

Mujdat Cetin

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7096703/publications.pdf>

Version: 2024-02-01

175
papers

5,737
citations

279798

23
h-index

106344

65
g-index

176
all docs

176
docs citations

176
times ranked

3878
citing authors

#	ARTICLE	IF	CITATIONS
1	Changes in EEG complexity with neurofeedback and multi-sensory learning in children with dyslexia: A multiscale entropy analysis. <i>Applied Neuropsychology: Child</i> , 2022, 11, 133-144.	1.4	14
2	A mobile app that uses neurofeedback and multi-sensory learning methods improves reading abilities in dyslexia: A pilot study. <i>Applied Neuropsychology: Child</i> , 2022, 11, 518-528.	1.4	15
3	Compressive Synthetic Aperture Radar Imaging and Autofocusing by Augmented Lagrangian Methods. <i>IEEE Transactions on Computational Imaging</i> , 2022, 8, 273-285.	4.4	7
4	Video-SAR Imaging of Dynamic Scenes Using Low-Rank and Sparse Decomposition. <i>IEEE Transactions on Computational Imaging</i> , 2021, 7, 384-398.	4.4	12
5	Online discriminative graph learning from multi-class smooth signals. <i>Signal Processing</i> , 2021, 186, 108101.	3.7	15
6	Plug-and-Play Synthetic Aperture Radar Image Formation Using Deep Priors. <i>IEEE Transactions on Computational Imaging</i> , 2021, 7, 43-57.	4.4	26
7	What Does Your Computational Imaging Algorithm Not Know?: A Plug-and-Play Model Quantifying Model Uncertainty. , 2021, , .		1
8	Online Graph Learning under Smoothness Priors. , 2021, , .		6
9	EEG Emotion Recognition via Graph-based Spatio-Temporal Attention Neural Networks. , 2021, 2021, 571-574.		7
10	Prediction of Reaction Time and Vigilance Variability From Spatio-Spectral Features of Resting-State EEG in a Long Sustained Attention Task. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2020, 24, 2550-2558.	6.3	26
11	Pseudo-Marginal MCMC Sampling for Image Segmentation Using Nonparametric Shape Priors. <i>IEEE Transactions on Image Processing</i> , 2019, 28, 5702-5715.	9.8	5
12	Context-Aware Confidence Sets for Fine-Grained Product Recognition. <i>IEEE Access</i> , 2019, 7, 76376-76393.	4.2	5
13	A Novel Plug-and-Play SAR Reconstruction Framework Using Deep Priors. , 2019, , .		9
14	Combining Nonparametric Spatial Context Priors With Nonparametric Shape Priors for Dendritic Spine Segmentation in 2-Photon Microscopy Images. , 2019, , .		1
15	Emotionality of Turkish language and primary adaptation of affective English norms for Turkish. <i>Current Psychology</i> , 2019, 38, 273-294.	2.8	4
16	Prediction of Response Time and Vigilance Score in a Sustained Attention Task from Pre-trial Phase Synchrony using Deep Neural Networks. , 2019, 2019, 676-679.		4
17	Neural Signatures of Motor Skill in the Resting Brain. , 2019, , .		2
18	Joint SAR Imaging and Multi-Feature Decomposition From 2-D Under-Sampled Data Via Low-Rankness Plus Sparsity Priors. <i>IEEE Transactions on Computational Imaging</i> , 2019, 5, 1-16.	4.4	24

#	ARTICLE	IF	CITATIONS
19	Improved DInSAR time-series reconstruction in the presence of phase unwrapping errors using Huber-norm. IET Radar, Sonar and Navigation, 2019, 13, 1063-1073.	1.8	4
20	RmSAT-CFAR: Fast and accurate target detection in radar images. SoftwareX, 2018, 8, 39-42.	2.6	2
21	Fast target detection in radar images using Rayleigh Mixtures and Summed Area Tables. , 2018, 77, 86-101.		7
22	Image Segmentation Using Disjunctive Normal Bayesian Shape and Appearance Models. IEEE Transactions on Medical Imaging, 2018, 37, 293-305.	8.9	11
23	Image Segmentation by Deep Learning of Disjunctive Normal Shape Model Shape Representation. , 2018, , .		0
24	Tracking-assisted Detection of Dendritic Spines in Time-Lapse Microscopic Images. Neuroscience, 2018, 394, 189-205.	2.3	10
25	Electroencephalographic identifiers of reading abilities in turkish language. , 2018, , .		2
26	Improving cognitive functions of dyslexies using multi-sensory learning and EEG neurofeedback. , 2018, , .		10
27	A subaperture based approach for SAR moving target imaging by low-rank and sparse decomposition. , 2018, , .		1
28	Sparsity-driven coupled imaging and autofocusing for interferometric SAR. , 2018, , .		0
29	Sparse 4D TomoSAR imaging in the presence of non-linear deformation. , 2018, , .		0
30	SAR ATR in the phase history domain using deep convolutional neural networks. , 2018, , .		6
31	SAR moving object imaging using sparsity imposing priors. Eurasip Journal on Advances in Signal Processing, 2017, 2017, .	1.7	8
32	Autofocused compressive SAR imaging based on the alternating direction method of multipliers. , 2017, , .		13
33	Electroencephalographic identifiers of motor adaptation learning. Journal of Neural Engineering, 2017, 14, 046027.	3.5	18
34	Disjunctive Normal Parametric Level Set With Application to Image Segmentation. IEEE Transactions on Image Processing, 2017, 26, 2618-2631.	9.8	14
35	Dendritic spine classification using shape and appearance features based on two-photon microscopy. Journal of Neuroscience Methods, 2017, 279, 13-21.	2.5	30
36	Coupled shape priors for dynamic segmentation of dendritic spines. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
37	Nonparametric Joint Shape and Feature Priors for Image Segmentation. IEEE Transactions on Image Processing, 2017, 26, 5312-5323.	9.8	18
38	Retail product recognition with a graphical shelf model. , 2017, , .		2
39	SAR imaging of moving targets by subaperture based low-rank and sparse decomposition. , 2017, , .		8
40	A Markov Chain Monte Carlo based rigid image registration method. , 2017, , .		1
41	3B dendritic spine segmentation using nonparametric shape priors. , 2017, , .		0
42	On comparison of different classification techniques for the fine-grained retail product recognition problem. , 2017, , .		1
43	Pre-movement contralateral EEG low beta power is modulated with motor adaptation learning. , 2017, , .		1
44	Sparse representation-based algorithm for joint SAR image formation and autofocus. Signal, Image and Video Processing, 2017, 11, 589-596.	2.7	7
45	Recursive Bayesian Coding for BCIs. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2017, 25, 704-714.	4.9	19
46	Disjunctive Normal Shape Boltzmann Machine. , 2017, , .		6
47	Compressed Sensing ISAR Reconstruction Considering Highly Maneuvering Motion. Electronics (Switzerland), 2017, 6, 21.	3.1	9
48	An Augmented Lagrangian Method for Complex-Valued Compressed SAR Imaging. IEEE Transactions on Computational Imaging, 2016, 2, 235-250.	4.4	79
49	Dendritic spine classification based on two-photon microscopic images using sparse representation. , 2016, , .		0
50	Resting-state EEG correlates of motor learning performance in a force-field adaptation task. , 2016, , .		1
51	Classification of motor task execution speed from EEG data. , 2016, , .		0
52	Disjunctive normal unsupervised LDA for P300-based brain-computer interfaces. , 2016, , .		0
53	Disjunctive normal level set: An efficient parametric implicit method. , 2016, 2016, 4299-4303.		3
54	MCMC Shape Sampling for Image Segmentation with Nonparametric Shape Priors. , 2016, , .		11

#	ARTICLE	IF	CITATIONS
55	Dendritic spine shape analysis using disjunctive normal shape models. , 2016, , .		4
56	Detection of motor task difficulty level from EEG data. , 2016, , .		0
57	Context-aware hybrid classification system for fine-grained retail product recognition. , 2016, , .		16
58	On comparison of manifold learning techniques for dendritic spine classification. , 2016, , .		4
59	Covariance Matrix Estimation for Interest-Rate Risk Modeling via Smooth and Monotone Regularization. IEEE Journal on Selected Topics in Signal Processing, 2016, 10, 1006-1014.	10.8	15
60	Asynchronous decoding of finger movements from ECoG signals using long-range dependencies conditional random fields. Journal of Neural Engineering, 2016, 13, 036017.	3.5	10
61	Nonparametric joint shape and feature priors for segmentation of dendritic spines. , 2016, , .		3
62	Dendritic Spine Shape Analysis: A Clustering Perspective. Lecture Notes in Computer Science, 2016, , 256-273.	1.3	2
63	An Augmented Lagrangian Method for autofocused Compressed SAR Imaging. , 2015, , .		4
64	Low-rank sparse matrix decomposition for sparsity-driven SAR image reconstruction. , 2015, , .		7
65	An Augmented Lagrangian Method for image reconstruction with multiple features. , 2015, , .		9
66	Word-level language modeling for P300 spellers based on discriminative graphical models. Journal of Neural Engineering, 2015, 12, 026007.	3.5	8
67	On the Quality and Timeliness of Fusion in a Random Access Sensor Network. IEEE Signal Processing Letters, 2015, 22, 1259-1263.	3.6	1
68	Dendritic spine shape classification from two-photon microscopy images. , 2015, , .		6
69	Automated dendritic spine tracking on 2-photon microscopic images. , 2015, , .		0
70	Adaptive neurofeedback on parieto-occipital cortex for motor learning performance. , 2015, , .		0
71	Semi-supervised adaptation of motor imagery based BCI systems. , 2015, , .		1
72	Information-theoretic noisy band detection in hyperspectral imagery. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
73	Sparsity-driven SAR image reconstruction via low-rank sparse matrix decomposition. , 2015, , .		1
74	A joint classification and segmentation approach for dendritic spine segmentation in 2-photon microscopy images. , 2015, , .		11
75	Design and comparative evaluation of a BCI-based upper extremity robotic rehabilitation protocol. , 2015, , .		0
76	Disjunctive normal shape models. , 2015, 2015, 1535-1539.		16
77	Sparsity-driven bandwidth-efficient decentralized tracking in visual sensor networks. Computer Vision and Image Understanding, 2015, 139, 40-58.	4.7	1
78	Disjunctive Normal Shape and Appearance Priors with Applications to Image Segmentation. Lecture Notes in Computer Science, 2015, 9351, 703-710.	1.3	14
79	Dictionary learning for sparsity-driven SAR image reconstruction. , 2014, , .		7
80	Automatic dendritic spine detection using multiscale dot enhancement filters and SIFT features. , 2014, , .		10
81	Detection of task difficulty from intention level information in the EEG features. , 2014, , .		2
82	Dictionary learning-based approach for SAR image reconstruction. , 2014, , .		1
83	Combining learning-based intensity distributions with nonparametric shape priors for image segmentation. Signal, Image and Video Processing, 2014, 8, 789-798.	2.7	10
84	Feature compression: A framework for multi-view multi-person tracking in visual sensor networks. Journal of Visual Communication and Image Representation, 2014, 25, 864-873.	2.8	9
85	Sparsity-Driven Synthetic Aperture Radar Imaging: Reconstruction, autofocusing, moving targets, and compressed sensing. IEEE Signal Processing Magazine, 2014, 31, 27-40.	5.6	234
86	Optimization of decentralized random field estimation networks under communication constraints through Monte Carlo methods. , 2014, 34, 16-28.		1
87	Sparsity and Compressed Sensing in Mono-Static and Multi-Static Radar Imaging. Signals and Communication Technology, 2014, , 395-421.	0.5	0
88	Decentralized Human Tracking in Visual Sensor Networks: Using Sparse Representation for Efficient Communication. , 2014, , 45-73.		0
89	Multiple Feature-Enhanced SAR Imaging Using Sparsity in Combined Dictionaries. IEEE Geoscience and Remote Sensing Letters, 2013, 10, 821-825.	3.1	31
90	A robust nonlinear scale space change detection approach for SAR images. Proceedings of SPIE, 2013, , .	0.8	5

#	ARTICLE	IF	CITATIONS
91	Compressed Sensing of Monostatic and Multistatic SAR. IEEE Geoscience and Remote Sensing Letters, 2013, 10, 1444-1448.	3.1	36
92	A sparsity-driven approach to multi-camera tracking in visual sensor networks. , 2013, , .		2
93	Detection of intention level in response to task difficulty from EEG signals. , 2013, , .		5
94	Incorporation of a language model into a brain computer interface based speller through HMMs. , 2013, , .		7
95	Discriminative Methods for Classification of Asynchronous Imaginary Motor Tasks From EEG Data. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2013, 21, 716-724.	4.9	84
96	Control of a BCI-based upper limb rehabilitation system utilizing posterior probabilities. , 2013, , .		4
97	The first Brain-Computer Interface utilizing a Turkish language model. , 2013, , .		1
98	Brain Computer Interface based robotic rehabilitation with online modification of task speed. , 2013, 2013, 6650423.		26
99	A watershed and active contours based method for dendritic spine segmentation in 2-photon microscopy images. , 2013, , .		2
100	Biomedical image time series registration with particle filtering. , 2013, , .		0
101	Interactive ship segmentation in SAR images. , 2013, , .		1
102	Sparsity driven ultrasound imaging. Journal of the Acoustical Society of America, 2012, 131, 1271-1281.	1.1	28
103	A latent discriminative model-based approach for classification of imaginary motor tasks from EEG data. Journal of Neural Engineering, 2012, 9, 026020.	3.5	40
104	Segmentation of inhomogeneous foreground and background intensity objects using a probability density function based data term and nonparametric shape priors. , 2012, , .		0
105	Automatic and semi-automatic extraction of curvilinear features from SAR images. Proceedings of SPIE, 2012, , .	0.8	2
106	Region based target detection approach for synthetic aperture radar images and its parallel implementation. Proceedings of SPIE, 2012, , .	0.8	5
107	Special Issue on Awards from ICPR 2010. Pattern Recognition Letters, 2012, 33, 808-810.	4.2	0
108	A Sparsity-Driven Approach for Joint SAR Imaging and Phase Error Correction. IEEE Transactions on Image Processing, 2012, 21, 2075-2088.	9.8	178

#	ARTICLE	IF	CITATIONS
109	Sparsity-driven image formation and space-variant focusing for SAR. , 2011, , .		5
110	Parameter Selection in Sparsity-Driven SAR Imaging. IEEE Transactions on Aerospace and Electronic Systems, 2011, 47, 3040-3050.	4.7	34
111	A graphical model based solution to the facial feature point tracking problem. Image and Vision Computing, 2011, 29, 335-350.	4.5	11
112	SAR moving target imaging in a sparsity-driven framework. Proceedings of SPIE, 2011, , .	0.8	11
113	A group sparsity-driven approach to 3-D action recognition. , 2011, , .		5
114	Monte Carlo Optimization of Decentralized Estimation Networks Over Directed Acyclic Graphs Under Communication Constraints. IEEE Transactions on Signal Processing, 2011, 59, 5558-5576.	5.3	3
115	Sparsity and Compressed Sensing in Radar Imaging. Proceedings of the IEEE, 2010, 98, 1006-1020.	21.3	546
116	Coupled Nonparametric Shape and Moment-Based Intershape Pose Priors for Multiple Basal Ganglia Structure Segmentation. IEEE Transactions on Medical Imaging, 2010, 29, 1959-1978.	8.9	16
117	Segmentation of Anatomical Structures in Brain MR Images Using Atlases in FSL - A Quantitative Approach. , 2010, , .		1
118	A brain-computer interface algorithm based on Hidden Markov models and dimensionality reduction. , 2010, , .		0
119	Joint sparsity-driven inversion and model error correction for radar imaging. , 2010, , .		5
120	Discrimination of Moderate and Acute Drowsiness Based on Spontaneous Facial Expressions. , 2010, , .		21
121	A brain-computer interface system for online spelling. , 2010, , .		2
122	Design, Implementation and Evaluation of a Real-Time P300-based Brain-Computer Interface System. , 2010, , .		4
123	Sparsity-driven focused SAR image formation. , 2010, , .		0
124	AR-PCA-HMM Approach for Sensorimotor Task Classification in EEG-based Brain-Computer Interfaces. , 2010, , .		12
125	Automatic Annotation of X-Ray Images: A Study on Attribute Selection. Lecture Notes in Computer Science, 2010, , 97-109.	1.3	4
126	Automated X-Ray Image Annotation. Lecture Notes in Computer Science, 2010, , 247-254.	1.3	1

#	ARTICLE	IF	CITATIONS
127	Volumetric segmentation of multiple basal ganglia structures using nonparametric coupled shape and inter-shape pose priors. , 2009, , .		1
128	Decentralized random-field estimation under communication constraints. , 2009, , .		0
129	Compressed sensing of mono-static and multi-static SAR. , 2009, , .		31
130	Multiple feature-enhanced synthetic aperture radar imaging. , 2009, , .		8
131	An efficient Monte Carlo approach for optimizing decentralized estimation networks constrained by undirected topologies. , 2009, , .		2
132	A nonquadratic regularization based image reconstruction technique for SAR data with phase errors. , 2009, , .		0
133	Sparse Signal Representation for Complex-Valued Imaging. , 2009, , .		10
134	A nonquadratic regularization-based technique for joint SAR imaging and model error correction. Proceedings of SPIE, 2009, , .	0.8	20
135	Multi-object segmentation using coupled nonparametric shape and relative pose priors. , 2009, , .		0
136	Binary and nonbinary description of hypointensity for search and retrieval of brain MR images. Proceedings of SPIE, 2009, , .	0.8	1
137	Machine Learning Systems for Detecting Driver Drowsiness. , 2009, , 97-110.		29
138	Stereo based 3D head pose tracking using the scale invariant featrue transform. , 2008, , .		1
139	segmentation of multiple brain structures using coupled nonparametric shape priors. , 2008, , .		2
140	Target localization in acoustic sensor networks using factor graphs. , 2008, , .		3
141	Detecting driver drowsiness using computer vision techniques. , 2008, , .		2
142	Sparse Representation in Structured Dictionaries With Application to Synthetic Aperture Radar. IEEE Transactions on Signal Processing, 2008, 56, 3548-3561.	5.3	136
143	Segmentation of the evolving left ventricle by learning the dynamics. , 2008, , .		3
144	Coupled nonparametric shape priors for segmentation of multiple basal ganglia structures. , 2008, , .		4

#	ARTICLE	IF	CITATIONS
145	Learning the Dynamics and Time-Recursive Boundary Detection of Deformable Objects. IEEE Transactions on Image Processing, 2008, 17, 2186-2200.	9.8	11
146	Hyper-parameter selection in advanced synthetic aperture radar imaging algorithms. , 2008, , .		1
147	Joint space aspect reconstruction of wide-angle SAR exploiting sparsity. Proceedings of SPIE, 2008, , .	0.8	36
148	Hyper-parameter selection in non-quadratic regularization-based radar image formation. , 2008, , .		8
149	Data Mining Spontaneous Facial Behavior with Automatic Expression Coding. Lecture Notes in Computer Science, 2008, , 1-20.	1.3	18
150	Eye Feature Point Tracking by Using Graphical Models. , 2007, , .		0
151	Graphical Model-based Approaches to Target Tracking in Sensor Networks: An Overview of Some Recent Work and Challenges. , 2007, , .		10
152	A Local Binary Patterns and Shape Priors Based Texture Segmentation Method. , 2007, , .		2
153	Factors that Affect Classification Performance in EEG based Brain-Computer Interfaces. , 2007, , .		2
154	A Robust Facial Feature Point Tracker using Graphical Models. , 2007, , .		0
155	Non-quadratic Regularization Based Image Deblurring: Automatic Parameter Selection and Feature Based Evaluation. , 2007, , .		0
156	Robustness of Local Binary Patterns in Brain MR Image Analysis. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 2098-101.	0.5	40
157	A Sparse Signal Representation-based Approach to Image Formation and Anisotropy Determination in Wide-Angle Radar. , 2007, , .		0
158	Drowsy Driver Detection Through Facial Movement Analysis. , 2007, , 6-18.		142
159	Nonparametric shape priors for active contour-based image segmentation. Signal Processing, 2007, 87, 3021-3044.	3.7	94
160	Distributed fusion in sensor networks. IEEE Signal Processing Magazine, 2006, 23, 42-55.	5.6	158
161	Joint image formation and anisotropy characterization in wide-angle SAR. , 2006, , .		12
162	Data association based on optimization in graphical models with application to sensor networks. Mathematical and Computer Modelling, 2006, 43, 1114-1135.	2.0	54

#	ARTICLE	IF	CITATIONS
163	Variational approaches on discontinuity localization and field estimation in sea surface temperature and soil moisture. IEEE Transactions on Geoscience and Remote Sensing, 2006, 44, 336-350.	6.3	3
164	SAR imaging from partial-aperture data with frequency-band omissions. , 2005, , .		41
165	A sparse signal reconstruction perspective for source localization with sensor arrays. IEEE Transactions on Signal Processing, 2005, 53, 3010-3022.	5.3	1,933
166	A nonparametric statistical method for image segmentation using information theory and curve evolution. IEEE Transactions on Image Processing, 2005, 14, 1486-1502.	9.8	249
167	<title>Wide-angle SAR imaging</title>. , 2004, , .		66
168	<title>Region-enhanced imaging for sparse-aperture passive radar</title>. , 2004, , .		4
169	Feature enhancement and ATR performance using nonquadratic optimization-based SAR imaging. IEEE Transactions on Aerospace and Electronic Systems, 2003, 39, 1375-1395.	4.7	51
170	<title>Application of point enhancement technique for ship target recognition by HRR</title>. , 2003, , .		7
171	<title>Multitarget-multisensor data association using the tree-reweighted max-product algorithm</title>. , 2003, , .		33
172	<title>Analysis of the impact of feature-enhanced SAR imaging on ATR performance</title>. , 2002, , .		9
173	<title>Formation of HRR profiles by nonquadratic optimization for improved feature extraction</title>. , 2002, 4727, 213.		4
174	Feature-enhanced synthetic aperture radar image formation based on nonquadratic regularization. IEEE Transactions on Image Processing, 2001, 10, 623-631.	9.8	464
175	Graphical Models and Fusion in Sensor Networks. , 0, , 215-249.		0