

Hamid Krim

List of Publications by Year in descending order

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Version: 2024-02-01

66
papers

743
citations

840776

11
h-index

677142

22
g-index

66
all docs

66
docs citations

66
times ranked

692
citing authors

#	ARTICLE	IF	CITATIONS
1	A multiscale approach to pixel-level image fusion. Integrated Computer-Aided Engineering, 2005, 12, 135-146.	4.6	99
2	Persistent Homology of Delay Embeddings and its Application to Wheeze Detection. IEEE Signal Processing Letters, 2014, 21, 459-463.	3.6	94
3	The decentralized estimation of the sample covariance. , 2008, , .		50
4	Deep Dictionary Learning: A PARAmetric NETwork Approach. IEEE Transactions on Image Processing, 2019, 28, 4790-4802.	9.8	49
5	Fusing Heterogeneous Data: A Case for Remote Sensing and Social Media. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 6956-6968.	6.3	37
6	Analysis Dictionary Learning Based Classification: Structure for Robustness. IEEE Transactions on Image Processing, 2019, 28, 6035-6046.	9.8	29
7	A Generalized Markov Graph Model: Application to Social Network Analysis. IEEE Journal on Selected Topics in Signal Processing, 2013, 7, 318-332.	10.8	27
8	Distributed Localization of Coverage Holes Using Topological Persistence. IEEE Transactions on Signal Processing, 2014, 62, 2531-2541.	5.3	22
9	Sparse Generative Adversarial Network. , 2019, , .		20
10	Divide and Conquer: Localizing Coverage Holes in Sensor Networks. , 2010, , .		18
11	Object Recognition Through Topo-Geometric Shape Models Using Error-Tolerant Subgraph Isomorphisms. IEEE Transactions on Image Processing, 2010, 19, 1191-1200.	9.8	17
12	Bl-sparsity pursuit for robust subspace recovery. , 2015, , .		15
13	Node Dominance: Revealing Community and Core-Periphery Structure in Social Networks. IEEE Transactions on Signal and Information Processing Over Networks, 2016, 2, 186-199.	2.8	15
14	Anomaly Detection in Moving-Camera Video Sequences Using Principal Subspace Analysis. IEEE Transactions on Circuits and Systems I: Regular Papers, 2018, 65, 1003-1015.	5.4	15
15	Cross-Modality Distillation: A Case for Conditional Generative Adversarial Networks. , 2018, , .		14
16	Statistical classification of social networks. , 2012, , .		13
17	Information Diffusion of Topic Propagation in Social Media. IEEE Transactions on Signal and Information Processing Over Networks, 2016, , 1-1.	2.8	13
18	Community Detection and Improved Detectability in Multiplex Networks. IEEE Transactions on Network Science and Engineering, 2020, 7, 1697-1709.	6.4	13

#	ARTICLE	IF	CITATIONS
19	Real time detection of harmonic structure: A case for topological signal analysis. , 2014, , .		12
20	Decision Level Fusion: An Event Driven Approach. , 2018, , .		10
21	Atlantic Hurricane Activity Prediction: A Machine Learning Approach. Atmosphere, 2021, 12, 455.	2.3	10
22	Analysis Dictionary Learning: an Efficient and Discriminative Solution. , 2019, , .		9
23	Statistical Analysis of the Global Geodesic Function for 3D Object Classification. , 2007, , .		8
24	3D face recognition based on evolution of iso-geodesic distance curves. , 2010, , .		8
25	A Novel Framework for Pulse Pressure Wave Analysis Using Persistent Homology. IEEE Signal Processing Letters, 2015, 22, 1879-1883.	3.6	8
26	Image classification: A hierarchical dictionary learning approach. , 2017, , .		8
27	Structured Analysis Dictionary Learning for Image Classification. , 2018, , .		8
28	Robust Multi-Modal Sensor Fusion: An Adversarial Approach. IEEE Sensors Journal, 2021, 21, 1885-1896.	4.7	8
29	Wheeze Detection and Location using Spectro-temporal Analysis of Lung Sounds. , 2013, , .		7
30	Analysis and Control of Beliefs in Social Networks. IEEE Transactions on Signal Processing, 2014, 62, 5552-5564.	5.3	7
31	Geometric modeling of rigid and non-rigid 3D shapes using the global geodesic function. , 2008, , .		6
32	Egeria. , 2017, , .		6
33	Applied topology in static and dynamic sensor networks. , 2012, , .		5
34	Analysis dictionary learning for scene classification. , 2016, , .		5
35	Introduction to the special session on Topological Data Analysis, ICASSP 2016. , 2016, , .		4
36	3D face recognition in the Fourier domain using deformed circular curves. Multidimensional Systems and Signal Processing, 2017, 28, 105-127.	2.6	4

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37	Bi-sparsity pursuit: A paradigm for robust subspace recovery. <i>Signal Processing</i> , 2018, 152, 148-159.	3.7	4
38	Meaningful 3D shape partitioning using Morse functions. , 2009, , .		3
39	Multi-level scene understanding via hierarchical classification. , 2014, , .		3
40	Emergence of core-periphery structure from local node dominance in social networks. , 2015, , .		3
41	Information Subspace-Based Fusion for Vehicle Classification. , 2018, , .		3
42	Nonlinear Multi-scale Super-resolution Using Deep Learning. , 2019, , .		3
43	Robust Group Subspace Recovery: A New Approach for Multi-Modality Data Fusion. <i>IEEE Sensors Journal</i> , 2020, 20, 12307-12316.	4.7	3
44	Dynamic Graph Learning: A Structure-Driven Approach. <i>Mathematics</i> , 2021, 9, 168.	2.2	3
45	An Automatic Synthesizer of Advising Tools for High Performance Computing. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2021, 32, 330-341.	5.6	3
46	Discovering urban functional zones from biased and sparse points of interests and sparse human activities. <i>Expert Systems With Applications</i> , 2022, 207, 118062.	7.6	3
47	Brain MRI T<inf>1</inf>-Map and T<inf>1</inf>-weighted image segmentation in a variational framework. , 2009, , .		2
48	Global Optimization by Adapted Diffusion. <i>IEEE Transactions on Signal Processing</i> , 2010, 58, 6119-6125.	5.3	2
49	Robust detection of periodic patterns in gene expression microarray data using topological signal analysis. , 2014, , .		2
50	Spectral estimation in highly transient data. , 2015, , .		2
51	Real-time multiple DOA estimation of speech sources in wireless acoustic sensor networks. , 2015, , .		2
52	Fusion of Community Structures in Multiplex Networks by Label Constraints. , 2018, , .		2
53	Control and prediction of beliefs on social network. , 2013, , .		1
54	An information theoretic approach for speech source enumeration. , 2013, , .		1

#	ARTICLE	IF	CITATIONS
55	A behavior-based evaluation of product quality. , 2016, , .		1
56	System input–output theoretic three-dimensional measurement based on circular-shaped structured light patterns. Optical Engineering, 2017, 56, 073104.	1.0	1
57	Video Tracking of Insect Flight Path: Towards Behavioral Assessment. , 2018, , .		1
58	Deep Transform and Metric Learning Networks. , 2021, , .		1
59	Generative Information Fusion. , 2021, , .		1
60	A New Approach to Global Optimiation by an Adapted Diffusion. , 2007, , .		0
61	Detection and tracking of systematic time-evolving failures in sensor networks. , 2011, , .		0
62	Beyond union of subspaces: Subspace pursuit on Grassmann manifold for data representation. , 2016, , .		0
63	Information diffusion in interconnected heterogeneous networks. , 2017, , .		0
64	A model-free causality measure based on multi-variate delay embedding. , 2017, , .		0
65	Demystifying Deep Learning: a Geometric Approach to Iterative Projections. , 2018, , .		0
66	Metric Driven Classification: A Non-Parametric Approach Based on the Henze–Penrose Test Statistic. IEEE Transactions on Image Processing, 2018, 27, 5947-5956.	9.8	0