Yao Wang

List of Publications by Year
in descending order

86 papers	1,490 citations	471509 17 h-index	501196 28 g-index
87 all docs	87 docs citations	87 times ranked	1418 citing authors

#	ARTICLE	IF	CITATIONS
1	A Web- and Mobile-Based Intervention for Women Treated for Breast Cancer to Manage Chronic Pain and Symptoms Related to Lymphedema: Results of a Randomized Clinical Trial. JMIR Cancer, 2022, 8, e29485.	2.4	17
2	Network-Aware 5G Edge Computing for Object Detection: Augmenting Wearables to â€œSeeâ€•More, Farther and Faster. IEEE Access, 2022, 10, 29612-29632.	4.2	7
3	Co-occurring Fatigue and Lymphatic Pain Incrementally Aggravate Their Negative Effects on Activities of Daily Living, Emotional Distress, and Overall Health of Breast Cancer Patients. Integrative Cancer Therapies, 2022, 21, 153473542210896.	2.0	0
4	CDLNet: Noise-Adaptive Convolutional Dictionary Learning Network for Blind Denoising and Demosaicing. IEEE Open Journal of Signal Processing, 2022, 3, 196-211.	3.5	9
5	Investigating Brain White Matter in Football Players with and without Concussion Using a Biophysical Model from Multishell Diffusion MRI. American Journal of Neuroradiology, 2022, 43, 823-828.	2.4	3
6	Gabor is Enough: Interpretable Deep Denoising with a Gabor Synthesis Dictionary Prior. , 2022, , .		1
7	A Deep Learning Approach for Segmentation, Classification and Visualization of 3D High Frequency Ultrasound Images of Mouse Embryos. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2021, 68, 1-1.	3.0	8
8	PDWN: Pyramid Deformable Warping Network for Video Interpolation. IEEE Open Journal of Signal Processing, 2021, 2, 413-424.	3.5	9
9	End-to-End Learnt Image Compression via Non-Local Attention Optimization and Improved Context Modeling. IEEE Transactions on Image Processing, 2021, 30, 3179-3191.	9.8	131
10	The Effects of Kinect-Enhanced Lymphatic Exercise Intervention on Lymphatic Pain, Swelling, and Lymph Fluid Level. Integrative Cancer Therapies, 2021, 20, 153473542110267.	2.0	10
11	Towards Optimal Low-Latency Live Video Streaming. IEEE/ACM Transactions on Networking, 2021, 29, 2327-2338.	3.8	14
12	Effect of Divalent Metal Cations on the Conformation, Elastic Behavior, and Controlled Release of a Photocrosslinked Protein Engineered Hydrogel. ACS Applied Bio Materials, 2021, 4, 3587-3597.	4.6	5
13	Free-Standing Photocrosslinked Protein Polymer Hydrogels for Sustained Drug Release. Biomacromolecules, 2021, 22, 1509-1522.	5.4	7
14	Perspective: Wearable Internet of Medical Things for Remote Tracking of Symptoms, Prediction of Health Anomalies, Implementation of Preventative Measures, and Control of Virus Spread During the Era of COVID-19. Frontiers in Robotics and AI, 2021, 8, 610653.	3.2	13
15	Block-based Learned Image Coding with Convolutional Autoencoder and Intra-Prediction Aided Entropy Coding. , 2021, , .		2
16	Neural Video Coding Using Multiscale Motion Compensation and Spatiotemporal Context Model. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 3182-3196.	8.3	28
17	Lymphatic Pain in Breast Cancer Survivors.. Lymphatic Research and Biology, 2021, , .	1.1	1
18	Controlling Drug Absorption, Release, and Erosion of Photopatterned Protein Engineered Hydrogels. Biomacromolecules, 2020, 21, 3608-3619.	5.4	9

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19	Masked-RPCA: Moving Object Detection With an Overlaying Model. IEEE Open Journal of Signal Processing, 2020, 1, 274-286.	3.5	4
20	Deep Mouse: An End-to-End Auto-Context Refinement Framework for Brain Ventricle & Body Segmentation in Embryonic Mice Ultrasound Volumes. , 2020, 2020, 122-126.		7
21	Adaptive Computationally Efficient Network for Monocular 3D Hand Pose Estimation. Lecture Notes in Computer Science, 2020, , 127-144.	1.3	19
22	Flocking-based live streaming of 360-degree video. , 2020, , .		38
23	Scanner Independent Deep Learning-Based Segmentation Framework Applied to Mouse Embryos. , 2020, , .		1
24	Low-latency FoV-adaptive Coding and Streaming for Interactive 360Â° Video Streaming. , 2020, , .		14
25	Layered Image Compression Using Scalable Auto-Encoder. , 2019, , .		14
26	Very Long Term Field of View Prediction for 360-Degree Video Streaming. , 2019, , .		41
27	Optimal Strategies for Live Video Streaming in the Low-latency Regime. , 2019, , .		12
28	An ADMM Approach to Masked Signal Decomposition Using Subspace Representation. IEEE Transactions on Image Processing, 2019, 28, 3192-3204.	9.8	50
29	Engineered Proteins: Proteinâ€Engineered Functional Materials (Adv. Healthcare Mater. 11/2019). Advanced Healthcare Materials, 2019, 8, 1970047.	7.6	0
30	MTBI Identification From Diffusion MR Images Using Bag of Adversarial Visual Features. IEEE Transactions on Medical Imaging, 2019, 38, 2545-2555.	8.9	18
31	Proteinâ€Engineered Functional Materials. Advanced Healthcare Materials, 2019, 8, e1801374.	7.6	48
32	A Two-Tier System for On-Demand Streaming of 360 Degree Video Over Dynamic Networks. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2019, 9, 43-57.	3.6	41
33	Automatic Mouse Embryo Brain Ventricle & Body Segmentation and Mutant Classification From Ultrasound Data Using Deep Learning. , 2019, , .		5
34	Identification of Relevant Diffusion MRI Metrics Impacting Cognitive Functions Using a Novel Feature Selection Method. , 2019, , .		1
35	An HEVC-Compliant Fast Screen Content Transcoding Framework Based on Mode Mapping. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 3068-3082.	8.3	3
36	A Novel Video Coding Framework Using a Self-Adaptive Dictionary. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 3478-3491.	8.3	1

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37	Protein Engineered Triblock Polymers Composed of Two SADs: Enhanced Mechanical Properties and Binding Abilities. Biomacromolecules, 2018, 19, 1552-1561.	5.4	26
38	Multispectral Image Intrinsic Decomposition via Subspace Constraint. , 2018, , .		6
39	Reconstructing Speech Stimuli From Human Auditory Cortex Activity Using a WaveNet Approach. , 2018, , .		5
40	A Deep Unsupervised Learning Approach Toward MTBI Identification Using Diffusion MRI. , 2018, 2018, 1267-1270.		8
41	Deep Bv: A Fully Automated System for Brain Ventricle Localization and Segmentation In 3D Ultrasound Images of Embryonic Mice. , 2018, 2018, .		9
42	Kinect-Based In-Home Exercise System for Lymphatic Health and Lymphedema Intervention. IEEE Journal of Translational Engineering in Health and Medicine, 2018, 6, 1-13.	3.7	21
43	Generalized Recurrent Neural Network accommodating Dynamic Causal Modeling for functional MRI analysis. NeuroImage, 2018, 178, 385-402.	4.2	15
44	Long-term prediction of Î¼ECOG signals with a spatio-temporal pyramid of adversarial convolutional networks. , 2018, , .		2
45	Automatic body localization and brain ventricle segmentation in 3D high frequency ultrasound images of mouse embryos. , 2018, 2018, 635-639.		7
46	Machine learning for detection of lymphedema among breast cancer survivors. MHealth, 2018, 4, 17-17.	1.6	37
47	Online Cost Efficient Customer Recognition System for Retail Analytics. , 2017, , .		1
48	Prioritized Buffer Control in Two-tier 360 Video Streaming. , 2017, , .		36
49	Denoising of Joint Tracking Data by Kinect Sensors Using Clustered Gaussian Process Regression. , 2017, 2017, 19-25.		6
50	Identifying mild traumatic brain injury patients from MR images using bag of visual words. , 2017, , .		7
51	Text extraction from texture images using masked signal decomposition. , 2017, , .		5
52	View direction and bandwidth adaptive 360 degree video streaming using a two-tier system. , 2017, , .		23
53	Palmprint recognition using deep scattering network. , 2017, , .		26
54	Video object graph: A novel semantic level representation for videos. , 2017, , .		0

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55	Subspace learning in the presence of sparse structured outliers and noise. , 2017, , .		3
56	HEVC-compliant screen content transcoding based on mode mapping and fast termination. , 2017, , .		0
57	mHealth self-care interventions: managing symptoms following breast cancer treatment. MHealth, 2016, 2, 28-28.	1.6	55
58	An experimental study of deep convolutional features for iris recognition. , 2016, , .		74
59	Usability and feasibility of health IT interventions to enhance Self-Care for Lymphedema Symptom Management in breast cancer survivors. Internet Interventions, 2016, 5, 56-64.	2.7	27
60	Fast Mode and Partition Decision Using Machine Learning for Intra-Frame Coding in HEVC Screen Content Coding Extension. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2016, 6, 517-531.	3.6	62
61	Screen Content Image Segmentation Using Robust Regression and Sparse Decomposition. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2016, 6, 573-584.	3.6	38
62	Real-time bandwidth prediction and rate adaptation for video calls over cellular networks. , 2016, , .		33
63	A novel screen content fast transcoding framework based on statistical study and machine learning. , 2016, , .		6
64	Nested Graph Cut for Automatic Segmentation of High-Frequency Ultrasound Images of the Mouse Embryo. IEEE Transactions on Medical Imaging, 2016, 35, 427-441.	8.9	22
65	A Web- and Mobile-Based Intervention for Women Treated for Breast Cancer to Manage Chronic Pain and Symptoms Related to Lymphedema: Randomized Clinical Trial Rationale and Protocol. JMIR Research Protocols, 2016, 5, e7.	1.0	21
66	Seizure detection and prediction through clustering and temporal analysis of micro electrocorticographic data. , 2015, , .		0
67	Assessing the visual effect of non-periodic temporal variation of quantization stepsize in compressed video. , 2015, , .		12
68	Automatic mouse embryo brain ventricle segmentation, gestation stage estimation, and mutant detection from 3D 40-MHz ultrasound data. , 2015, , .		5
69	Iris recognition using scattering transform and textural features. , 2015, , .		38
70	Screen content image segmentation using least absolute deviation fitting. , 2015, , .		31
71	A two-stage video coding framework with both self-adaptive redundant dictionary and adaptively orthonormalized DCT basis. , 2015, , .		1
72	Fast CU partition decision using machine learning for screen content compression. , 2015, , .		38

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73	A novel nested graph cuts method for segmenting human lymph nodes in 3D high frequency ultrasound images. , 2015, , .		5
74	Dealing with user heterogeneity in P2P multiparty video conferencing: Layered coding versus receiver partitioning. , 2014, , .		3
75	Computational Multi-View Imaging with Kinect. IEEE Transactions on Broadcasting, 2014, 60, 540-554.	3.2	14
76	Robust shape-constrained active contour for whole heart segmentation in 3-D CT images for radiotherapy planning. , 2014, , .		7
77	Video coding using a self-adaptive redundant dictionary consisting of spatial and temporal prediction candidates. , 2014, , .		7
78	Human detection in fish-eye images using HOG-based detectors over rotated windows. , 2014, , .		6
79	Classification algorithms using multiple MRI features in mild traumatic brain injury. Neurology, 2014, 83, 1235-1240.	1.1	31
80	One-pass mode decision for low-complexity and high-efficiency encoding of quality scalable video. , 2013, , .		0
81	Prediction of longterm outcome of neuropsychological tests of MTBI patients using imaging features. , 2013, , .		14
82	Profiling Skype video calls: Rate control and video quality. , 2012, , .		31
83	QoE-based multi-stream scalable video adaptation over wireless networks with proxy. , 2012, , .		14
84	High-Speed Compressed Sensing Reconstruction in Dynamic Parallel MRI Using Augmented Lagrangian and Parallel Processing. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2012, 2, 370-379.	3.6	17
85	Dynamic Rate and FEC Adaptation for Video Multicast in Multi-rate Wireless Networks. Mobile Networks and Applications, 2010, 15, 425-434.	3.3	37
86	Dynamic rate and FEC adaptation for video multicast in multi-rate wireless networks. , 2009, , .		7