Yuzhen Niu

List of Publications by Citations

58 papers	781 citations	16 h-index	26 g-index
72 ext. papers	990 ext. citations	3.9 avg, IF	4.67 L-index

#	Paper	IF	Citations
58	**Saliency Aggregation: A Data-Driven Approach 2013**,		92
57	A PSO-Optimized Real-Time Fault-Tolerant Task Allocation Algorithm in Wireless Sensor Networks. *IEEE Transactions on Parallel and Distributed Systems*, **2015**, 26, 3236-3249	3.7	91
56	A PSO-based timing-driven Octilinear Steiner tree algorithm for VLSI routing considering bend reduction. *Soft Computing*, **2015**, 19, 1153-1169	3.5	72
55	XGRouter: high-quality global router in X-architecture with particle swarm optimization. *Frontiers of Computer Science*, **2015**, 9, 576-594	2.2	42
54	Meta-metric for saliency detection evaluation metrics based on application preference. *Multimedia Tools and Applications*, **2018**, 77, 26351-26369	2.5	40
53	. *IEEE Transactions on Multimedia*, **2019**, 21, 2093-2106	6.6	38
52	Fitting-based optimisation for image visual salient object detection. *IET Computer Vision*, **2017**, 11, 161-172	1.4	32
51	. *IEEE Transactions on Multimedia*, **2012**, 14, 783-796	6.6	32
50	Fast Gaussian kernel learning for classification tasks based on specially structured global optimization. *Neural Networks*, **2014**, 57, 51-62	9.1	28
49	What Makes a Professional Video? A Computational Aesthetics Approach. *IEEE Transactions on Circuits and Systems for Video Technology*, **2012**, 22, 1037-1049	6.4	28
48	Image Quality Assessment for Color Correction Based on Color Contrast Similarity and Color Value Difference. *IEEE Transactions on Circuits and Systems for Video Technology*, **2018**, 28, 849-862	6.4	25
47	CF-based optimisation for saliency detection. *IET Computer Vision*, **2018**, 12, 365-376	1.4	23
46	Data equilibrium based automatic image annotation by fusing deep model and semantic propagation. *Pattern Recognition*, **2017**, 71, 60-77	7.7	20
45	Rule of Thirds Detection from Photograph **2011**,		20
44	Promotion of cooperation by payoff-driven migration. *Physica A: Statistical Mechanics and Its Applications*, **2016**, 450, 506-514	3.3	19
43	2D and 3D Image Quality Assessment: A Survey of Metrics and Challenges. *IEEE Access*, **2019**, 7, 782-801	3.5	19
42	Machine learning-based framework for saliency detection in distorted images. *Multimedia Tools and Applications*, **2017**, 76, 26329-26353	2.5	13

41	HDR-GAN: HDR Image Reconstruction From Multi-Exposed LDR Images With Large Motions. *IEEE Transactions on Image Processing*, **2021**, 30, 3885-3896	8.7	13
40	Salient Object Segmentation Based on Superpixel and Background Connectivity Prior. *IEEE Access*, **2018**, 6, 56170-56183	3.5	10
39	Prisoner's dilemma game on reputation-based weighted network. *Chaos, Solitons and Fractals*, **2018**, 110, 64-68	9.3	9
38	Region-Aware Image Denoising by Exploring Parameter Preference. *IEEE Transactions on Circuits and Systems for Video Technology*, **2018**, 28, 2433-2438	6.4	9
37	. *IEEE Transactions on Multimedia*, **2013**, 15, 129-140	6.6	9
36	Multi-scale saliency detection via inter-regional shortest colour path. *IET Computer Vision*, **2015**, 9, 290-299	2.1	7
35	Leveraging stereopsis for saliency analysis **2012**,		7
34	Visually Consistent Color Correction for Stereoscopic Images and Videos. *IEEE Transactions on Circuits and Systems for Video Technology*, **2020**, 30, 697-710	6.4	7
33	Siamese-Network-Based Learning to Rank for No-Reference 2D and 3D Image Quality Assessment. *IEEE Access*, **2019**, 7, 101583-101595	3.5	6
32	No-reference stereoscopic image quality assessment using a multi-task CNN and registered distortion representation. *Pattern Recognition*, **2020**, 100, 107168	7.7	6
31	Image Retargeting Quality Assessment Based on Registration Confidence Measure and Noticeability-Based Pooling. *IEEE Transactions on Circuits and Systems for Video Technology*, **2021**, 31, 972-985	6.4	6
30	Evaluation of visual saliency analysis algorithms in noisy images. *Machine Vision and Applications*, **2016**, 27, 915-927	2.8	5
29	Pose-Guided Spatial Alignment and Key Frame Selection for One-Shot Video-Based Person Re-Identification. *IEEE Access*, **2019**, 7, 78991-79004	3.5	5
28	Color correction for stereoscopic image based on matching and optimization **2017**,		5
27	Geometry-shader-based real-time voxelization and applications. *Visual Computer*, **2014**, 30, 327-340	2.3	5
26	Boundary-aware RGBD Salient Object Detection with Cross-modal Feature Sampling. *IEEE Transactions on Image Processing*, **2020**, PP,	8.7	4
25	Detection of image stretching **2010**,		3
24	A PSO-BPNN-based model for energy saving in wireless sensor networks **2009**,		3

23	Coarse-to-Fine Person Re-Identification with Auxiliary-Domain Classification and Second-Order Information Bottleneck **2021**,		3
22	Event-Driven Intrinsic Plasticity for Spiking Convolutional Neural Networks. *IEEE Transactions on Neural Networks and Learning Systems*, **2021**, PP,	10.3	3
21	Making stereo photo cropping easy **2013**,		2
20	Anisotropic energy accumulation for stereoscopic image seam carving **2017**,		2
19	A Discrete PSO for Partitioning in VLSI Circuit **2009**,		2
18	Study on The Nonlinear Strategy of Inertia Weight in Particle Swarm Optimization **2008**,		2
17	OmegaTheta-Convergence Theory of Filters in LOmega-Spaces **2008**,		2
16	Matting-Based Residual Optimization for Structurally Consistent Image Color Correction. *IEEE Transactions on Circuits and Systems for Video Technology*, **2020**, 30, 3624-3636	6.4	2
15	Addressing Imbalance in Weakly Supervised Multi-Label Learning. *IEEE Access*, **2019**, 7, 37463-37472	3.5	1
14	Single Image Super-Resolution: From Discrete to Continuous Scale Without Retraining. *IEEE Access*, **2020**, 8, 32121-32136	3.5	1
13	Visual Attention Fusion Framework for Image Retargeting Quality Assessment. *IOP Conference Series: Earth and Environmental Science*, **2019**, 234, 012064	0.3	1
12	XGRouter: high-quality global router in X-architecture with particle swarm optimization. *Frontiers of Computer Science*, **2015**, 9, 576	2.2	1
11	Pairwise Learning to Rank for Image Quality Assessment. *IEEE Access*, **2020**, 8, 192352-192367	3.5	1
10	Intrinsic Plasticity for Online Unsupervised Learning based on Soft-Reset Spiking Neuron Model. *IEEE Transactions on Cognitive and Developmental Systems*, **2020**, 1-1	3	1
9	Accumulative Energy-Based Seam Carving for Image Resizing **2016**,		1
8	Learning from multi metrics for stereoscopic 3D image quality assessment **2016**,		1
7	Pyramid Context Contrast for Semantic Segmentation. *IEEE Access*, **2019**, 7, 173679-173693	3.5	1
6	Stereoscopic Image Saliency Detection Optimization: A Multi-Cue-Driven Approach. *IEEE Access*, **2019**, 7, 19835-19847	3.5	0

List of Publications

5	A Steiner point candidate-based heuristic framework for the Steiner tree problem in graphs. *Journal of Algorithms and Computational Technology*, **2016**, 10, 99-114	0.7	0
4	Efficient Encoder-Decoder Network with Estimated Direction for SAR Ship Detection. *IEEE Geoscience and Remote Sensing Letters*, **2022**, 1-1	4.1	0
3	Deep Residual Optimization for Stereoscopic Image Color Correction. *Communications in Computer and Information Science*, **2020**, 147-158	0.3	0
2	Self-Evolutionary Neuron Model for Fast-Response Spiking Neural Networks. *IEEE Transactions on Cognitive and Developmental Systems*, **2021**, 1-1	3	0
1	Accumulative energy-based seam carving for image resizing. *International Journal of Computational Science and Engineering*, **2020**, 22, 190	0.4	