

# Yao Wang

## List of Publications by Year in descending order

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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	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
2	An experimental study of deep convolutional features for iris recognition. , 2016, , .		74
3	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
4	mHealth self-care interventions: managing symptoms following breast cancer treatment. MHealth, 2016, 2, 28-28.	1.6	55
5	An ADMM Approach to Masked Signal Decomposition Using Subspace Representation. IEEE Transactions on Image Processing, 2019, 28, 3192-3204.	9.8	50
6	Protein-Engineered Functional Materials. Advanced Healthcare Materials, 2019, 8, e1801374.	7.6	48
7	Very Long Term Field of View Prediction for 360-Degree Video Streaming. , 2019, , .		41
8	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
9	Iris recognition using scattering transform and textural features. , 2015, , .		38
10	Fast CU partition decision using machine learning for screen content compression. , 2015, , .		38
11	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
12	Flocking-based live streaming of 360-degree video. , 2020, , .		38
13	Dynamic Rate and FEC Adaptation for Video Multicast in Multi-rate Wireless Networks. Mobile Networks and Applications, 2010, 15, 425-434.	3.3	37
14	Machine learning for detection of lymphedema among breast cancer survivors. MHealth, 2018, 4, 17-17.	1.6	37
15	Prioritized Buffer Control in Two-tier 360 Video Streaming. , 2017, , .		36
16	Real-time bandwidth prediction and rate adaptation for video calls over cellular networks. , 2016, , .		33
17	Profiling Skype video calls: Rate control and video quality. , 2012, , .		31
18	Classification algorithms using multiple MRI features in mild traumatic brain injury. Neurology, 2014, 83, 1235-1240.	1.1	31

#	ARTICLE	IF	CITATIONS
19	Screen content image segmentation using least absolute deviation fitting. , 2015, , .		31
20	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
21	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
22	Palmprint recognition using deep scattering network. , 2017, , .		26
23	Protein Engineered Triblock Polymers Composed of Two SADs: Enhanced Mechanical Properties and Binding Abilities. Biomacromolecules, 2018, 19, 1552-1561.	5.4	26
24	View direction and bandwidth adaptive 360 degree video streaming using a two-tier system. , 2017, , .		23
25	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
26	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
27	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
28	Adaptive Computationally Efficient Network for Monocular 3D Hand Pose Estimation. Lecture Notes in Computer Science, 2020, , 127-144.	1.3	19
29	MTBI Identification From Diffusion MR Images Using Bag of Adversarial Visual Features. IEEE Transactions on Medical Imaging, 2019, 38, 2545-2555.	8.9	18
30	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
31	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
32	Generalized Recurrent Neural Network accommodating Dynamic Causal Modeling for functional MRI analysis. NeuroImage, 2018, 178, 385-402.	4.2	15
33	QoE-based multi-stream scalable video adaptation over wireless networks with proxy. , 2012, , .		14
34	Prediction of longterm outcome of neuropsychological tests of MTBI patients using imaging features. , 2013, , .		14
35	Computational Multi-View Imaging with Kinect. IEEE Transactions on Broadcasting, 2014, 60, 540-554.	3.2	14
36	Layered Image Compression Using Scalable Auto-Encoder. , 2019, , .		14

#	ARTICLE	IF	CITATIONS
37	Towards Optimal Low-Latency Live Video Streaming. IEEE/ACM Transactions on Networking, 2021, 29, 2327-2338.	3.8	14
38	Low-latency FoV-adaptive Coding and Streaming for Interactive 360° Video Streaming. , 2020, , .		14
39	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
40	Assessing the visual effect of non-periodic temporal variation of quantization stepsize in compressed video. , 2015, , .		12
41	Optimal Strategies for Live Video Streaming in the Low-latency Regime. , 2019, , .		12
42	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
43	Deep Bv: A Fully Automated System for Brain Ventricle Localization and Segmentation In 3D Ultrasound Images of Embryonic Mice. , 2018, 2018, .		9
44	Controlling Drug Absorption, Release, and Erosion of Photopatterned Protein Engineered Hydrogels. Biomacromolecules, 2020, 21, 3608-3619.	5.4	9
45	PDWN: Pyramid Deformable Warping Network for Video Interpolation. IEEE Open Journal of Signal Processing, 2021, 2, 413-424.	3.5	9
46	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
47	A Deep Unsupervised Learning Approach Toward MTBI Identification Using Diffusion MRI. , 2018, 2018, 1267-1270.		8
48	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
49	Dynamic rate and FEC adaptation for video multicast in multi-rate wireless networks. , 2009, , .		7
50	Robust shape-constrained active contour for whole heart segmentation in 3-D CT images for radiotherapy planning. , 2014, , .		7
51	Video coding using a self-adaptive redundant dictionary consisting of spatial and temporal prediction candidates. , 2014, , .		7
52	Identifying mild traumatic brain injury patients from MR images using bag of visual words. , 2017, , .		7
53	Automatic body localization and brain ventricle segmentation in 3D high frequency ultrasound images of mouse embryos. , 2018, 2018, 635-639.		7
54	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

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55	Free-Standing Photocrosslinked Protein Polymer Hydrogels for Sustained Drug Release. <i>Biomacromolecules</i> , 2021, 22, 1509-1522.	5.4	7
56	Network-Aware 5G Edge Computing for Object Detection: Augmenting Wearables to See More, Farther and Faster. <i>IEEE Access</i> , 2022, 10, 29612-29632.	4.2	7
57	Human detection in fish-eye images using HOG-based detectors over rotated windows. , 2014, , .		6
58	A novel screen content fast transcoding framework based on statistical study and machine learning. , 2016, , .		6
59	Denosing of Joint Tracking Data by Kinect Sensors Using Clustered Gaussian Process Regression. , 2017, 2017, 19-25.		6
60	Multispectral Image Intrinsic Decomposition via Subspace Constraint. , 2018, , .		6
61	Automatic mouse embryo brain ventricle segmentation, gestation stage estimation, and mutant detection from 3D 40-MHz ultrasound data. , 2015, , .		5
62	A novel nested graph cuts method for segmenting human lymph nodes in 3D high frequency ultrasound images. , 2015, , .		5
63	Text extraction from texture images using masked signal decomposition. , 2017, , .		5
64	Reconstructing Speech Stimuli From Human Auditory Cortex Activity Using a WaveNet Approach. , 2018, , .		5
65	Automatic Mouse Embryo Brain Ventricle & Body Segmentation and Mutant Classification From Ultrasound Data Using Deep Learning. , 2019, , .		5
66	Effect of Divalent Metal Cations on the Conformation, Elastic Behavior, and Controlled Release of a Photocrosslinked Protein Engineered Hydrogel. <i>ACS Applied Bio Materials</i> , 2021, 4, 3587-3597.	4.6	5
67	Masked-RPCA: Moving Object Detection With an Overlaying Model. <i>IEEE Open Journal of Signal Processing</i> , 2020, 1, 274-286.	3.5	4
68	Dealing with user heterogeneity in P2P multiparty video conferencing: Layered coding versus receiver partitioning. , 2014, , .		3
69	Subspace learning in the presence of sparse structured outliers and noise. , 2017, , .		3
70	An HEVC-Compliant Fast Screen Content Transcoding Framework Based on Mode Mapping. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2019, 29, 3068-3082.	8.3	3
71	Investigating Brain White Matter in Football Players with and without Concussion Using a Biophysical Model from Multishell Diffusion MRI. <i>American Journal of Neuroradiology</i> , 2022, 43, 823-828.	2.4	3
72	Long-term prediction of $\frac{1}{4}$ ECOG signals with a spatio-temporal pyramid of adversarial convolutional networks. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
73	Block-based Learned Image Coding with Convolutional Autoencoder and Intra-Prediction Aided Entropy Coding. , 2021, , .		2
74	A two-stage video coding framework with both self-adaptive redundant dictionary and adaptively orthonormalized DCT basis. , 2015, , .		1
75	Online Cost Efficient Customer Recognition System for Retail Analytics. , 2017, , .		1
76	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
77	Identification of Relevant Diffusion MRI Metrics Impacting Cognitive Functions Using a Novel Feature Selection Method. , 2019, , .		1
78	Scanner Independent Deep Learning-Based Segmentation Framework Applied to Mouse Embryos. , 2020, , .		1
79	Lymphatic Pain in Breast Cancer Survivors.. Lymphatic Research and Biology, 2021, , .	1.1	1
80	Gabor is Enough: Interpretable Deep Denoising with a Gabor Synthesis Dictionary Prior. , 2022, , .		1
81	One-pass mode decision for low-complexity and high-efficiency encoding of quality scalable video. , 2013, , .		0
82	Seizure detection and prediction through clustering and temporal analysis of micro electrocorticographic data. , 2015, , .		0
83	Video object graph: A novel semantic level representation for videos. , 2017, , .		0
84	HEVC-compliant screen content transcoding based on mode mapping and fast termination. , 2017, , .		0
85	Engineered Proteins: Proteinâ€Engineered Functional Materials (Adv. Healthcare Mater. 11/2019). Advanced Healthcare Materials, 2019, 8, 1970047.	7.6	0
86	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