Shohreh Kasaei

List of Publications by Year
in descending order

141 papers	1,598 citations	516561 16 h-index	395590 33 g-index
142 all docs	142 docs citations	142 times ranked	1621 citing authors

#	Article	IF	Citations
1	Deep Learning for Visual Tracking: A Comprehensive Survey. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 3943-3968.	4.7	152
2	Generating unrestricted adversarial examples via three parameteres. Multimedia Tools and Applications, 2022, 81, 21919-21938.	2.6	5
3	NRSfPP: non-rigid structure-from-perspective projection. Multimedia Tools and Applications, 2021, 80, 9093-9108.	2.6	0
4	Uncalibrated multi-view multiple humans association and 3D pose estimation by adversarial learning. Multimedia Tools and Applications, 2021, 80, 2461-2488.	2.6	4
5	Efficient scale estimation methods using lightweight deep convolutional neural networks for visual tracking. Neural Computing and Applications, 2021, 33, 8319-8334.	3.2	6
6	COMET: Context-Aware IoU-Guided Network for Small Object Tracking. Lecture Notes in Computer Science, 2021, , 594-611.	1.0	8
7	Adaptive exploitation of pre-trained deep convolutional neural networks for robust visual tracking. Multimedia Tools and Applications, 2021, 80, 22027-22076.	2.6	3
8	A survey on indoor RGB-D semantic segmentation: from hand-crafted features to deep convolutional neural networks. Multimedia Tools and Applications, 2020, 79, 4499-4524.	2.6	23
9	Sample complexity of classification with compressed input. Neurocomputing, 2020, 415, 286-294.	3.5	0
10	Lightweight residual densely connected convolutional neural network. Multimedia Tools and Applications, 2020, 79, 25571-25588.	2.6	9
11	Scale Equivariant CNNs with Scale Steerable Filters. , 2020, , .		7
12	Class Attention Map Distillation for Efficient Semantic Segmentation. , 2020, , .		1
13	3M2RNet: Multi-Modal Multi-Resolution Refinement Network for Semantic Segmentation. Advances in Intelligent Systems and Computing, 2020, , 544-557.	0.5	1
14	Body Field: Structured Mean Field with Human Body Skeleton Model and Shifted Gaussian Edge Potentials. Journal of Information Systems and Telecommunication, 2020, 8, 71-83.	0.2	0
15	SC-RANSAC: Spatial consistency on RANSAC. Multimedia Tools and Applications, 2019, 78, 9429-9461.	2.6	20
16	Dynamic 3D Hand Gesture Recognition by Learning Weighted Depth Motion Maps. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 1729-1740.	5.6	32
17	Color Image Segmentation Using a Fuzzy Inference System. , 2019, , .		0
18	A weighting scheme for mining key skeletal joints for human action recognition. Multimedia Tools and Applications, 2019, 78, 31319-31345.	2.6	4

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19	Rotation-Aware Discriminative Scale Space Tracking. , 2019, , .		6
20	Extended histogram: probabilistic modelling of video content temporal evolutions. Multidimensional Systems and Signal Processing, 2019, 30, 175-193.	1.7	2
21	SURFACE ROUGHNESS OF ELECTROSPUN NANOFIBROUS MATS BY A NOVEL IMAGE PROCESSING TECHNIQUE. Surface Review and Letters, 2019, 26, 1830005.	0.5	4
22	Automatic Access Control Based on Face and Hand Biometrics in a Non-cooperative Context. , 2018, , .		3
23	Regression‐based convolutional 3D pose estimation from single image. Electronics Letters, 2018, 54, 292-293.	0.5	2
24	Supervised spatio-temporal kernel descriptor for human action recognition from RGB-depth videos. Multimedia Tools and Applications, 2018, 77, 14115-14135.	2.6	14
25	Multiple human 3D pose estimation from multiview images. Multimedia Tools and Applications, 2018, 77, 15573-15601.	2.6	64
26	Perspective reconstruction of non-rigid surfaces from single-view videos. , 2017, , .		2
27	A Novel User-Friendly Image Analysis Technique for Determination of Electrospun Nanofibrous Mats Thickness. Nano, 2017, 12, 1750130.	0.5	1
28	A Survey on Deep Learning Based Approaches for Action and Gesture Recognition in Image Sequences. , 2017, , .		119
29	Projection matrix by orthogonal vanishing points. Multimedia Tools and Applications, 2017, 76, 16189-16223.	2.6	2
30	A real-time grid-based method for estimating nearest neighbors in euclidean space. , 2017, , .		0
31	High‐order Markov random field for single depth image super‐resolution. IET Computer Vision, 2017, 11, 683-690.	1.3	11
32	Adaptive spatio-temporal context learning for visual target tracking. , 2017, , .		2
33	Similarity measures for intersection of camera view frustums. , 2017, , .		0
34	Action Recognition from RGB-D Data: Comparison and Fusion of Spatio-Temporal Handcrafted Features and Deep Strategies. , 2017, , .		12
35	Deep Learning for Action and Gesture Recognition in Image Sequences: A Survey. The Springer Series on Challenges in Machine Learning, 2017, , 539-578.	10.4	31
36	Skeleton-based Human Action Recognition - A Learning Method based on Active Joints. , 2017, , .		1

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37	Human body 3D reconstruction in multiview soccer scenes by depth optimization. , 2016, , .		1
38	Pose estimation of soccer players using multiple uncalibrated cameras. Multimedia Tools and Applications, 2016, 75, 6809-6827.	2.6	10
39	A robust keypoint extraction and matching algorithm based on wavelet transform and information theory for point-based registration in endoscopic sinus cavity data. Signal, Image and Video Processing, 2016, 10, 983-991.	1.7	3
40	Learning strengths and weaknesses of classifiers for RGB-D semantic segmentation. , 2015, , .		1
41	3D reconstruction of non-rigid surfaces from realistic monocular video. , 2015, , .		3
42	Persian handwritten digit recognition by random forest and convolutional neural networks. , 2015, , .		14
43	Fast homography refinement in soccer videos. , 2015, , .		6
44	A novel video temporal error concealment algorithm based on moment invariants. , 2015, , .		4
45	Automatic segmentation of mandible in panoramic x-ray. Journal of Medical Imaging, 2015, 2, 044003.	0.8	36
46	Robust homography optimization in soccer scenes. , 2015, , .		3
47	Semantic Segmentation of RGB-D Images Using 3D and Local Neighbouring Features. , 2015, , .		2
48	Automatic soccer field line recognition by minimum information. , 2015, , .		2
49	Multiple soccer players tracking. , 2015, , .		12
50	A robust SIFT-based descriptor for video classification. , 2015, , .		1
51	Object tracking using Kalman filter with adaptive sampled histogram. , 2015, , .		8
52	Computational-Based Approach for Predicting Porosity of Electrospun Nanofiber Mats Using Response Surface Methodology and Artificial Neural Network Methods. Journal of Macromolecular Science - Physics, 2015, 54, 1404-1425.	0.4	12
53	Online adaptive motion model-based target tracking using local search algorithm. Engineering Applications of Artificial Intelligence, 2015, 37, 307-318.	4.3	9
54	Benign and malignant breast tumors classification based on region growing and CNN segmentation. Expert Systems With Applications, 2015, 42, 990-1002.	4.4	313

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55	A new feature descriptor for 3D human action recognition. , 2014, , .		2
56	An efficient inference in meanfield approximation by adaptive manifold filtering (Machine learning) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50		0
57	RGB-D scene segmentation with Conditional Random Field. , 2014, , .		0
58	Permutohedral lattice in 3D point cloud processing. , 2014, , .		3
59	Feature-based image stitching with repetitive patterns using local phase quantization. , 2014, , .		2
60	View invariant human action recognition using fourier-based and radon-based point cloud analysis. , 2014, , .		1
61	BSIFT: Boosting SIFT using principal component analysis. , 2014, , .		2
62	Multiview 3D reconstruction and human point cloud classification. , 2014, , .		1
63	An efficient augmented reality method for sports scene visualization from single moving camera. , 2014, , .		2
64	Multiview 3D reconstruction based on vanishing points and homography. , 2014, , .		2
65	Event Detection and Summarization in Soccer Videos Using Bayesian Network and Copula. IEEE Transactions on Circuits and Systems for Video Technology, 2014, 24, 291-304.	5.6	86
66	A Bayesian Framework for Sparse Representation-Based 3-D Human Pose Estimation. IEEE Signal Processing Letters, 2014, 21, 297-300.	2.1	15
67	Multiview face recognition based on multilinear decomposition and pose manifold. IET Image Processing, 2014, 8, 300-309.	1.4	9
68	Head pose estimation and face recognition using a non€linear tensor€based model. IET Computer Vision, 2014, 8, 54-65.	1.3	9
69	A Novel Boundary Matching Algorithm for Video Temporal Error Concealment. International Journal of Image Graphics and Signal Processing, 2014, 6, 1-10.	0.8	2
70	Dynamic temporal error concealment for video data in error-prone environments. , 2013, , .		3
71	<title>Fuzzy regularized linear discriminant analysis for face recognition</title>. , 2012, , .		0
72	Design and implementation of a fully autonomous humanoid soccer robot. Industrial Robot, 2012, 39, 17-26.	1.2	4

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73	<title>Neural network-based brain tissue segmentation in MR images using extracted features from intraframe coding in H.264</title>. , 2012, , .		1
74	Exploiting multiview properties in semi-supervised video classification. , 2012, , .		0
75	Human action categorization using discriminative local spatio-temporal feature weighting. Intelligent Data Analysis, 2012, 16, 537-550.	0.4	2
76	Reference-free monocular 3D tacking of deformable surfaces. , 2012, , .		1
77	3D human action recognition using Gaussian processes dynamical models. , 2012, , .		0
78	A fast 3D reconstruction of inextensible surfaces using adaptive weights. , 2011, , .		0
79	An Efficient Down-Sampling Method for Multiresolution Image Completion. , 2011, , .		0
80	Particle Filter-Based Object Tracking Using Adaptive Histogram. , 2011, , .		5
81	Codebook appearance representation for vehicle handover across disjoint-view multicameras. Scientia Iranica, 2011, 18, 1450-1459.	0.3	0
82	Dynamic role engine and formation control for cooperating agents with robust decision€making algorithm. Industrial Robot, 2011, 38, 153-162.	1.2	6
83	Modeling and implementation of a fully autonomous soccer robot based on omni€directional vision system. Industrial Robot, 2010, 37, 279-286.	1.2	10
84	Dimension reduction of remote sensing images by incorporating spatial and spectral properties. AEU - International Journal of Electronics and Communications, 2010, 64, 729-732.	1.7	7
85	Change Detection in Optical Remote Sensing Images Using Difference-Based Methods and Spatial Information. IEEE Geoscience and Remote Sensing Letters, 2010, 7, 215-219.	1.4	22
86	A Multispectral Image Segmentation Method Using Size-Weighted Fuzzy Clustering and Membership Connectedness. IEEE Geoscience and Remote Sensing Letters, 2010, 7, 520-524.	1.4	18
87	AdaBoost-Based Face Detection in Color Images with Low False Alarm. , 2010, , .		9
88	Dimension Reduction of Optical Remote Sensing Images via Minimum Change Rate Deviation Method. IEEE Transactions on Geoscience and Remote Sensing, 2010, 48, 198-206.	2.7	22
89	Neighboring vehicles modeling for tracking across nonoverlapping cameras. , 2010, , .		1
90	Face Recognition Using Boosted Regularized Linear Discriminant Analysis. , 2010, , .		0

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91	A fast and adaptive boundary matching algorithm for video error concealment. , 2010, , .		3
92	Construction and Application of SVM Model and Wavelet-PCA for Face Recognition. , 2009, , .		3
93	Change detection in remote sensing images using modified polynomial regression and spatial multivariate alteration detection. Journal of Applied Remote Sensing, 2009, 3, 033561.	0.6	4
94	A new dynamic cellular learning automata-based skin detector. Multimedia Systems, 2009, 15, 309-323.	3.0	19
95	Spatial error concealment: A novel exemplar-based approach using segmentation. Computers and Electrical Engineering, 2009, 35, 536-548.	3.0	8
96	Skin detection using contourlet texture analysis. , 2009, , .		3
97	Fast and Robust Multiframe Superresolution Using Inhibition Principle. , 2009, , .		2
98	A novel vehicle tracking method with occlusion handling using longest common substring of chain-codes. , 2009, , .		3
99	Real-time multiple face detection and tracking. , 2009, , .		7
100	Wavelet Transform and Fusion of Linear and Non Linear Method for Face Recognition. , 2009, , .		3
101	Cellular learning automata-based color image segmentation using adaptive chains. , 2009, , .		5
102	Skin Detection Using Contourlet-Based Texture Analysis. , 2009, , .		16
103	Tensor-based face representation and recognition using multi-linear subspace analysis. , 2009, , .		1
104	Color PCA eigenimages and their application to compression and watermarking. Image and Vision Computing, 2008, 26, 878-890.	2.7	29
105	Skin segmentation based on cellular learning automata. , 2008, , .		16
106	Fast and Robust Tracker in Distance Learning Applications Using Uncalibrated Stereo Cameras. , 2008, , .		2
107	A New Fuzzy Connectedness Relation for Image Segmentation. , 2008, , .		5
108	Fuzzy Image Segmentation Using Membership Connectedness. Eurasip Journal on Advances in Signal Processing, 2008, 2008, .	1.0	12

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109	Object-Based Video Coding for Distance Learning Using Stereo Cameras. Communications in Computer and Information Science, 2008, , 176-185.	0.4	1
110	An Adaptive Method for Moving Object Blending in Dynamic Mosaicing. Communications in Computer and Information Science, 2008, , 203-210.	0.4	1
111	Object Modeling for Multicamera Correspondence Using Fuzzy Region Color Adjacency Graphs. Communications in Computer and Information Science, 2008, , 637-644.	0.4	1
112	Analysis of the Growth Process of Neural Cells in Culture Environment Using Image Processing Techniques. Communications in Computer and Information Science, 2008, , 732-736.	0.4	0
113	Multispectral brain MRI segmentation using genetic fuzzy systems. , 2007, , .		8
114	Video cut detection in E-Learning applications. , 2007, , .		0
115	A Boosted Skin Detection Method based on Pixel and Block Information. Proc Int Symp Image Signal Process Anal, 2007, , .	0.0	9
116	A fast method for prior probability selection based on maximum entropy principle and Gibbs sampler. , 2007, , .		0
117	Content-Based Video Coding for Distance Learning. , 2007, , .		3
118	Automatic Localization of Cephalometric Landmarks. , 2007, , .		11
119	Improvement of Zernike moment descriptors on affine transformed shapes. , 2007, , .		9
120	An efficient PCA-based color transfer method. Journal of Visual Communication and Image Representation, 2007, 18, 15-34.	1.7	52
121	A personal search agent system. , 2006, , .		0
122	Fast Registration of Remotely Sensed Images for Earthquake Damage Estimation. Eurasip Journal on Advances in Signal Processing, 2006, 2006, 1.	1.0	3
123	Fast Intra-Prediction Mode Decision in H.264 Advanced Video Coding. , 2006, , .		3
124	Unsupervised, fast and efficient colour-image copy protection. IET Communications, 2005, 152, 605.	1.0	6
125	A novel fuzzy approach to recognition of online Persian handwriting. , 2005, , .		19
126	Prioritisation of Data Partitioned MPEG-4 Video over GPRS/EGPRS Mobile Networks. Lecture Notes in Computer Science, 2005, , 68-82.	1.0	3

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127	Novel Post-Processing Methods Used in Detection of Blotches in Image Sequences. AEU - International Journal of Electronics and Communications, 2004, 58, 58-64.	1.7	7
128	An Adaptive Approach to Singular Point Detection in Fingerprint Images. AEU - International Journal of Electronics and Communications, 2004, 58, 367-370.	1.7	11
129	Remotely sensed change detection using multiresolution analysis and motion estimation. , 2004, , .		0
130	A novel fingerprint image compression technique using wavelets packets and pyramid lattice vector quantization. IEEE Transactions on Image Processing, 2002, 11, 1365-1378.	6.0	28
131	A novel adaptive approach to fingerprint enhancement filter design. Signal Processing: Image Communication, 2002, 17, 849-855.	1.8	14
132	An efficient quantization technique for wavelet coefficients of fingerprint images. Signal Processing, 1997, 62, 361-366.	2.1	7
133	Deliberate distortion of color image and video resources for copyright protection. , 0, , .		0
134	An efficient parameter selection criterion for image denoising. , 0, , .		6
135	Enhanced cross-diamond-hexagonal search algorithms for fast block motion estimation. , 0, , .		3
136	Half-Pixel Accuracy Block Matching Motion Estimation Algorithms for Low Bitrate Video Communications. , 0, , .		7
137	Prioritisation of Data Partitioned MPEG-4 for Streaming Video in GPRS Mobile Networks. , 0, , .		1
138	An Efficient Adaptive Interpolation Scheme for Fast Mesh-Based Motion Estimation. , 0, , .		0
139	Error reduction using prediction residual matrices in fast block motion estimation. , 0, , .		0
140	An Efficient Wavelet/Neural Networks-Based Face Detection Algorithm. , 0, , .		4
141	Effective fusion of deep multitasking representations for robust visual tracking. Visual Computer, 0, , 1.	2.5	1