

# Khoa Luu

## List of Publications by Year in descending order

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Version: 2024-02-01

66  
papers

1,431  
citations

759055

12  
h-index

610775

24  
g-index

67  
all docs

67  
docs citations

67  
times ranked

1127  
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep reinforcement learning in computer vision: a comprehensive survey. <i>Artificial Intelligence Review</i> , 2022, 55, 2733-2819.	9.7	63
2	Non-volume preserving-based fusion to group-level emotion recognition on crowd videos. <i>Pattern Recognition</i> , 2022, 128, 108646.	5.1	7
3	Offset Curves Loss for Imbalanced Problem in Medical Segmentation. , 2021, , .		4
4	Evaluating effects of focal length and viewing angle in a comparison of recent face landmark and alignment methods. <i>Eurasip Journal on Image and Video Processing</i> , 2021, 2021, .	1.7	3
5	Fast Flow Reconstruction via Robust Invertible $n \times n$ Convolution. <i>Future Internet</i> , 2021, 13, 179.	2.4	4
6	Movement Analysis for Neurological and Musculoskeletal Disorders Using Graph Convolutional Neural Network. <i>Future Internet</i> , 2021, 13, 194.	2.4	8
7	PairFlow: Enhancing Portable Chest X-Ray By Flow-Based Deformation For Covid-19 Diagnosing. , 2021, , .		2
8	Deep reinforcement learning in medical imaging: A literature review. <i>Medical Image Analysis</i> , 2021, 73, 102193.	7.0	88
9	Clusformer: A Transformer based Clustering Approach to Unsupervised Large-scale Face and Visual Landmark Recognition. , 2021, , .		20
10	BiMaL: Bijective Maximum Likelihood Approach to Domain Adaptation in Semantic Scene Segmentation. , 2021, , .		20
11	The Right to Talk: An Audio-Visual Transformer Approach. , 2021, , .		13
12	Domain Generalization via Universal Non-volume Preserving Approach. , 2020, , .		5
13	Vec2Face: Unveil Human Faces From Their Blackbox Features in Face Recognition. , 2020, , .		19
14	Machine learning to identify variables in thermodynamically small systems. <i>Computers and Chemical Engineering</i> , 2020, 141, 106989.	2.0	2
15	Active Contour Model in Deep Learning Era: A Revise and Review. <i>Studies in Computational Intelligence</i> , 2020, , 231-260.	0.7	7
16	Flow-Based Deformation Guidance for Unpaired Multi-contrast MRI Image-to-Image Translation. <i>Lecture Notes in Computer Science</i> , 2020, , 728-737.	1.0	6
17	Learning from Longitudinal Face Demonstration—Where Tractable Deep Modeling Meets Inverse Reinforcement Learning. <i>International Journal of Computer Vision</i> , 2019, 127, 957-971.	10.9	13
18	Recurrent Level Set Networks for Instance Segmentation. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
19	MobiFace: A Lightweight Deep Learning Face Recognition on Mobile Devices. , 2019, , .		34
20	Automatic Face Aging in Videos via Deep Reinforcement Learning. , 2019, , .		30
21	Deep Appearance Models: A Deep Boltzmann Machine Approach for Face Modeling. International Journal of Computer Vision, 2019, 127, 437-455.	10.9	20
22	Reformulating Level Sets as Deep Recurrent Neural Network Approach to Semantic Segmentation. IEEE Transactions on Image Processing, 2018, 27, 2393-2407.	6.0	55
23	Deep contextual recurrent residual networks for scene labeling. Pattern Recognition, 2018, 80, 32-41.	5.1	20
24	Seeing Small Faces from Robust Anchor's Perspective. , 2018, , .		47
25	Lp Norm Relaxation Approach for Large Scale Data Analysis: A Review. Lecture Notes in Computer Science, 2018, , 285-292.	1.0	2
26	Enhancing Interior and Exterior Deep Facial Features for Face Detection in the Wild. , 2018, , .		3
27	Compressed Submanifold Multifactor Analysis. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2017, 39, 444-456.	9.7	3
28	Non-convex online robust PCA: Enhance sparsity via $\hat{\alpha}$ , " p -norm minimization. Computer Vision and Image Understanding, 2017, 158, 126-140.	3.0	15
29	DeepSafeDrive: A grammar-aware driver parsing approach to Driver Behavioral Situational Awareness (DB-SAW). Pattern Recognition, 2017, 66, 229-238.	5.1	17
30	CMS-RCNN: Contextual Multi-Scale Region-Based CNN for Unconstrained Face Detection. Advances in Computer Vision and Pattern Recognition, 2017, , 57-79.	0.9	133
31	Semi self-training beard/moustache detection and segmentation simultaneously. Image and Vision Computing, 2017, 58, 214-223.	2.7	17
32	Robust Hand Detection and Classification in Vehicles and in the Wild. , 2017, , .		38
33	Temporal Non-volume Preserving Approach to Facial Age-Progression and Age-Invariant Face Recognition. , 2017, , .		56
34	Faster than Real-Time Facial Alignment: A 3D Spatial Transformer Network Approach in Unconstrained Poses. , 2017, , .		79
35	Restricted Boltzmann Machines and Their Extensions for Face Modeling. Biomedical Journal of Scientific & Technical Research, 2017, 1, .	0.0	1
36	Depth-based 3D hand pose tracking. , 2016, , .		3

#	ARTICLE	IF	CITATIONS
37	Robust Deep Appearance Models. , 2016, , .		2
38	Multiple Scale Faster-RCNN Approach to Driver's Cell-Phone Usage and Hands on Steering Wheel Detection. , 2016, , .		61
39	Towards a deep learning framework for unconstrained face detection. , 2016, , .		15
40	Robust hand detection in Vehicles. , 2016, , .		15
41	Longitudinal Face Modeling via Temporal Deep Restricted Boltzmann Machines. , 2016, , .		37
42	A Deep Learning Approach to Joint Face Detection and Segmentation. , 2016, , 1-12.		9
43	Weakly Supervised Facial Analysis with Dense Hyper-Column Features. , 2016, , .		10
44	A robust contour sampling and tensor-based approach to facial beard and mustache shape segmentation and matching. , 2015, , .		2
45	IRIS super-resolution via nonparametric over-complete dictionary learning. , 2015, , .		6
46	Beyond Principal Components: Deep Boltzmann Machines for face modeling. , 2015, , .		12
47	Facial aging and asymmetry decomposition based approaches to identification of twins. Pattern Recognition, 2015, 48, 3843-3856.	5.1	19
48	<i>Spartans</i> : Single-Sample Periocular-Based Alignment-Robust Recognition Technique Applied to Non-Frontal Scenarios. IEEE Transactions on Image Processing, 2015, 24, 4780-4795.	6.0	58
49	Fast and robust self-training beard/moustache detection and segmentation. , 2015, , .		5
50	Distributed class dependent feature analysis &#x2014; A big data approach. , 2014, , .		3
51	SparCLeS: Dynamic $\ell_1$ Sparse Classifiers With Level Sets for Robust Beard/Moustache Detection and Segmentation. IEEE Transactions on Image Processing, 2013, 22, 3097-3107.	6.0	13
52	Facecut - a robust approach for facial feature segmentation. , 2012, , .		3
53	A novel energy based filter for cross-blink eye detection. , 2012, , .		0
54	Hallucinating faces in the dark. , 2012, , .		1

#	ARTICLE	IF	CITATIONS
55	Gabor Wavelet-Based Appearance Models. , 2012, , .		1
56	Beard and mustache segmentation using sparse classifiers on self-quotient images. , 2012, , .		12
57	A robust approach to facial ethnicity classification on large scale face databases. , 2012, , .		19
58	A facial aging approach to identification of identical twins. , 2012, , .		12
59	Contourlet appearance model for facial age estimation. , 2011, , .		45
60	Facial feature fusion and model selection for age estimation. , 2011, , .		8
61	Investigating age invariant face recognition based on periocular biometrics. , 2011, , .		87
62	Kernel spectral regression of perceived age from hybrid facial features. , 2011, , .		7
63	Combined local and holistic facial features for age-determination. , 2010, , .		8
64	Spectral Regression based age determination. , 2010, , .		12
65	A Computer Approach for Face Aging Problems. Lecture Notes in Computer Science, 2010, , 405-409.	1.0	3
66	Age estimation using Active Appearance Models and Support Vector Machine regression. , 2009, , .		88