

Bilge Günsel

List of Publications by Year in descending order

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Version: 2024-02-01

85
papers

993
citations

933264

10
h-index

610775

24
g-index

86
all docs

86
docs citations

86
times ranked

620
citing authors

#	ARTICLE	IF	CITATIONS
1	Incremental subspace learning via non-negative matrix factorization. Pattern Recognition, 2009, 42, 788-797.	5.1	111
2	Temporal video segmentation using unsupervised clustering and semantic object tracking. Journal of Electronic Imaging, 1998, 7, 592.	0.5	95
3	Robust watermarking of fingerprint images. Pattern Recognition, 2002, 35, 2739-2747.	5.1	86
4	Two-dimensional mesh-based visual-object representation for interactive synthetic/natural digital video. Proceedings of the IEEE, 1998, 86, 1029-1051.	16.4	75
5	Perceptual audio features for emotion detection. Eurasip Journal on Audio, Speech, and Music Processing, 2012, 2012, .	1.3	50
6	Shape similarity matching for query-by-example. Pattern Recognition, 1998, 31, 931-944.	5.1	48
7	Content-based video abstraction. , 0, , .		46
8	Content-based access to video objects: Temporal Segmentation, visual summarization, and feature extraction. Signal Processing, 1998, 66, 261-280.	2.1	41
9	Video indexing through integration of syntactic and semantic features. , 0, , .		29
10	<title>Object-based indexing of MPEG-4 compressed video</title>. , 1997, 3024, 953.		24
11	Video Content Representation by Incremental Non-Negative Matrix Factorization. , 2007, , .		22
12	Multiple model target tracking with variable rate particle filters. , 2012, 22, 417-429.		21
13	Reconstruction and Boundary Detection of Range and Intensity Images Using Multiscale MRF Representations. Computer Vision and Image Understanding, 1996, 63, 353-366.	3.0	20
14	Robust Audio Watermark Decoding by Supervised Learning. , 0, , .		20
15	Content-based access to art paintings. , 2005, , .		18
16	<title>Hierarchical temporal video segmentation and content characterization</title>. , 1997, 3229, 46.		16
17	Object-based video indexing for virtual-studio productions. , 0, , .		13
18	Incremental Nonnegative Matrix Factorization for Background Modeling in Surveillance Video. , 2007, , .		13

#	ARTICLE	IF	CITATIONS
19	Robust object tracking via integration of particle filtering with deep detection. , 2019, 87, 112-124.		13
20	Annealed SMC Samplers for Nonparametric Bayesian Mixture Models. IEEE Signal Processing Letters, 2011, 18, 3-6.	2.1	12
21	Perceptually enhanced blind single-channel music source separation by Non-negative Matrix Factorization. , 2013, 23, 646-658.		11
22	TDIOT: Target-Driven Inference for Deep Video Object Tracking. IEEE Transactions on Image Processing, 2021, 30, 7938-7951.	6.0	11
23	A novel perceptual feature set for audio emotion recognition. , 2011, , .		10
24	A multiresolution non-negative tensor factorization approach for single channel sound source separation. Signal Processing, 2014, 105, 56-69.	2.1	9
25	Tissue density classification in mammographic images using local features. , 2013, , .		8
26	Controlling SIP server overload with priority based request scheduling. , 2015, , .		8
27	Design of a Deep Face Detector by Mask R-CNN. , 2019, , .		8
28	Content-based copy detection by a subspace learning based video fingerprinting scheme. Multimedia Tools and Applications, 2014, 71, 1381-1409.	2.6	7
29	Variable rate adaptive color-based particle filter tracking. , 2016, , .		7
30	Visual surface reconstruction and boundary detection using stochastic models. , 0, , .		6
31	An integrated decoding framework for audio watermark extraction. , 2004, , .		6
32	Perceptual single-channel audio source separation by non-negative matrix factorization. , 2009, , .		6
33	Unsupervised classification of SAR images using normalized gamma process mixtures. , 2013, 23, 1344-1352.		6
34	Integration of regularized l1 tracking and instance segmentation for video object tracking. Neurocomputing, 2021, 423, 284-300.	3.5	6
35	Boundary detection using multiscale Markov random fields. , 0, , .		5
36	Annealed SMC Samplers for Dirichlet Process Mixture Models. , 2010, , .		5

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37	An Analysis Tool to Evaluate Effect of Retransmissions on SIP Server Overloading. , 2013, , .		5
38	Strict Prioritization of New Requests over Retransmissions for Enhancing Scalability of SIP Servers. IEICE Transactions on Communications, 2014, E97.B, 2680-2688.	0.4	5
39	Motion and shape signatures for object-based indexing of MPEG-4 compressed video. , 0, , .		4
40	Blind audio watermark decoding using independent component analysis. , 2004, , .		4
41	Transform Invariant Video Fingerprinting by NMF. Lecture Notes in Computer Science, 2009, , 452-459.	1.0	4
42	Medium term speaker state detection by perceptually masked spectral features. Speech Communication, 2015, 67, 26-41.	1.6	4
43	Online speaker emotion tracking with a dynamic state transition model. , 2016, , .		4
44	Robust object tracking by interleaving variable rate color particle filtering and deep learning. , 2017, , .		4
45	Supervised learning of smoothing parameters in image restoration by regularization under cellular neural networks framework. , 0, , .		3
46	Moving visual representations of video objects for content-based search and browsing. , 0, , .		3
47	Uyarlarur psikoakustik maskeleye kullanilarak gurbuz ses damgalama - Robust audio watermarking by adaptive psychoacoustic masking. , 0, , .		3
48	Perceptual Audio Watermarking by Learning in Wavelet Domain. , 2006, , .		3
49	An integrated on-line audio watermark decoding scheme for broadcast monitoring. Multimedia Tools and Applications, 2008, 40, 1-21.	2.6	3
50	Incremental clustering via nonnegative matrix factorization. , 2008, , .		3
51	A multiple model structure for tracking by variable rate particle filters. , 2008, , .		3
52	Key-frame based video fingerprinting by NMF. , 2010, , .		3
53	Sleepiness detection from speech by perceptual features. , 2013, , .		3
54	Modeling of Priority-based Request Scheduling Mechanism for Finite Buffer SIP Servers. , 2016, , .		3

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55	Analytical Model of Priority Based Request Scheduling Mechanism Preventing SIP Server Overload. , 2016, , .		3
56	Novelty Detection on Metallic Surfaces by GMM Learning in Gabor Space. Lecture Notes in Computer Science, 2010, , 325-334.	1.0	3
57	<title>Robust watermarking of busy images</title>. , 2001, 4314, 18.		2
58	<title>User preference matching for smart browsing of media contents</title>. , 2001, 4315, 330.		2
59	Detection of sea targets from thermal images. , 0, , .		2
60	A pattern recognition framework to blind audio watermark decoding. AEU - International Journal of Electronics and Communications, 2009, 63, 92-102.	1.7	2
61	Online video scene clustering by competitive incremental NMF. Signal, Image and Video Processing, 2013, 7, 723-739.	1.7	2
62	Head rotation classification using dense motion estimation and particle filter tracking. , 2015, , .		2
63	On fluidâ€flow modeling of priority based request scheduling for finite buffer SIP server. International Journal of Communication Systems, 2017, 30, e3357.	1.6	2
64	Video action classification by deep learning. , 2017, , .		2
65	YOLOv3 as a Deep Face Detector. , 2019, , .		2
66	Target Aware Visual Object Tracking. Lecture Notes in Computer Science, 2019, , 186-198.	1.0	2
67	Segmentation of range and intensity images using multiscale Markov random field representations. , 0, , .		1
68	Music Genre Determination Using Audio Fingerprinting. , 0, , .		1
69	An adaptive time-frequency resolution framework for single channel source separation based on non-negative tensor factorization. , 2013, , .		1
70	Integration of motion and localization features for head movement classification. , 2015, , .		1
71	Speaker emotional state classification by DPM models with annealed SMC samplers. , 2015, , .		1
72	On modeling of priority-based SIP request scheduling. Simulation Modelling Practice and Theory, 2018, 80, 128-144.	2.2	1

#	ARTICLE	IF	CITATIONS
73	Object tracking by deep object detectors and particle filtering. , 2018, , .		1
74	Digital Audio Watermarking by Learning in Wavelet Domain. , 0, , .		0
75	Blind audio source separation by NTF and its perceptual quality evaluation. , 2008, , .		0
76	Target tracking with regularized variable rate particle filters. , 2008, , .		0
77	Negatif olmayan matris ayrıştırma ile ikili video kiyimlama binary video hashing by non-negative matrix factorization. , 2010, , .		0
78	Learning emotional speech by using Dirichlet Process Mixtures. , 2011, , .		0
79	SAR image classification with normalized gamma process mixtures. , 2013, , .		0
80	Head motion classification with 2D motion estimation. , 2014, , .		0
81	Single channel audio source separation by Clustered NMF. , 2014, , .		0
82	Analysis tool for SIP server loading. , 2015, , .		0
83	Modeling of SIP retransmission traffic under lossy network conditions. , 2017, , .		0
84	Robust object tracking by variable rate kernel particle filter. , 2018, , .		0
85	A context-aware mobile application framework using audio watermarking. Multimedia Systems, 2020, 26, 323-337.	3.0	0