuclei Segmentation and Classification of Fluorescence Microscopy Images <b>2020</b> ,		1
390	Plant Stem Segmentation Using Fast Ground Truth Generation <b>2020</b> ,		1
389	Introduction to the Issue on Perception-Driven 360� Video Processing. <i>IEEE Journal on Selected Topics in Signal Processing</i> , <b>2020</b> , 14, 2-4	7.5	1
388	The Effect of Timing of Exercise and Eating on Postprandial Response in Adults: A Systematic Review. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	12
387	Robustness Analysis of Face Obscuration <b>2020</b> ,		1
386	Sphere estimation network: three-dimensional nuclei detection of fluorescence microscopy images. <i>Journal of Medical Imaging</i> , <b>2020</b> , 7, 044003	2.6	1

385	Generative Autoregressive Ensembles for Satellite Imagery Manipulation Detection <b>2020</b> ,		2
384	Joint Temporal Dietary and Physical Activity Patterns: Associations with Health Status Indicators and Chronic Diseases. <i>Current Developments in Nutrition</i> , <b>2020</b> , 4, 590-590	0.4	1
383	Temporal Physical Activity Patterns and Association with Health Status Indicators and Chronic Disease. <i>Current Developments in Nutrition</i> , <b>2020</b> , 4, 1166-1166	0.4	78
382	Manipulation Detection in Satellite Images Using Deep Belief Networks <b>2020</b> ,		4
381	Deepfakes Detection with Automatic Face Weighting <b>2020</b> ,		27
380	Deep Transfer Learning For Plant Center Localization <b>2020</b> ,		6
379	Temporal Dietary Patterns Are Associated with Obesity in US Adults. <i>Journal of Nutrition</i> , <b>2020</b> , 150, 3259-3268	4.1	8
378	Automatic Plant Counting and Location Based on a Few-Shot Learning Technique. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , <b>2020</b> , 13, 5872-5886	4.7	15
377	Temporal Dietary Patterns Are Associated with Body Mass Index, Waist Circumference and Obesity. <i>Current Developments in Nutrition</i> , <b>2020</b> , 4, 518-518	0.4	78
376	Distance metrics optimized for clustering temporal dietary patterning among U.S. adults. <i>Appetite</i> , <b>2020</b> , 144, 104451	4.5	4
375	Three Dimensional Blind Image Deconvolution for Fluorescence Microscopy using Generative Adversarial Networks <b>2019</b> ,		8
374	Image Anonymization Detection with Deep Handcrafted Features <b>2019</b> ,		2
373	Effects of Intermittent Energy Restriction Combined with a Mediterranean Diet on Reducing Visceral Adiposity: A Randomized Active Comparator Pilot Study. <i>Nutrients</i> , <b>2019</b> , 11,	6.7	18
372	Splicing Detection and Localization In Satellite Imagery Using Conditional GANs <b>2019</b> ,		10
371	Image-Based Dietary Assessment and Tailored Feedback Using Mobile Technology: Mediating Behavior Change in Young Adults. <i>Nutrients</i> , <b>2019</b> , 11,	6.7	5
370	Classification of Sleep Videos Using Deep Learning <b>2019</b> ,		1
369	Improving Nutrition and Activity Behaviors Using Digital Technology and Tailored Feedback: Protocol for the Tailored Diet and Activity (ToDAy) Randomized Controlled Trial. <i>JMIR Research Protocols</i> , <b>2019</b> , 8, e12782	2	9
368	Counting Bites With Bits: Expert Workshop Addressing Calorie and Macronutrient Intake Monitoring. <i>Journal of Medical Internet Research</i> , <b>2019</b> , 21, e14904	7.6	9

367	Nuclei counting in microscopy images with three dimensional generative adversarial networks <b>2019</b>		4
366	A Stacked Predictor and Dynamic Thresholding Algorithm for Anomaly Detection in Spacecraft <b>2019</b> ,		4
365	Camera-Aware Image-To-Image Translation Using Similarity Preserving StarGAN for Person Re-Identification <b>2019</b> ,		3
364	Leaf Segmentation by Functional Modeling <b>2019</b> ,		3
363	Locating Objects Without Bounding Boxes <b>2019</b> ,		23
362	Center-Extraction-Based Three Dimensional Nuclei Instance Segmentation of Fluorescence Microscopy Images <b>2019</b> ,		2
361	DeepSynth: Three-dimensional nuclear segmentation of biological images using neural networks trained with synthetic data. <i>Scientific Reports</i> , <b>2019</b> , 9, 18295	4.9	30
360	Context Based Image Analysis With Application in Dietary Assessment and Evaluation. <i>Multimedia Tools and Applications</i> , <b>2018</b> , 77, 19769-19794	2.5	13
359	Digital watermarking for camera-captured images based on just noticeable distortion and Wiener filtering. <i>Journal of Visual Communication and Image Representation</i> , <b>2018</b> , 53, 146-160	2.7	8
358	Scalable Logo Detection and Recognition with Minimal Labeling <b>2018</b> ,		1
357	Pediatric Videosomnography: Can Signal/Video Processing Distinguish Sleep and Wake States?. <i>Frontiers in Pediatrics</i> , <b>2018</b> , 6, 158	3.4	11
356	Logo detection and recognition with synthetic images. <i>IS&amp;T International Symposium on Electronic Imaging</i> , <b>2018</b> , 2018, 337-1-337-7	1	4
355	Nuclei detection and segmentation of fluorescence microscopy images using three dimensional convolutional neural networks <b>2018</b> ,		10
354	Monocular and binocular recovery of 3D symmetrical and near-symmetrical shapes. <i>Journal of Vision</i> , <b>2018</b> , 18, 719	0.4	
353	Segmentation of biological images containing multitarget labeling using the jelly filling framework. <i>Journal of Medical Imaging</i> , <b>2018</b> , 5, 044006	2.6	1
352	Deepfake Video Detection Using Recurrent Neural Networks <b>2018</b> ,		209
351	Three Dimensional Fluorescence Microscopy Image Synthesis and Segmentation <b>2018</b> ,		21
350	Tubule Segmentation of Fluorescence Microscopy Images Based on Convolutional Neural Networks With Inhomogeneity Correction. <i>IS&amp;T International Symposium on Electronic Imaging</i> , <b>2018</b> , 2018, 199-1-199-8		5

349	Texture Segmentation Based Video Compression Using Convolutional Neural Networks. <i>IS&amp;T International Symposium on Electronic Imaging</i> , <b>2018</b> , 2018, 155-1-155-6	1	3
348	Estimating Plant Centers Using A Deep Binary Classifier <b>2018</b> ,		1
347	cTADA: The Design of a Crowdsourcing Tool for Online Food Image Identification and Segmentation <b>2018</b> ,		6
346	Fooling PRNU-Based Detectors Through Convolutional Neural Networks <b>2018</b> ,		11
345	Satellite Image Forgery Detection and Localization Using GAN and One-Class Classifier. <i>IS&amp;T International Symposium on Electronic Imaging</i> , <b>2018</b> , 2018, 214-1-214-9	1	30
344	Perception of 3D Symmetrical and Nearly Symmetrical Shapes. <i>Symmetry</i> , <b>2018</b> , 10, 344	2.7	8
343	Technology-Based Dietary Assessment in Youth with and Without Developmental Disabilities. <i>Nutrients</i> , <b>2018</b> , 10,	6.7	5
342	Reliability Map Estimation for CNN-Based Camera Model Attribution <b>2018</b> ,		11
341	Association between Cognitive Restraint, Uncontrolled Eating, Emotional Eating and BMI and the Amount of Food Wasted in Early Adolescent Girls. <i>Nutrients</i> , <b>2018</b> , 10,	6.7	13
340	Single-View Food Portion Estimation: Learning Image-to-Energy Mappings Using Generative Adversarial Networks <b>2018</b> ,		15
339	. <i>IEEE Signal Processing Letters</i> , <b>2017</b> , 24, 259-263	3.2	137
338	Dietary Intervention for Glucose Tolerance In Teens (DIG IT): Protocol of a randomized controlled trial using health coaching to prevent youth-onset type 2 diabetes. <i>Contemporary Clinical Trials</i> , <b>2017</b> , 53, 171-177	2.3	3
337	Nuclei segmentation of fluorescence microscopy images using convolutional neural networks <b>2017</b> ,		12
336	New mobile methods for dietary assessment: review of image-assisted and image-based dietary assessment methods. <i>Proceedings of the Nutrition Society</i> , <b>2017</b> , 76, 283-294	2.9	156
335	Binocular 3D Object Recovery Using a Symmetry Prior. <i>Symmetry</i> , <b>2017</b> , 9, 64	2.7	7
334	Feasibility of Assessing Diet with a Mobile Food Record for Adolescents and Young Adults with Down Syndrome. <i>Nutrients</i> , <b>2017</b> , 9,	6.7	6
333	Characterizing Early Adolescent Plate Waste Using the Mobile Food Record. <i>Nutrients</i> , <b>2017</b> , 9,	6.7	7
332	Tampering Detection and Localization Through Clustering of Camera-Based CNN Features <b>2017</b> ,		67

331	A Counter-Forensic Method for CNN-Based Camera Model Identification <b>2017</b> ,		23
330	Nuclei Segmentation of Fluorescence Microscopy Images Using Three Dimensional Convolutional Neural Networks <b>2017</b> ,		13
329	Perception v. actual intakes of junk food and sugar-sweetened beverages in Australian young adults: assessed using the mobile food record. <i>Public Health Nutrition</i> , <b>2017</b> , 20, 2300-2307	3.3	8
328	Segmentation of fluorescence microscopy images using three dimensional active contours with inhomogeneity correction <b>2017</b> ,		8
327	. <i>IEEE Transactions on Multimedia</i> , <b>2017</b> , 19, 544-558	6.6	12
326	Plant leaf segmentation for estimating phenotypic traits <b>2017</b> ,		4
325	Quality-adaptive deep learning for pedestrian detection <b>2017</b> ,		3
324	Accuracy prediction for pedestrian detection <b>2017</b> ,		3
323	Spatial pyramid alignment for sparse coding based object classification <b>2017</b> ,		1
322	THE USE OF CO-OCCURRENCE PATTERNS IN SINGLE IMAGE BASED FOOD PORTION ESTIMATION <b>2017</b> , 2017, 462-466		6
321	Counting plants using deep learning <b>2017</b> ,		16
320	Modified dynamic time warping (MDTW) for estimating temporal dietary patterns <b>2017</b> ,		2
319	WEAKLY SUPERVISED FOOD IMAGE SEGMENTATION USING CLASS ACTIVATION MAPS. <i>Proceedings International Conference on Image Processing</i> , <b>2017</b> , 2017, 1277-1281	1.6	14
318	A Two Stream Siamese Convolutional Neural Network for Person Re-identification <b>2017</b> ,		118
317	Locating Crop Plant Centers from UAV-Based RGB Imagery <b>2017</b> ,		6
316	3D Shape Recovery From Real Images Using a Symmetry Prior. <i>IS&amp;T International Symposium on Electronic Imaging</i> , <b>2017</b> , 2017, 106-115	1	1
315	Effect of Fibre Supplementation on Body Weight and Composition, Frequency of Eating and Dietary Choice in Overweight Individuals. <i>Nutrients</i> , <b>2017</b> , 9,	6.7	19
314	BMI is Associated with the Willingness to Record Diet with a Mobile Food Record among Adults Participating in Dietary Interventions. <i>Nutrients</i> , <b>2017</b> , 9,	6.7	9

313	Reported Energy Intake Accuracy Compared to Doubly Labeled Water and Usability of the Mobile Food Record among Community Dwelling Adults. <i>Nutrients</i> , <b>2017</b> , 9,	6.7	38
312	Automatic gang graffiti recognition and interpretation. <i>Journal of Electronic Imaging</i> , <b>2017</b> , 26, 1	0.7	2
311	Special Section Guest Editorial: Video Analytics for Public Safety. <i>Journal of Electronic Imaging</i> , <b>2017</b> , 26, 1	0.7	
310	Improving Video-Based Heart Rate Estimation. <i>IS&amp;T International Symposium on Electronic Imaging</i> , <b>2016</b> , 2016, 1-6	1	
309	Touch Event Recognition For Human Interaction. <i>IS&amp;T International Symposium on Electronic Imaging</i> , <b>2016</b> , 2016, 1-6	1	1
308	VPx Error Resilient Video Coding Using Duplicated Prediction Information. <i>IS&amp;T International Symposium on Electronic Imaging</i> , <b>2016</b> , 2016, 1-6	1	2
307	HAZMAT SIGN LOCATION DETECTION BASED ON FOURIER SHAPE DESCRIPTORS. <i>IS&amp;T International Symposium on Electronic Imaging</i> , <b>2016</b> , 2016, 1-5	1	
306	Tattoo image retrieval for region of interest <b>2016</b> ,		3
305	VPx video coding for lossy transmission channels using error resilience packets <b>2016</b> ,		1
304	Superpixels shape analysis for carried object detection <b>2016</b> ,		2
303	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. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , <b>2016</b> , 13, 52	8.4	80
302	Image-Like 2D Barcodes Using Generalizations of the Kuznetsov-Sybakov Problem. <i>IEEE Transactions on Information Forensics and Security</i> , <b>2016</b> , 11, 691-703	8	2
301	Temporal Dietary Patterns Derived among the Adult Participants of the National Health and Nutrition Examination Survey 1999-2004 Are Associated with Diet Quality. <i>Journal of the Academy of Nutrition and Dietetics</i> , <b>2016</b> , 116, 283-291	3.9	30
300	Preferred Tone of Nutrition Text Messages for Young Adults: Focus Group Testing. <i>JMIR MHealth and UHealth</i> , <b>2016</b> , 4, e1	5.5	25
299	FOOD IMAGE ANALYSIS: THE BIG DATA PROBLEM YOU CAN EAT!. <i>Conference Record of the Asilomar Conference on Signals, Systems and Computers</i> , <b>2016</b> , 2016, 1263-1267	0.3	1
298	A Mobile Food Record For Integrated Dietary Assessment <b>2016</b> , 2016, 53-62		20
297	Person re-identification using a patch-based appearance model <b>2016</b> ,		2
296	EFFICIENT SUPERPIXEL BASED SEGMENTATION FOR FOOD IMAGE ANALYSIS. <i>Proceedings International Conference on Image Processing</i> , <b>2016</b> , 2016, 2544-2548	1.6	6

295	Automatic and manual tattoo localization <b>2016</b> ,		4
294	A COMPARISON OF FOOD PORTION SIZE ESTIMATION USING GEOMETRIC MODELS AND DEPTH IMAGES. <i>Proceedings International Conference on Image Processing</i> , <b>2016</b> , 2016, 26-30	1.6	19
293	Figure-ground organization based on three-dimensional symmetry. <i>Journal of Electronic Imaging</i> , <b>2016</b> , 25, 061606	0.7	6
292	Nuclei segmentation of fluorescence microscopy images based on midpoint analysis and marked point process <b>2016</b> ,		9
291	Dietary Assessment of domoic acid Exposure: What can be learned from traditional methods and new applications for a technology assisted device. <i>Harmful Algae</i> , <b>2016</b> , 57, 51-55	5.3	9
290	Adaptive error concealment for temporal-spatial multiple description video coding. <i>Signal Processing: Image Communication</i> , <b>2016</b> , 47, 313-331	2.8	3
289	Jelly filling segmentation of fluorescence microscopy images containing incomplete labeling <b>2016</b> ,		2
288	Mobile Image Based Color Correction Using Deblurring. <i>Proceedings of SPIE</i> , <b>2015</b> , 9401,	1.7	1
287	Color difference weighted adaptive residual preprocessing using perceptual modeling for video compression. <i>Signal Processing: Image Communication</i> , <b>2015</b> , 39, 355-368	2.8	11
286	Efficient graph-cut tattoo segmentation <b>2015</b> ,		1
285	The use of asymmetric numeral systems as an accurate replacement for Huffman coding <b>2015</b> ,		32
284	Single-View Food Portion Estimation Based on Geometric Models <b>2015</b> , 2015, 385-390		27
283	Robust local and global shape context for tattoo image matching <b>2015</b> ,		14
282	Feasibility and Use of the Mobile Food Record for Capturing Eating Occasions among Children Ages 3-10 Years in Guam. <i>Nutrients</i> , <b>2015</b> , 7, 4403-15	6.7	27
281	A Novel Dietary Assessment Method to Measure a Healthy and Sustainable Diet Using the Mobile Food Record: Protocol and Methodology. <i>Nutrients</i> , <b>2015</b> , 7, 5375-95	6.7	27
280	Multimedia content creation using global network cameras: The making of CAM2 <b>2015</b> ,		2
279	Spatial subsampling-based multiple description video coding with adaptive temporal-spatial error concealment <b>2015</b> ,		7
278	Content based video retrieval on mobile devices: How much content is enough? <b>2015</b> ,		1



277	Analysis of Large-Scale Distributed Cameras Using the Cloud. <i>IEEE Cloud Computing</i> , <b>2015</b> , 2, 54-62		8
276	Multiple hypotheses image segmentation and classification with application to dietary assessment. <i>IEEE Journal of Biomedical and Health Informatics</i> , <b>2015</b> , 19, 377-88	7.2	85
275	How willing are adolescents to record their dietary intake? The mobile food record. <i>JMIR MHealth and UHealth</i> , <b>2015</b> , 3, e47	5.5	44
274	The Use of Temporal Information in Food Image Analysis. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 9281, 317-325	0.9	7
273	A Printer Indexing System for Color Calibration with Applications in Dietary Assessment. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 9281, 358-365	0.9	1
272	Dietary and Physical Activity Factors in Overweight and Obese Adolescents At Risk for Type 2 Diabetes. <i>FASEB Journal</i> , <b>2015</b> , 29, 595.27	0.9	
271	Categorization-based two-stage pedestrian detection system for naturalistic driving data. <i>Signal, Image and Video Processing</i> , <b>2014</b> , 8, 135-144	1.6	4
270	A system for large-scale analysis of distributed cameras <b>2014</b> ,		18
269	A Mobile Phone User Interface for Image-Based Dietary Assessment. <i>Proceedings of SPIE</i> , <b>2014</b> , 9030,	1.7	7
268	ANALYSIS OF FOOD IMAGES: FEATURES AND CLASSIFICATION. <i>Proceedings International Conference on Image Processing</i> , <b>2014</b> , 2014, 2744-2748	1.6	47
267	IMART software for correction of motion artifacts in images collected in intravital microscopy. <i>Intravital</i> , <b>2014</b> , 3, e28210		18
266	Automated crowd flow estimation enhanced by crowdsourcing <b>2014</b> ,		1
265	Generalizations of the Kuznetsov-Tsybakov problem for generating image-like 2D barcodes <b>2014</b> ,		1
264	Merging dietary assessment with the adolescent lifestyle. <i>Journal of Human Nutrition and Dietetics</i> , <b>2014</b> , 27 Suppl 1, 82-8	3.1	30
263	An HEVC compressed domain content-based video signature for copy detection and video retrieval <b>2014</b> ,		4
262	A web-based video annotation system for crowdsourcing surveillance videos <b>2014</b> ,		2
261	Automatic detection of abnormal human events on train platforms <b>2014</b> ,		8
260	Comparing three-dimensional Bayesian segmentations for images with low signal-to-noise ratio (SNR). <i>Journal of Electronic Imaging</i> , <b>2014</b> , 23, 043018	0.7	1

259	Digital watermarking for color images in hue-saturation-value color space. <i>Journal of Electronic Imaging</i> , <b>2014</b> , 23, 033009	0.7	4
258	A comprehensive multimodal eye recognition. <i>Signal, Image and Video Processing</i> , <b>2013</b> , 7, 619-631	1.6	12
257	CONTEXT BASED FOOD IMAGE ANALYSIS. <i>Proceedings International Conference on Image Processing</i> , <b>2013</b> , 2013, 2748-2752	1.6	9
256	Video-based real-time surveillance of vehicles. <i>Journal of Electronic Imaging</i> , <b>2013</b> , 22, 041103	0.7	5
255	Image-Based Food Volume Estimation <b>2013</b> , 2013, 75-80		30
254	MODEL-BASED FOOD VOLUME ESTIMATION USING 3D POSE. <i>Proceedings International Conference on Image Processing</i> , <b>2013</b> , 2013, 2534-2538	1.6	24
253	Recognition, segmentation and retrieval of gang graffiti images on a mobile device <b>2013</b> ,		6
252	Inter-layer error concealment for scalable video coding based on motion vector averaging and slice interleaving <b>2013</b> ,		3
251	FOOD IMAGE ANALYSIS: SEGMENTATION, IDENTIFICATION AND WEIGHT ESTIMATION <b>2013</b> , 2013,		44
250	Three dimensional segmentation of fluorescence microscopy images using active surfaces <b>2013</b> ,		9
249	Image Segmentation for Image-Based Dietary Assessment: A Comparative Study <b>2013</b> , 2013,		9
248	<b>2013</b> ,		2
247	An Extreme Learning Machine-based pedestrian detection method <b>2013</b> ,		17
246	A comprehensive approach for sclera image quality measure. <i>International Journal of Biometrics</i> , <b>2013</b> , 5, 181	0.4	8
245	Robust image watermarking based on luminance modification. <i>Journal of Electronic Imaging</i> , <b>2013</b> , 22, 033009	0.7	6
244	A New Human Identification Method: Sclera Recognition. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , <b>2012</b> , 42, 571-583		79
243	Adaptive error concealment for Multiple Description Video Coding using motion vector analysis <b>2012</b> ,		1
242	Quality fusion based multimodal eye recognition <b>2012</b> ,		12

241	A New Texture Feature for Improved Food Recognition Accuracy in a Mobile Phone Based Dietary Assessment System <b>2012</b> ,			8
240	A multi-resolution approach to non-rigid registration of microscopy images <b>2012</b> ,			3
239	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. <i>BMC Public Health</i> , <b>2012</b> , 12, 477	4.1		43
238	Generalized PCM coding of images. <i>IEEE Transactions on Image Processing</i> , <b>2012</b> , 21, 3801-06	8.7		2
237	Food Volume Estimation in a Mobile Phone Based Dietary Assessment System <b>2012</b> ,			19
236	Digital correction of motion artefacts in microscopy image sequences collected from living animals using rigid and nonrigid registration. <i>Journal of Microscopy</i> , <b>2012</b> , 245, 148-60	1.9		18
235	Snakes assisted food image segmentation <b>2012</b> ,			3
234	Specular Highlight Removal For Image-Based Dietary Assessment <b>2012</b> , 2012, 424-428			5
233	Comparison of known food weights with image-based portion-size automated estimation and adolescents' self-reported portion size. <i>Journal of Diabetes Science and Technology</i> , <b>2012</b> , 6, 428-34	4.1		41
232	Image Enhancement and Quality Measures for Dietary Assessment Using Mobile Devices. <i>Proceedings of SPIE</i> , <b>2012</b> , 8296,	1.7		12
231	Location-aware gang graffiti acquisition and browsing on a mobile device <b>2012</b> ,			5
230	A comprehensive approach for skin recognition. <i>International Journal of Biometrics</i> , <b>2012</b> , 4, 165	0.4		
229	Novel technologies for assessing dietary intake: evaluating the usability of a mobile telephone food record among adults and adolescents. <i>Journal of Medical Internet Research</i> , <b>2012</b> , 14, e58	7.6		101
228	. <i>IEEE Transactions on Multimedia</i> , <b>2011</b> , 13, 922-934	6.6		25
227	INTEGRATED DATABASE SYSTEM FOR MOBILE DIETARY ASSESSMENT AND ANALYSIS <b>2011</b> , 2011,			9
226	Neighborhood matching for object recognition algorithms based on local image features <b>2011</b> ,			6
225	A region-dependent image matching method for image and video annotation <b>2011</b> ,			1
224	Two-photon imaging within the murine thorax without respiratory and cardiac motion artifact. <i>American Journal of Pathology</i> , <b>2011</b> , 179, 75-82	5.8		59

223	Segmentation-Based Video Compression Using Texture and Motion Models. <i>IEEE Journal on Selected Topics in Signal Processing</i> , <b>2011</b> , 5, 1366-1377	7.5	28
222	. <i>IEEE Journal on Selected Topics in Signal Processing</i> , <b>2011</b> , 5, 1277-1281	7.5	7
221	An adaptable spatial-temporal error concealment method for Multiple Description Coding based on error tracking <b>2011</b> ,		2
220	<b>2011</b> ,		23
219	Crowd flow estimation using multiple visual features for scenes with changing crowd densities <b>2011</b> ,		10
218	Co-ordinate mapping and analysis of vehicle trajectory for anomaly detection <b>2011</b> ,		2
217	Low Complexity Image Quality Measures for Dietary Assessment Using Mobile Devices <b>2011</b> , 2011, 351-356		7
216	Temporal Dietary Patterns Using Kernel k-Means Clustering <b>2011</b> , 2011, 375-380		10
215	Volume Estimation Using Food Specific Shape Templates in Mobile Image-Based Dietary Assessment. <i>Proceedings of SPIE</i> , <b>2011</b> , 7873, 78730K	1.7	44
214	COMBINING GLOBAL AND LOCAL FEATURES FOR FOOD IDENTIFICATION IN DIETARY ASSESSMENT. <i>Proceedings International Conference on Image Processing</i> , <b>2011</b> , 2011, 1789-1792	1.6	56
213	Forensic printer detection using intrinsic signatures <b>2011</b> ,		8
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9	An overview of security issues in streaming video		5
8	3-D Bayesian ultrasound breast image segmentation using the EM/MPM algorithm		6

7	Combining audio and video for video sequence indexing applications	6
6	An integrated approach to encrypting scalable video	6
5	Video scene change detection using the generalized sequence trace	10
4		9
3		3
2		1
1	Image-based assessment of plant disease progression identifies new genetic loci for resistance	1