Dmitry B Goldgof

List of Publications by Year
in descending order

214 papers	7,688 citations	101384 36 h-index	64668 79 g-index
217 all docs	217 docs citations	217 times ranked	8698 citing authors

#	Article	IF	Citations
1	A Comprehensive and Context-Sensitive Neonatal Pain Assessment Using Computer Vision. IEEE Transactions on Affective Computing, 2022, 13, 28-45.	5.7	24
2	Ensembles of Convolutional Neural Networks for Survival Time Estimation of High-Grade Glioma Patients from Multimodal MRI. Diagnostics, 2022, 12, 345.	1.3	7
3	Classification of global microglia proliferation based on deep learning with local images. , 2022, , .		0
4	A disector-based framework for the automatic optical fractionator. Journal of Chemical Neuroanatomy, 2022, 124, 102134.	1.0	0
5	Discovery of a Generalization Gap of Convolutional Neural Networks on COVID-19 X-Rays Classification. IEEE Access, 2021, 9, 72970-72979.	2.6	28
6	Multimodal spatio-temporal deep learning approach for neonatal postoperative pain assessment. Computers in Biology and Medicine, 2021, 129, 104150.	3.9	34
7	Multimodal neonatal procedural and postoperative pain assessment dataset. Data in Brief, 2021, 35, 106796.	0.5	12
8	An adaptive digital stain separation method for deep learning-based automatic cell profile counts. Journal of Neuroscience Methods, 2021, 354, 109102.	1.3	3
9	A Radiogenomics Ensemble to Predict EGFR and KRAS Mutations in NSCLC. Tomography, 2021, 7, 154-168.	0.8	15
10	Future roles of artificial intelligence in early pain management of newborns. Paediatric and Neonatal Pain, 2021, 3, 134-145.	0.6	12
11	Lung Nodule Malignancy Prediction in Sequential CT Scans: Summary of ISBI 2018 Challenge. IEEE Transactions on Medical Imaging, 2021, 40, 3748-3761.	5.4	13
12	Pattern Recognition in Vital Signs Using Spectrograms. , 2021, , .		1
13	Challenges for the Repeatability of Deep Learning Models. IEEE Access, 2020, 8, 211860-211868.	2.6	37
14	Convolutional Neural Network ensembles for accurate lung nodule malignancy prediction 2 years in the future. Computers in Biology and Medicine, 2020, 122, 103882.	3.9	22
15	Gaze-based classification of autism spectrum disorder. Pattern Recognition Letters, 2020, 135, 204-212.	2.6	13
16	Mitigating Adversarial Attacks on Medical Image Understanding Systems. , 2020, , .		20
17	First Investigation into the Use of Deep Learning for Continuous Assessment of Neonatal Postoperative Pain. , 2020, , .		2
18	Hybrid models for lung nodule malignancy prediction utilizing convolutional neural network ensembles and clinical data. Journal of Medical Imaging, 2020, 7, 1.	0.8	3

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19	Lung Nodule Sizes Are Encoded When Scaling CT Image for CNN's. Tomography, 2020, 6, 209-215.	0.8	5
20	Deep Feature Stability Analysis Using CT Images of a Physical Phantom across Scanner Manufacturers, Cartridges, Pixel Sizes, and Slice Thickness. Tomography, 2020, 6, 250-260.	0.8	6
21	Multisite Technical and Clinical Performance Evaluation of Quantitative Imaging Biomarkers from 3D FDG PET Segmentations of Head and Neck Cancer Images. Tomography, 2020, 6, 65-76.	0.8	4
22	Convolutional Neural Networks for Neonatal Pain Assessment. IEEE Transactions on Biometrics, Behavior, and Identity Science, 2019, 1, 192-200.	3.8	16
23	Pain Assessment From Facial Expression: Neonatal Convolutional Neural Network (N-CNN). , 2019, , .		12
24	SQL-Identifier Injection Attacks. , 2019, , .		1
25	Automatic ground truth for deep learning stereology of immunostained neurons and microglia in mouse neocortex. Journal of Chemical Neuroanatomy, 2019, 98, 1-7.	1.0	13
26	Revealing Tumor Habitats from Texture Heterogeneity Analysis for Classification of Lung Cancer Malignancy and Aggressiveness. Scientific Reports, 2019, 9, 4500.	1.6	31
27	Harnessing the Power of Deep Learning Methods in Healthcare: Neonatal Pain Assessment from Crying Sound. , 2019, , .		5
28	Multi-Channel Neural Network for Assessing Neonatal Pain from Videos. , 2019, , .		14
29	A Dual-Task Interference Game-Based Experimental Framework for Comparing the Usability of Authentication Methods. , 2019, , .		0
30	Automatic Cell Counting using Active Deep Learning and Unbiased Stereology. , 2019, , .		3
31	1191â€ƒUse of Artificial Intelligence for Identification of Celiac and Vascular Lesions on Capsule Endoscopy. American Journal of Gastroenterology, 2019, 114, S669-S669.	0.2	0
32	Automated Cell Counts on Tissue Sections by Deep Learning and Unbiased Stereology. Journal of Chemical Neuroanatomy, 2019, 96, 94-101.	1.0	25
33	Automatic stereology of mean nuclear size of neurons using an active contour framework. Journal of Chemical Neuroanatomy, 2019, 96, 110-115.	1.0	3
34	Explaining Deep Features Using Radiologist-Defined Semantic Features and Traditional Quantitative Features. Tomography, 2019, 5, 192-200.	0.8	24
35	Towards deep radiomics: nodule malignancy prediction using CNNs on feature images. , 2019, , .		1
36	Automatic pressure ulcer measurement using RGB-D data. , 2019, , .		0

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37	Coauthentication. , 2019, , .		0
38	Semi‐automated pulmonary nodule interval segmentation using the <scp>NLST</scp> data. Medical Physics, 2018, 45, 1093-1107.	1.6	17
39	Radiomics in Brain Tumor: Image Assessment, Quantitative Feature Descriptors, and Machine-Learning Approaches. American Journal of Neuroradiology, 2018, 39, 208-216.	1.2	281
40	A Review of Automated Pain Assessment in Infants: Features, Classification Tasks, and Databases. IEEE Reviews in Biomedical Engineering, 2018, 11, 77-96.	13.1	58
41	Iterative Deep Learning Based Unbiased Stereology with Human-in-the-Loop. , 2018, , .		6
42	Toward Ubiquitous Assessment of Neonates' Health Condition. , 2018, , .		0
43	Representation of Deep Features using Radiologist defined Semantic Features. , 2018, 2018, .		2
44	Delta radiomic features improve prediction for lung cancer incidence: A nested case‐control analysis of the National Lung Screening Trial. Cancer Medicine, 2018, 7, 6340-6356.	1.3	27
45	Delta Radiomics Improves Pulmonary Nodule Malignancy Prediction in Lung Cancer Screening. IEEE Access, 2018, 6, 77796-77806.	2.6	72
46	Automatic Infants' Pain Assessment by Dynamic Facial Representation: Effects of Profile View, Gestational Age, Gender, and Race. Journal of Clinical Medicine, 2018, 7, 173.	1.0	17
47	Predicting Nodule Malignancy using a CNN Ensemble Approach. , 2018, 2018, .		32
48	Infants' Pain Recognition Based on Facial Expression: Dynamic Hybrid Descriptions. IEICE Transactions on Information and Systems, 2018, E101.D, 1860-1869.	0.4	5
49	Predicting malignant nodules by fusing deep features with classical radiomics features. Journal of Medical Imaging, 2018, 5, 1.	0.8	68
50	Stability of deep features across CT scanners and field of view using a physical phantom. , 2018, , .		1
51	Fine-tuning convolutional deep features for MRI based brain tumor classification. Proceedings of SPIE, 2017, , .	0.8	37
52	Multi‐site quality and variability analysis of 3D FDG PET segmentations based on phantom and clinical image data. Medical Physics, 2017, 44, 479-496.	1.6	22
53	Unbiased estimation of cell number using the automatic optical fractionator. Journal of Chemical Neuroanatomy, 2017, 80, A1-A8.	1.0	24
54	A framework for nucleus and overlapping cytoplasm segmentation in cervical cytology extended depth of field and volume images. Computerized Medical Imaging and Graphics, 2017, 59, 38-49.	3.5	36

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55	Identifying spatial imaging biomarkers of glioblastoma multiforme for survival group prediction. Journal of Magnetic Resonance Imaging, 2017, 46, 115-123.	1.9	69
56	Synthetic minority image over-sampling technique: How to improve AUC for glioblastoma patient survival prediction. , 2017, , .		14
57	Finding label noise examples in large scale datasets. , 2017, , .		10
58	Automated Pain Assessment in Neonates. Lecture Notes in Computer Science, 2017, , 350-361.	1.0	18
59	Radiomics of Lung Nodules: A Multi-Institutional Study of Robustness and Agreement of Quantitative Imaging Features. Tomography, 2016, 2, 430-437.	0.8	108
60	Deep Feature Transfer Learning in Combination with Traditional Features Predicts Survival among Patients with Lung Adenocarcinoma. Tomography, 2016, 2, 388-395.	0.8	128
61	Predicting Ki67% expression from DCE-MR images of breast tumors using textural kinetic features in tumor habitats. , 2016, , .		1
62	Videoâ€based 3D reconstruction, laparoscope localization and deformation recovery for abdominal minimally invasive surgery: a survey. International Journal of Medical Robotics and Computer Assisted Surgery, 2016, 12, 158-178.	1.2	55
63	A new approach to detect and segment overlapping cells in multi-layer cervical cell volume images. , 2016, , .		23
64	Change descriptors for determining nodule malignancy in national lung screening trial CT screening images. , 2016, , .		0
65	A quantitative histogram-based approach to predict treatment outcome for Soft Tissue Sarcomas using pre- and post-treatment MRIs. , 2016, , .		1
66	Combining deep neural network and traditional image features to improve survival prediction accuracy for lung cancer patients from diagnostic CT. , 2016, , .		45
67	Improving malignancy prediction through feature selection informed by nodule size ranges in NLST. , 2016, 2016, 001939-1944.		5
68	Predicting Malignant Nodules from Screening CT Scans. Journal of Thoracic Oncology, 2016, 11, 2120-2128.	0.5	226
69	Signal intensity analysis of ecological defined habitat in soft tissue sarcomas to predict metastasis development. Proceedings of SPIE, 2016, , .	0.8	1
70	Exploring deep features from brain tumor magnetic resonance images via transfer learning. , 2016, , .		3
71	An approach for automated multimodal analysis of infants' pain. , 2016, , .		31
72	Nucleus segmentation in histology images with hierarchical multilevel thresholding. Proceedings of SPIE, 2016, , .	0.8	22

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73	Classification of progression free survival with nasopharyngeal carcinoma tumors. , 2016, , .		4
74	Diagnostic and predictive quantitative-imaging features in lung cancer screening. Journal of Thoracic Oncology, 2016, 11, S41-S42.	0.5	1
75	A Comparison of Lung Nodule Segmentation Algorithms: Methods and Results from a Multi-institutional Study. Journal of Digital Imaging, 2016, 29, 476-487.	1.6	68
76	Active cleaning of label noise. Pattern Recognition, 2016, 51, 463-480.	5.1	34
77	Correlation Based Random Subspace Ensembles for Predicting Number of Axillary Lymph Node Metastases in Breast DCE-MRI Tumors. , 2015, , .		2
78	Heterogeneity in intratumoral regions with rapid gadolinium washout correlates with estrogen receptor status and nodal metastasis. Journal of Magnetic Resonance Imaging, 2015, 42, 1421-1430.	1.9	44
79	Quantitative imaging biomarkers: A review of statistical methods for computer algorithm comparisons. Statistical Methods in Medical Research, 2015, 24, 68-106.	0.7	137
80	Imbalanced learning for clinical survival group prediction of brain tumor patients. , 2015, , .		1
81	Identifying metastatic breast tumors using textural kinetic features of a contrast based habitat in DCE-MRI. , 2015, , .		4
82	Prediction of treatment outcome in soft tissue sarcoma based on radiologically defined habitats. Proceedings of SPIE, 2015, , .	0.8	4
83	Decoding brain cancer dynamics: a quantitative histogram-based approach using temporal MRI. Proceedings of SPIE, 2015, , .	0.8	4
84	Texture Feature Analysis to Predict Metastatic and Necrotic Soft Tissue Sarcomas. , 2015, , .		10
85	A Robust Approach for Automated Lung Segmentation in Thoracic CT. , 2015, , .		8
86	Pain assessment in infants: Towards spotting pain expression based on infants' facial strain. , 2015, , .		21
87	Evaluation and optimization of remote sensing techniques for detection of Karenia brevis blooms on the West Florida Shelf. Remote Sensing of Environment, 2015, 170, 239-254.	4.6	31
88	Predicting Outcomes of Nonsmall Cell Lung Cancer Using CT Image Features. IEEE Access, 2014, 2, 1418-1426.	2.6	104
89	Exploring Brain Tumor Heterogeneity for Survival Time Prediction. , 2014, , .		5
90	New method for predicting estrogen receptor status utilizing breast MRI texture kinetic analysis. Proceedings of SPIE, 2014, , .	0.8	2

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91	Performance Evaluation of Neuromorphic-Vision Object Recognition Algorithms. , 2014, , .		11
92	Prediction of treatment response and metastatic disease in soft tissue sarcoma. Proceedings of SPIE, 2014, , .	0.8	3
93	Optical Flow Based Expression Suppression in Video. , 2014, , .		1
94	Experiments with large ensembles for segmentation and classification of cervical cancer biopsy images. , 2014, , .		4
95	Using features from tumor subregions of breast DCE-MRI for estrogen receptor status prediction. , 2014, , .		5
96	Radiologically Defined Ecological Dynamics and Clinical Outcomes in Glioblastoma Multiforme: Preliminary Results. Translational Oncology, 2014, 7, 5-13.	1.7	82
97	High-resolution 3D surface strain magnitude using 2D camera and low-resolution depth sensor. Pattern Recognition Letters, 2014, 50, 34-42.	2.6	0
98	Testâ€"Retest Reproducibility Analysis of Lung CT Image Features. Journal of Digital Imaging, 2014, 27, 805-823.	1.6	216
99	Automatic expression spotting in videos. Image and Vision Computing, 2014, 32, 476-486.	2.7	38
100	Reproducibility and Prognosis of Quantitative Features Extracted from CT Images. Translational Oncology, 2014, 7, 72-87.	1.7	258
101	Abstract 4188: Evolutionary dynamics in breast cancer via MRI textural kinetic analysis. , 2014, , .		0
102	Automated delineation of lung tumors from CT images using a single click ensemble segmentation approach. Pattern Recognition, 2013, 46, 692-702.	5.1	138
103	Continuous 3D Face Authentication Using RGB-D Cameras. , 2013, , .		24
104	Effect of Texture Features in Computer Aided Diagnosis of Pulmonary Nodules in Low-Dose Computed Tomography. , 2013, , .		24
105	Survival time prediction of patients with glioblastoma multiforme tumors using spatial distance measurement. , 2013, , .		9
106	A Texture Feature Ranking Model for Predicting Survival Time of Brain Tumor Patients. , 2013, , .		4
107	View-Invariant Method for Calculating 2D Optical Strain. Lecture Notes in Computer Science, 2013, , 42-49.	1.0	1
108	Detection of the Vanishing Line of the Ocean Surface from Pairs of Scale-Invariant Keypoints. Lecture Notes in Computer Science, 2013, , 161-169.	1.0	1

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109	An Ensemble Algorithm Framework for Automated Stereology of Cervical Cancer. Lecture Notes in Computer Science, 2013, , 823-832.	1.0	1
110	ITERATIVE FEATURE PERTURBATION AS A GENE SELECTOR FOR MICROARRAY DATA. International Journal of Pattern Recognition and Artificial Intelligence, 2012, 26, 1260003.	0.7	26
111	Radiomics: the process and the challenges. Magnetic Resonance Imaging, 2012, 30, 1234-1248.	1.0	1,675
112	A novel algorithm for automated counting of stained cells on thick tissue sections. , 2012, , .		1
113	Detection and tracking of ships in open sea with rapidly moving buoy-mounted camera system. Ocean Engineering, 2012, 54, 1-12.	1.9	90
114	A semiautomatic CT-based ensemble segmentation of lung tumors: Comparison with oncologists' delineations and with the surgical specimen. Radiotherapy and Oncology, 2012, 105, 167-173.	0.3	99
115	Increased classification accuracy and speedup through pair-wise feature selection for support vector machines. , 2011, , .		5
116	Convergence of the Single-Pass and Online Fuzzy C-Means Algorithms. IEEE Transactions on Fuzzy Systems, 2011, 19, 792-794.	6.5	39
117	Macro- and micro-expression spotting in long videos using spatio-temporal strain. , 2011, , .		119
118	Developing a classifier model for lung tumors in CT-scan images. , 2011, , .		25
119	Automatic location of microscopic focal planes for computerized stereology. , 2011, , .		1
120	Toward automated quantification of biological microstructures using unbiased stereology. , 2011, , .		1
121	Procedure for stability analysis of gene selection from cross-site gene expression data. , 2011, , .		0
122	Detection of Anomalous Particles from the Deepwater Horizon Oil Spill Using the SIPPER3 Underwater Imaging Platform. , 2011, , .		3
123	MODEL-BASED RECOVERY OF FLUID FLOW PARAMETERS FROM VIDEO. International Journal of Pattern Recognition and Artificial Intelligence, 2011, 25, 309-336.	0.7	1
124	Evaluation of Facial Reconstructive Surgery on Patients with Facial Palsy Using Optical Strain. Lecture Notes in Computer Science, 2011, , 512-519.	1.0	3
125	Complications in using automated methods to increase clinical trial accrual. International Journal of Biomedical Engineering and Technology, 2010, 4, 134.	0.2	0
126	Modeling Facial Skin Motion Properties in Video and Its Application to Matching Faces across Expressions. , 2010, , .		2

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127	Detecting Wires in Cluttered Urban Scenes Using a Gaussian Model. , 2010, , .		10
128	Filtering for improved gene selection on microarray data. , 2010, , .		2
129	Tracking Ships from Fast Moving Camera through Image Registration. , 2010, , .		23
130	On convergence properties of the singlepass and online fuzzy c-means algorithm. , 2010, , .		1
131	Understanding Transit Scenes: A Survey on Human Behavior-Recognition Algorithms. IEEE Transactions on Intelligent Transportation Systems, 2010, 11, 206-224.	4.7	229
132	Face recognition under camouflage and adverse illumination. , 2010, , .		5
133	Evaluating scalable fuzzy clustering. , 2010, , .		5
134	Towards macro- and micro-expression spotting in video using strain patterns. , 2009, , .		69
135	A Scalable Framework For Segmenting Magnetic Resonance Images. Journal of Signal Processing Systems, 2009, 54, 183-203.	1.4	64
136	A scalable framework for cluster ensembles. Pattern Recognition, 2009, 42, 676-688.	5.1	85
137	Automatic red tide detection from MODIS satellite images. , 2009, , .		6
138	Detection of Thin Lines using Low-Quality Video from Low-Altitude Aircraft in Urban Settings. IEEE Transactions on Aerospace and Electronic Systems, 2009, 45, 937-949.	2.6	59
139	Framework for Performance Evaluation of Face, Text, and Vehicle Detection and Tracking in Video: Data, Metrics, and Protocol. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2009, 31, 319-336.	9.7	390
140	Fast Support Vector Machines for Continuous Data. IEEE Transactions on Systems, Man, and Cybernetics, 2009, 39, 989-1001.	5.5	19
141	Autonomous buoy platform for low-cost visual maritime surveillance: design and initial deployment. Proceedings of SPIE, 2009, , .	0.8	13
142	Detection and tracking of marine vehicles in video. , 2008, , .		26
143	Wire detection in low-altitude, urban, and low-quality video frames. , 2008, , .		9
144	Towards registration of temporal mammograms by finite element simulation of MR breast volumes. , 2008, , .		3

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145	Finite element modeling of facial deformation in videos for computing strain pattern. , 2008, , .		4
146	Towards a framework for analysis of biophotonic images of mouse models of cancer. , 2008, 2008, 3079-82.		2
147	Feature selection for microarray data by AUC analysis. Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics, 2008, , .	0.0	6
148	How effective is human video surveillance performance?. , 2008, , .		33
149	A new edge-based text verification approach for video. , 2008, , .		10
150	Robust segmentation using kernel and spatial based fuzzy c-means methods on breast x-ray images. Proceedings of SPIE, 2008, , .	0.8	0
151	Face Recognition by Multi-Frame Fusion of Rotating Heads in Videos. , 2007, , .		12
152	Toward detection of marine vehicles on horizon from buoy camera. , 2007, , .		11
153	A fuzzy c means variant for clustering evolving data streams. , 2007, , .		23
154	A baseline algorithm for face detection and tracking in video. Proceedings of SPIE, 2007, , .	0.8	2
155	Facial Strain Pattern as a Soft Forensic Evidence. Proceedings IEEE Workshop on Applications of Computer Vision, 2007, , .	0.0	12
156	Clinical deployment of a medical expert system to increase accruals for clinical trials: Challenges. , 2007, , .		2
157	Creating Streaming Iterative Soft Clustering Algorithms. , 2007, , .		13
158	Single Pass Fuzzy C Means. IEEE International Conference on Fuzzy Systems, 2007, , .	0.0	75
159	A sensitivity analysis method and its application in physics-based nonrigid motion modeling. Image and Vision Computing, 2007, 25, 262-273.	2.7	7
160	Data-driven feature modeling, recognition and analysis in a discovery of supersonic cracks in multimillion-atom simulations. Pattern Recognition, 2007, 40, 2400-2407.	5.1	1
161	Noise-Based Feature Perturbation as a Selection Method for Microarray Data. , 2007, , 237-247.		7
162	Horizon Detection Using Machine Learning Techniques. , 2006, , .		57

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163	Vision-based on-board collision avoidance system for aircraft navigation. , 2006, , .		9
164	A Cluster Ensemble Framework for Large Data sets. , 2006, , .		22
165	Performance Evaluation of Text Detection and Tracking in Video. Lecture Notes in Computer Science, 2006, , 576-587.	1.0	8
166	Selection of patients for clinical trials: an interactive web-based system. Artificial Intelligence in Medicine, 2004, 31, 241-254.	3.8	43
167	Gesture recognition using Bezier curves for visualization navigation from registered 3-D data. Pattern Recognition, 2004, 37, 1011-1024.	5.1	56
168	A Modeling Approach for Burn Scar Assessment Using Natural Features and Elastic Property. IEEE Transactions on Medical Imaging, 2004, 23, 1325-1329.	5.4	20
169	Recognizing Plankton Images From the Shadow Image Particle Profiling Evaluation Recorder. IEEE Transactions on Systems, Man, and Cybernetics, 2004, 34, 1753-1762.	5.5	69
170	A methodology for extracting objective color from images. IEEE Transactions on Systems, Man, and Cybernetics, 2004, 34, 1964-1978.	5.5	13
171	Three-dimensional finite element model for lesion correspondence in breast imaging. , 2004, 5370, 1372.		3
172	3D nonrigid motion analysis under small deformations. Image and Vision Computing, 2003, 21, 229-245.	2.7	30
173	Classification of masses on mammograms using support vector machine. , 2003, , .		5
174	Towards Physically-Sound Registration Using Object-Specific Properties for Regularization. Lecture Notes in Computer Science, 2003, , 358-366.	1.0	6
175	NONRIGID MOTION AND STRUCTURE ANALYSIS FROM 2D WITH APPLICATION TOWARDS 3D CLOUD TRACKING. Series in Machine Perception and Artificial Intelligence, 2002, , 57-87.	0.1	0
176	Comparison of Edge Detector Performance through Use in an Object Recognition Task. Computer Vision and Image Understanding, 2001, 84, 160-178.	3.0	74
177	Matching point features under small nonrigid motion. Pattern Recognition, 2001, 34, 2353-2365.	5.1	22
178	Automatic segmentation of non-enhancing brain tumors in magnetic resonance images. Artificial Intelligence in Medicine, 2001, 21, 43-63.	3.8	232
179	SOFTWARE TOOLKIT FOR TEACHING IMAGE PROCESSING. International Journal of Pattern Recognition and Artificial Intelligence, 2001, 15, 833-844.	0.7	6
180	KNOWLEDGE-GUIDED CLASSIFICATION OF COASTAL ZONE COLOR IMAGES OFF THE WEST FLORIDA SHELF. International Journal of Pattern Recognition and Artificial Intelligence, 2000, 14, 987-1007.	0.7	12

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181	A METHOD FOR INCREASING PRECISION AND RELIABILITY OF ELASTICITY ANALYSIS IN COMPLICATED BURN SCAR CASES. International Journal of Pattern Recognition and Artificial Intelligence, 2000, 14, 189-210.	0.7	4
182	Model-based force-driven nonrigid motion recovery from sequences of range images without point correspondences. Image and Vision Computing, 1999, 17, 997-1007.	2.7	12
183	Scar Assessment: Current Problems and Future Solutions. Journal of Burn Care and Research, 1999, 20, 54-60.	1.7	89
184	Efficient Nonlinear Finite Element Modeling of Nonrigid Objects via Optimization of Mesh Models. Computer Vision and Image Understanding, 1998, 69, 330-350.	3.0	25
185	The Space Envelope: A Representation for 3D Scenes. Computer Vision and Image Understanding, 1998, 69, 310-329.	3.0	16
186	MRI Measurement of Brain Tumor Response: Comparison of Visual Metric and Automatic Segmentation. Magnetic Resonance Imaging, 1998, 16, 271-279.	1.0	93
187	Fast fuzzy clustering. Fuzzy Sets and Systems, 1998, 93, 49-56.	1.6	114
188	Integrating Image Computation in Undergraduate Level Data-Structure Education. International Journal of Pattern Recognition and Artificial Intelligence, 1998, 12, 1071-1080.	0.7	14
189	<title>Automatic brain tumor segmentation</title>. , 1998, 3338, 533.		0
190	<title>Segmenting nonenhancing brain tumors from normal tissues in magnetic resonance images</title>. , 1998, , .		0
191	<title>Toward fully automated analysis of tagged and nontagged MR cardiac images</title>. , 1996, , .		1
192	Left ventricular boundary detection from spatio-temporal volumetric computed tomography images. Computerized Medical Imaging and Graphics, 1995, 19, 27-46.	3.5	14
193	Parallel algorithms for circle detection in images. Pattern Recognition, 1994, 27, 1019-1028.	5.1	20
194	Estimating non-rigid motion from point and line correspondences. Pattern Recognition Letters, 1994, 15, 559-566.	2.6	1
195	Motion estimation from scaled orthographic projections without correspondences. Image and Vision Computing, 1994, 12, 95-108.	2.7	11
196	<title>Utilizing fuzzy c-Shells for automatic approximate LV location for initialization of myocardial structure and function analysis algorthms</title>. , 1994, , .		0
197	Analysis of Intensity and Range Image Sequences Using Adaptive-Size Meshes. Journal of Visual Communication and Image Representation, 1993, 4, 364-381.	1.7	2
198	<title>Knowledge-based classification and tissue labeling of magnetic resonance images of human brain</title>. , 1993, 1905, 554.		4

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199	<title>Automatic tracking of SPAMM grid and the estimation of deformation parameters from cardiac MR images</title>. , 1993, 1905, 194.		0
200	<title>Nonrigid motion analysis using nonlinear finite element modeling</title>. , 1993, , .		3
201	<title>Left-ventricular boundary detection from spatiotemporal volumetric CT images</title>. , 1993, , .		5
202	<title>Left ventricle wall motion tracking using curvature properties</title>. , 1992, , .		1
203	<title>Extracting known and inferred shape information from a single view</title>. , 1992, 1828, 2.		5
204	<title>Left ventricle motion modeling and analysis by adaptive-size physically based models</title>. , 1992, 1660, 299.		5
205	<title>Sampling and surface reconstruction with adaptive-size meshes</title>. , 1992, , .		4
206	Matching and motion estimation of three-dimensional point and line sets using eigenstructure without correspondences. Pattern Recognition, 1992, 25, 271-286.	5.1	25
207	<title>Motion estimation without correspondences and object tracking over long time sequences</title>. , 1991, , .		0
208	<title>Application of the nonrigid shape matching algorithm to volumetric cardiac images</title>. , 1991, , .		4
209	<title>Toward computing the aspect graph of deformable generalized cylinders</title>. , 1991, , .		1
210	<title>Extracting local stretching from left ventricle angiography data</title>. , 1991, 1450, 218.		4
211	<title>Motion estimation from points without correspondences from scaled orthographic projections</title>. , 1990, 1260, 70.		0
212	Extracting motion parameters from the left ventricle angiography data. , 1990, 1245, 171.		3
213	Terrain analysis from curvature profiles. International Journal of Imaging Systems and Technology, 1990, 2, 169-182.	2.7	9
214	Scaling Fuzzy Models. , 0, , 31-53.		1