

# Tingting Liu

## List of Publications by Year in descending order

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32  
papers

1,194  
citations

394421

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h-index

677142

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g-index

32  
all docs

32  
docs citations

32  
times ranked

368  
citing authors

#	ARTICLE	IF	CITATIONS
1	Learning Knowledge Graph Embedding With Heterogeneous Relation Attention Networks. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 3961-3973.	11.3	134
2	ARHPE: Asymmetric Relation-Aware Representation Learning for Head Pose Estimation in Industrial Human-Computer Interaction. IEEE Transactions on Industrial Informatics, 2022, 18, 7107-7117.	11.3	123
3	Flexible FTIR Spectral Imaging Enhancement for Industrial Robot Infrared Vision Sensing. IEEE Transactions on Industrial Informatics, 2020, 16, 544-554.	11.3	121
4	Efficient Blind Signal Reconstruction With Wavelet Transforms Regularization for Educational Robot Infrared Vision Sensing. IEEE/ASME Transactions on Mechatronics, 2019, 24, 384-394.	5.8	98
5	NGDNet: Nonuniform Gaussian-label distribution learning for infrared head pose estimation and on-task behavior understanding in the classroom. Neurocomputing, 2021, 436, 210-220.	5.9	89
6	Richardson's Lucy blind deconvolution of spectroscopic data with wavelet regularization. Applied Optics, 2015, 54, 1770.	1.8	67
7	RISIR: Rapid Infrared Spectral Imaging Restoration Model for Industrial Material Detection in Intelligent Video Systems. IEEE Transactions on Industrial Informatics, 2019, , 1-1.	11.3	64
8	Joint Baseline-Correction and Denoising for Raman Spectra. Applied Spectroscopy, 2015, 69, 1013-1022.	2.2	59
9	Blind Poissonian reconstruction algorithm via curvelet regularization for an FTIR spectrometer. Optics Express, 2018, 26, 22837.	3.4	52
10	Multi-order blind deconvolution algorithm with adaptive Tikhonov regularization for infrared spectroscopic data. Infrared Physics and Technology, 2015, 71, 63-69.	2.9	45
11	Facial expression recognition method with multi-label distribution learning for non-verbal behavior understanding in the classroom. Infrared Physics and Technology, 2021, 112, 103594.	2.9	45
12	Human hand gesture recognition with convolutional neural networks for K-12 double-teachers instruction mode classroom. Infrared Physics and Technology, 2020, 111, 103464.	2.9	33
13	Spectral blind deconvolution with differential entropy regularization for infrared spectrum. Infrared Physics and Technology, 2015, 71, 481-491.	2.9	32
14	Blind image restoration with sparse priori regularization for passive millimeter-wave images. Journal of Visual Communication and Image Representation, 2016, 40, 58-66.	2.8	32
15	Blind spectrum reconstruction algorithm with L0-sparse representation. Measurement Science and Technology, 2015, 26, 085502.	2.6	28
16	FBRDLR: Fast blind reconstruction approach with dictionary learning regularization for infrared microscopy spectra. Infrared Physics and Technology, 2018, 90, 101-109.	2.9	27
17	FTIR spectral imaging enhancement for teacher's facial expressions recognition in the intelligent learning environment. Infrared Physics and Technology, 2018, 93, 213-222.	2.9	25
18	Nonlocal low-rank-based blind deconvolution of Raman spectroscopy for automatic target recognition. Applied Optics, 2018, 57, 6461.	1.8	23

#	ARTICLE	IF	CITATIONS
19	GMDL: Toward precise head pose estimation via Gaussian mixed distribution learning for students' attention understanding. Infrared Physics and Technology, 2022, 122, 104099.	2.9	21
20	Understanding Learner Continuance Intention: A Comparison of Live Video Learning, Pre-Recorded Video Learning and Hybrid Video Learning in COVID-19 Pandemic. International Journal of Human-Computer Interaction, 2022, 38, 263-281.	4.8	20
21	Destriping algorithm with LO sparsity prior for remote sensing images. , 2015, , .		13
22	AGCNNs: Attention-guided convolutional neural networks for infrared head pose estimation in assisted driving system. Infrared Physics and Technology, 2022, 123, 104146.	2.9	8
23	Automatic Instructional Pointing Gesture Recognition by Machine Learning in the Intelligent Learning Environment. , 2019, , .		6
24	Parametric spectral signal restoration via maximum entropy constraint and its application. , 2015, , .		5
25	Multi-modal hand gesture designing in multi-screen touchable teaching system for human-computer interaction. , 2018, , .		5
26	Band narrowing with sparsity regularization for spectroscopic data. , 2015, , .		4
27	Robust blind deconvolution for PMMW images with sparsity presentation. , 2016, , .		4
28	DISR: Deep Infrared Spectral Restoration Algorithm for Robot Sensing and Intelligent Visual Tracking Systems. , 2019, , .		4
29	Efficient infrared imaging's blur kernel estimation with multi-scale feature learning for online learning video source. Infrared Physics and Technology, 2021, , 103979.	2.9	3
30	A Computer-assisted Teaching System with Gesture Recognition Technology and Its Applications. , 2017, , .		2
31	Computer-Assisted Teaching Environment for Digital Signal Recognition Course Learning. , 2018, , .		2
32	Construction of Reusable Integrable Multi-layer and Multi-granularity Educational Resource Library. , 2016, , .		0