

Lei Zhang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

407 papers	37,625 citations	94 h-index	188 g-index
425 ext. papers	47,466 ext. citations	5.5 avg, IF	8.1 L-index

#	Paper	IF	Citations
407	Robust Low-Rank Analysis with Adaptive Weighted Tensor for Image Denoising. <i>Displays</i> , 2022 , 102200	3.4	1
406	Deep Convolutional Dictionary Learning for Image Denoising 2021 ,		15
405	Look More Into Occlusion: Realistic Face Frontalization and Recognition With BoostGAN. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , 32, 214-228	10.3	10
404	Generalized Unitarily Invariant Gauge Regularization for Fast Low-Rank Matrix Recovery. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , 32, 1627-1641	10.3	3
403	Learning Manifold Structures With Subspace Segmentations. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 1981-1992	10.2	4
402	AGUnet: Annotation-guided U-net for fast one-shot video object segmentation. <i>Pattern Recognition</i> , 2021 , 110, 107580	7.7	4
401	Deep Blind Hyperspectral Image Super-Resolution. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , 32, 2388-2400	10.3	23
400	Simultaneous Fidelity and Regularization Learning for Image Restoration. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2021 , 43, 284-299	13.3	32
399	Scaled Simplex Representation for Subspace Clustering. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 1493-1505	10.5	10
398	Second-Order Camera-Aware Color Transformation for Cross-Domain Person Re-identification. <i>Lecture Notes in Computer Science</i> , 2021 , 36-53	0.9	0
397	Part-Aware Attention Network for Person Re-identification. <i>Lecture Notes in Computer Science</i> , 2021 , 136-152	0.9	
396	CameraNet: A Two-Stage Framework for Effective Camera ISP Learning. <i>IEEE Transactions on Image Processing</i> , 2021 , 30, 2248-2262	8.7	8
395	Plug-and-Play Image Restoration with Deep Denoiser Prior. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2021 , PP,	13.3	48
394	Embarrassingly Simple Binarization for Deep Single Imagery Super-Resolution Networks. <i>IEEE Transactions on Image Processing</i> , 2021 , 30, 3934-3945	8.7	3
393	Directional Deep Embedding and Appearance Learning for Fast Video Object Segmentation. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , PP,	10.3	1
392	MGSeg: Multiple Granularity-Based Real-Time Semantic Segmentation Network. <i>IEEE Transactions on Image Processing</i> , 2021 , 30, 7200-7214	8.7	1
391	Joint Denoising and Demosaicking With Green Channel Prior for Real-World Burst Images. <i>IEEE Transactions on Image Processing</i> , 2021 , 30, 6930-6942	8.7	4

390	Detachable Second-Order Pooling: Toward High-Performance First-Order Networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , PP,	10.3	1
389	Online Rain/Snow Removal From Surveillance Videos. <i>IEEE Transactions on Image Processing</i> , 2021 , 30, 2029-2044	8.7	12
388	Degradation Model Learning for Real-World Single Image Super-Resolution. <i>Lecture Notes in Computer Science</i> , 2021 , 84-101	0.9	0
387	Completed Extremely Nonnegative DMD for Color Texture Classification. <i>IEEE Access</i> , 2020 , 8, 103034-103046	10.3	1
386	Confidence-Based Large-Scale Dense Multi-View Stereo. <i>IEEE Transactions on Image Processing</i> , 2020 , 29, 7176-7191	8.7	9
385	Deep Saliency Hashing for Fine-grained Retrieval. <i>IEEE Transactions on Image Processing</i> , 2020 ,	8.7	18
384	PID Controller-Based Stochastic Optimization Acceleration for Deep Neural Networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , 31, 5079-5091	10.3	15
383	Damage assessments of composite under the environment with strong noise based on synchrosqueezing wavelet transform and stack autoencoder algorithm. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020 , 156, 107587	4.6	8
382	Denoising arterial spin labeling perfusion MRI with deep machine learning. <i>Magnetic Resonance Imaging</i> , 2020 , 68, 95-105	3.3	24
381	Learning a Single Tucker Decomposition Network for Lossy Image Compression with Multiple Bits-Per-Pixel Rates. <i>IEEE Transactions on Image Processing</i> , 2020 ,	8.7	11
380	Fast Multi-Scale Structural Patch Decomposition for Multi-Exposure Image Fusion. <i>IEEE Transactions on Image Processing</i> , 2020 ,	8.7	29
379	Dual Adversarial Network: Toward Real-World Noise Removal and Noise Generation. <i>Lecture Notes in Computer Science</i> , 2020 , 41-58	0.9	28
378	Grid Anchor based Image Cropping: A New Benchmark and An Efficient Model. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2020 , PP,	13.3	2
377	Blind Face Restoration via Deep Multi-scale Component Dictionaries. <i>Lecture Notes in Computer Science</i> , 2020 , 399-415	0.9	15
376	Learning Image-adaptive 3D Lookup Tables for High Performance Photo Enhancement in Real-time. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2020 , PP,	13.3	22
375	Joint Multi-source Reduction. <i>Lecture Notes in Computer Science</i> , 2020 , 293-309	0.9	
374	Momentum Batch Normalization for Deep Learning with Small Batch Size. <i>Lecture Notes in Computer Science</i> , 2020 , 224-240	0.9	11
373	LST-Net: Learning a Convolutional Neural Network with a Learnable Sparse Transform. <i>Lecture Notes in Computer Science</i> , 2020 , 562-579	0.9	0

372	A Decoupled Learning Scheme for Real-World Burst Denoising from Raw Images. <i>Lecture Notes in Computer Science</i> , 2020 , 150-166	0.9	2
371	Optimal Projection Guided Transfer Hashing for Image Retrieval. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2020 , 30, 3788-3802	6.4	7
370	Accurate Tensor Completion via Adaptive Low-Rank Representation. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , 31, 4170-4184	10.3	4
369	Adversarial Feature Sampling Learning for Efficient Visual Tracking. <i>IEEE Transactions on Automation Science and Engineering</i> , 2020 , 17, 847-857	4.9	3
368	Jointly Learning the Discriminative Dictionary and Projection for Face Recognition. <i>Mathematical Problems in Engineering</i> , 2020 , 2020, 1-17	1.1	1
367	Learning Symmetry Consistent Deep CNNs for Face Completion. <i>IEEE Transactions on Image Processing</i> , 2020 , 29, 7641-7655	8.7	8
366	Dark and Bright Channel Prior Embedded Network for Dynamic Scene Deblurring. <i>IEEE Transactions on Image Processing</i> , 2020 , 29, 6885-6897	8.7	20
365	Deep-Like Hashing-in-Hash for Visual Retrieval: An Embarrassingly Simple Method. <i>IEEE Transactions on Image Processing</i> , 2020 , PP,	8.7	2
364	. <i>IEEE Transactions on Image Processing</i> , 2020 , 29, 7045-7060	8.7	4
363	Group Maximum Differentiation Competition: Model Comparison with Few Samples. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2020 , 42, 851-864	13.3	19
362	Multiple Regressions based Image Super-resolution. <i>Multimedia Tools and Applications</i> , 2020 , 79, 8911-8927	8.7	0
361	Robust Multiview Subspace Learning With Nonindependently and Nonidentically Distributed Complex Noise. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , 31, 1070-1083	10.3	10
360	Sparse, collaborative, or nonnegative representation: Which helps pattern classification?. <i>Pattern Recognition</i> , 2019 , 88, 679-688	7.7	67
359	Panoramic Background Image Generation for PTZ Cameras. <i>IEEE Transactions on Image Processing</i> , 2019 , 28, 3162-3176	8.7	14
358	Study on Pavement Defect Detection Based on Image Processing Utilizing UAV. <i>Journal of Physics: Conference Series</i> , 2019 , 1168, 042011	0.3	6
357	Accurate imagery recovery using a multi-observation patch model. <i>Information Sciences</i> , 2019 , 501, 724-741	7.7	1
356	A Benchmark for Edge-Preserving Image Smoothing. <i>IEEE Transactions on Image Processing</i> , 2019 ,	8.7	24
355	Learned Dynamic Guidance for Depth Image Reconstruction. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2019 ,	13.3	8

354	Cost-Effective Object Detection: Active Sample Mining With Switchable Selection Criteria. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2019 , 30, 834-850	10.3	8
353	Intracuster Structured Low-Rank Matrix Analysis Method for Hyperspectral Denoising. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019 , 57, 866-880	8.1	22
352	Foreground Gating and Background Refining Network for Surveillance Object Detection. <i>IEEE Transactions on Image Processing</i> , 2019 , 28, 6077-6090	8.7	27
351	CoLR: Classification-Oriented Local Representation for Image Recognition. <i>Complexity</i> , 2019 , 2019, 1-17	1.6	
350	A separation-aggregation network for image denoising. <i>Applied Soft Computing Journal</i> , 2019 , 83, 105603	3.5	6
349	Parallel Coordinates Based Visualization for High-Dimensional Data 2019 ,		1
348	NTIRE 2019 Challenge on Real Image Super-Resolution: Methods and Results 2019 ,		19
347	Toward Real-World Single Image Super-Resolution: A New Benchmark and a New Model 2019 ,		105
346	Dynamic Anchor Feature Selection for Single-Shot Object Detection 2019 ,		25
345	Reliable and Efficient Image Cropping: A Grid Anchor Based Approach 2019 ,		18
344	Second-Order Attention Network for Single Image Super-Resolution 2019 ,		428
343	Toward Convolutional Blind Denoising of Real Photographs 2019 ,		242
342	Deep Plug-And-Play Super-Resolution for Arbitrary Blur Kernels 2019 ,		116
341	Low-Rank Approximation via the Generalized Reweighted Iterative Nuclear Norm 2019 ,		1
340	Learning Aggregated Transmission Propagation Networks for Haze Removal and Beyond. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2019 , 30, 2973-2986	10.3	35
339	Learning Support Correlation Filters for Visual Tracking. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2019 , 41, 1158-1172	13.3	44
338	A Unified Probabilistic Formulation of Image Aesthetic Assessment. <i>IEEE Transactions on Image Processing</i> , 2019 ,	8.7	9
337	Bayesian inference for adaptive low rank and sparse matrix estimation. <i>Neurocomputing</i> , 2018 , 291, 71-83	3.4	5

336	Partial Deconvolution With Inaccurate Blur Kernel. <i>IEEE Transactions on Image Processing</i> , 2018 , 27, 511-524	5.7	17
335	External Prior Guided Internal Prior Learning for Real-World Noisy Image Denoising. <i>IEEE Transactions on Image Processing</i> , 2018 ,	8.7	69
334	On Unifying Multi-view Self-Representations for Clustering by Tensor Multi-rank Minimization. <i>International Journal of Computer Vision</i> , 2018 , 126, 1157-1179	10.6	113
333	Cluster Sparsity Field: An Internal Hyperspectral Imagery Prior for Reconstruction. <i>International Journal of Computer Vision</i> , 2018 , 126, 797-821	10.6	53
332	Active Self-Paced Learning for Cost-Effective and Progressive Face Identification. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2018 , 40, 7-19	13.3	82
331	BoMW: Bag of Manifold Words for One-Shot Learning Gesture Recognition From Kinect. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2018 , 28, 2562-2573	6.4	15
330	Robust Online Matrix Factorization for Dynamic Background Subtraction. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2018 , 40, 1726-1740	13.3	89
329	3D Fingerprint Reconstruction and Recognition 2018 , 177-212		1
328	Local Features for Finger-Knuckle-Print Recognition 2018 , 111-130		1
327	Line Scan Palmprint Recognition System 2018 , 235-257		2
326	End-to-end temporal attention extraction and human action recognition. <i>Machine Vision and Applications</i> , 2018 , 29, 1127-1142	2.8	5
325	Joint Representation and Truncated Inference Learning for Correlation Filter Based Tracking. <i>Lecture Notes in Computer Science</i> , 2018 , 560-575	0.9	16
324	Hand Back Skin Texture for Personal Identification 2018 , 213-233		1
323	The Resolution for Fingerprint Recognition 2018 , 65-81		1
322	Finger-Knuckle-Print Verification 2018 , 85-109		3
321	Finger-Knuckle-Print Verification with Score Level Adaptive Binary Fusion 2018 , 151-174		4
320	Global Information for Finger-Knuckle-Print Recognition 2018 , 131-149		1
319	Door Knob Hand Recognition System 2018 , 259-284		

318	Online 3D Ear Recognition 2018 , 309-328		1
317	Fingerprint Pore Modeling and Extraction 2018 , 41-63		0
316	Learning Converged Propagations with Deep Prior Ensemble for Image Enhancement. <i>IEEE Transactions on Image Processing</i> , 2018 ,	8.7	38
315	Clustering based content and color adaptive tone mapping. <i>Computer Vision and Image Understanding</i> , 2018 , 168, 37-49	4.3	25
314	A Hybrid l1-l0 Layer Decomposition Model for Tone Mapping 2018 ,		46
313	A PID Controller Approach for Stochastic Optimization of Deep Networks 2018 ,		19
312	Learning a Single Convolutional Super-Resolution Network for Multiple Degradations 2018 ,		311
311	An extended variational image decomposition model for color image enhancement. <i>Neurocomputing</i> , 2018 , 322, 216-228	5.4	5
310	Blind Image Quality Assessment with a Probabilistic Quality Representation 2018 ,		24
309	Accurate Spectral Super-Resolution from Single RGB Image Using Multi-scale CNN. <i>Lecture Notes in Computer Science</i> , 2018 , 206-217	0.9	29
308	A Trilateral Weighted Sparse Coding Scheme for Real-World Image Denoising. <i>Lecture Notes in Computer Science</i> , 2018 , 21-38	0.9	80
307	Deep Image Compression with Iterative Non-Uniform Quantization 2018 ,		8
306	Convolutional Neural Networks for Image Denoising and Restoration. <i>Advances in Computer Vision and Pattern Recognition</i> , 2018 , 93-123	1.1	6
305	Multi-Exposure Fusion with CNN Features 2018 ,		13
304	FFDNet: Toward a Fast and Flexible Solution for CNN based Image Denoising. <i>IEEE Transactions on Image Processing</i> , 2018 ,	8.7	731
303	Local Log-Euclidean Multivariate Gaussian Descriptor and Its Application to Image Classification. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2017 , 39, 803-817	13.3	48
302	Cross-Domain Visual Matching via Generalized Similarity Measure and Feature Learning. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2017 , 39, 1089-1102	13.3	93
301	Beyond a Gaussian Denoiser: Residual Learning of Deep CNN for Image Denoising. <i>IEEE Transactions on Image Processing</i> , 2017 , 26, 3142-3155	8.7	2526

300	Robust Multi-Exposure Image Fusion: A Structural Patch Decomposition Approach. <i>IEEE Transactions on Image Processing</i> , 2017 , 26, 2519-2532	8.7	144
299	High-Order Local Pooling and Encoding Gaussians Over a Dictionary of Gaussians. <i>IEEE Transactions on Image Processing</i> , 2017 , 26, 3372-3384	8.7	5
298	Waterloo Exploration Database: New Challenges for Image Quality Assessment Models. <i>IEEE Transactions on Image Processing</i> , 2017 , 26, 1004-1016	8.7	218
297	. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2017 , 66, 198-211	5.2	3
296	Deep Location-Specific Tracking 2017 ,		17
295	Deep Learning in Visual Computing and Signal Processing. <i>Applied Computational Intelligence and Soft Computing</i> , 2017 , 2017, 1-13	2.7	63
294	Image Restoration: From Sparse and Low-Rank Priors to Deep Priors [Lecture Notes]. <i>IEEE Signal Processing Magazine</i> , 2017 , 34, 172-179	9.4	57
293	Joint Image Denoising and Disparity Estimation via Stereo Structure PCA and Noise-Tolerant Cost. <i>International Journal of Computer Vision</i> , 2017 , 124, 204-222	10.6	10
292	Distance Metric Learning via Iterated Support Vector Machines. <i>IEEE Transactions on Image Processing</i> , 2017 , 26, 4937-4950	8.7	16
291	An Efficient Globally Optimal Algorithm for Asymmetric Point Matching. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2017 , 39, 1281-1293	13.3	23
290	Weighted Nuclear Norm Minimization and Its Applications to Low Level Vision. <i>International Journal of Computer Vision</i> , 2017 , 121, 183-208	10.6	353
289	Multi-channel Weighted Nuclear Norm Minimization for Real Color Image Denoising 2017 ,		126
288	Deep Convolutional Neural Models for Picture-Quality Prediction: Challenges and Solutions to Data-Driven Image Quality Assessment. <i>IEEE Signal Processing Magazine</i> , 2017 , 34, 130-141	9.4	159
287	Learning Deep CNN Denoiser Prior for Image Restoration 2017 ,		647
286	Joint Convolutional Analysis and Synthesis Sparse Representation for Single Image Layer Separation 2017 ,		86
285	Patch Group Based Bayesian Learning for Blind Image Denoising. <i>Lecture Notes in Computer Science</i> , 2017 , 79-95	0.9	7
284	Sparse Softmax Vector Coding Based Deep Cascade Model. <i>Communications in Computer and Information Science</i> , 2017 , 603-614	0.3	3
283	A Level Set Approach to Image Segmentation With Intensity Inhomogeneity. <i>IEEE Transactions on Cybernetics</i> , 2016 , 46, 546-57	10.2	284

282	Exploring Structured Sparsity by a Reweighted Laplace Prior for Hyperspectral Compressive Sensing. <i>IEEE Transactions on Image Processing</i> , 2016 , 25, 4974-4988	8.7	55
281	The Public Security and Personal Privacy Survey: Biometric Technology in Hong Kong. <i>IEEE Security and Privacy</i> , 2016 , 14, 12-21	2	4
280	Weighted Schatten ℓ_p -Norm Minimization for Image Denoising and Background Subtraction. <i>IEEE Transactions on Image Processing</i> , 2016 , 25, 4842-4857	8.7	185
279	Joint Learning of Multiple Regressors for Single Image Super-Resolution. <i>IEEE Signal Processing Letters</i> , 2016 , 23, 102-106	3.2	30
278	Evaluation of ground distances and features in EMD-based GMM matching for texture classification. <i>Pattern Recognition</i> , 2016 , 57, 152-163	7.7	6
277	Towards effective codebookless model for image classification. <i>Pattern Recognition</i> , 2016 , 59, 63-71	7.7	23
276	Learning Iteration-wise Generalized Shrinkage-Thresholding Operators for Blind Deconvolution. <i>IEEE Transactions on Image Processing</i> , 2016 , 25, 1751-64	8.7	52
275	A Deep Structured Model with Radius-Margin Bound for 3D Human Activity Recognition. <i>International Journal of Computer Vision</i> , 2016 , 118, 256-273	10.6	64
274	MetricFusion: Generalized metric swarm learning for similarity measure. <i>Information Fusion</i> , 2016 , 30, 80-90	16.7	10
273	A Unified Framework for Representation-Based Subspace Clustering of Out-of-Sample and Large-Scale Data. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2016 , 27, 2499-2512	10.3	83
272	Learning a lightweight deep convolutional network for joint age and gender recognition 2016 ,		1
271	Cluster Sparsity Field for Hyperspectral Imagery Denoising. <i>Lecture Notes in Computer Science</i> , 2016 , 631-647	0.9	10
270	Group MAD Competition? A New Methodology to Compare Objective Image Quality Models 2016 ,		42
269	A Probabilistic Collaborative Representation Based Approach for Pattern Classification 2016 ,		133
268	Joint Learning of Single-Image and Cross-Image Representations for Person Re-identification 2016 ,		198
267	Dictionary Pair Classifier Driven Convolutional Neural Networks for Object Detection 2016 ,		24
266	. <i>IEEE Transactions on Multimedia</i> , 2016 , 18, 247-259	6.6	39
265	Semi-supervised subspace learning with L2graph. <i>Neurocomputing</i> , 2016 , 208, 143-152	5.4	10

264	Dictionary Learning for Promoting Structured Sparsity in Hyperspectral Compressive Sensing. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016 , 54, 7223-7235	8.1	35
263	Robust low-rank tensor factorization by cyclic weighted median. <i>Science China Information Sciences</i> , 2015 , 58, 1-11	3.4	6
262	Extended collaborative neighbor representation for robust single-sample face recognition. <i>Neural Computing and Applications</i> , 2015 , 26, 1991-2000	4.8	6
261	A feature-enriched completely blind image quality evaluator. <i>IEEE Transactions on Image Processing</i> , 2015 , 24, 2579-91	8.7	469
260	Full-space local topology extraction for cross-modal retrieval. <i>IEEE Transactions on Image Processing</i> , 2015 , 24, 2212-24	8.7	45
259	Bit-Scalable Deep Hashing With Regularized Similarity Learning for Image Retrieval and Person Re-Identification. <i>IEEE Transactions on Image Processing</i> , 2015 , 24, 4766-79	8.7	339
258	End-to-End Photo-Sketch Generation via Fully Convolutional Representation Learning 2015 ,		69
257	A Kernel Classification Framework for Metric Learning. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2015 , 26, 1950-62	10.3	73
256	Effective texture classification by texton encoding induced statistical features. <i>Pattern Recognition</i> , 2015 , 48, 447-457	7.7	31
255	Sparsely encoded local descriptor for face verification. <i>Neurocomputing</i> , 2015 , 147, 403-411	5.4	3
254	Unsupervised feature selection by regularized self-representation. <i>Pattern Recognition</i> , 2015 , 48, 438-446	7.7	182
253	A Study on Consistency between MINAVE and MINMAX in SSIM Based Independent Perceptual Video Coding. <i>IEEE Transactions on Information and Systems</i> , 2015 , E98.D, 1417-1421	0.6	1
252	Robust Visual Correlation Tracking. <i>Mathematical Problems in Engineering</i> , 2015 , 2015, 1-13	1.1	8
251	2015 ,		24
250	Convolutional Sparse Coding for Image Super-Resolution 2015 ,		154
249	High-order information for robust iris recognition under less controlled conditions 2015 ,		7
248	Patch Group Based Nonlocal Self-Similarity Prior Learning for Image Denoising 2015 ,		169
247	External Patch Prior Guided Internal Clustering for Image Denoising 2015 ,		76

246	Local Generic Representation for Face Recognition with Single Sample per Person. <i>Lecture Notes in Computer Science</i> , 2015 , 34-50	0.9	14
245	Decoupled Marginal Distribution of Gradient Magnitude and Laplacian of Gaussian for Texture Classification. <i>Communications in Computer and Information Science</i> , 2015 , 418-428	0.3	
244	Gradient histogram estimation and preservation for texture enhanced image denoising. <i>IEEE Transactions on Image Processing</i> , 2014 , 23, 2459-72	8.7	75
243	Mixed noise removal by weighted encoding with sparse nonlocal regularization. <i>IEEE Transactions on Image Processing</i> , 2014 , 23, 2651-62	8.7	129
242	Transductive Gaussian processes for image denoising 2014 ,		1
241	Point Matching in the Presence of Outliers in Both Point Sets: A Concave Optimization Approach 2014 ,		10
240	Blind image quality assessment using joint statistics of gradient magnitude and Laplacian features. <i>IEEE Transactions on Image Processing</i> , 2014 , 23, 4850-62	8.7	334
239	Fast Compressive Tracking. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2014 , 36, 2002-15	8.5	374
238	A sparse embedding and least variance encoding approach to hashing. <i>IEEE Transactions on Image Processing</i> , 2014 , 23, 3737-50	8.7	178
237	Image Set-Based Collaborative Representation for Face Recognition. <i>IEEE Transactions on Information Forensics and Security</i> , 2014 , 9, 1120-1132	8	100
236	Sparse Representation Based Fisher Discrimination Dictionary Learning for Image Classification. <i>International Journal of Computer Vision</i> , 2014 , 109, 209-232	10.6	343
235	Nearest convex hull classification by using Lotka-Volterra recurrent neural networks. <i>Neurocomputing</i> , 2014 , 138, 157-166	5.4	1
234	Fast and robust face recognition via coding residual map learning based adaptive masking. <i>Pattern Recognition</i> , 2014 , 47, 535-543	7.7	25
233	Learning locality-constrained collaborative representation for robust face recognition. <i>Pattern Recognition</i> , 2014 , 47, 2794-2806	7.7	77
232	LoG acts as a good feature in the task of image quality assessment 2014 ,		3
231	Comparative performance of texton based vascular tree segmentation in retinal images 2014 ,		2
230	Weighted Nuclear Norm Minimization with Application to Image Denoising 2014 ,		760
229	Gradient Magnitude Similarity Deviation: A Highly Efficient Perceptual Image Quality Index. <i>IEEE Transactions on Image Processing</i> , 2014 , 23, 684-95	8.7	723

228	Shrinkage Expansion Adaptive Metric Learning. <i>Lecture Notes in Computer Science</i> , 2014 , 456-471	0.9	7
227	Support Vector Guided Dictionary Learning. <i>Lecture Notes in Computer Science</i> , 2014 , 624-639	0.9	55
226	Fast Visual Tracking via Dense Spatio-temporal Context Learning. <i>Lecture Notes in Computer Science</i> , 2014 , 127-141	0.9	278
225	A learning-based method for compressive image recovery. <i>Journal of Visual Communication and Image Representation</i> , 2013 , 24, 1055-1063	2.7	14
224	Robust Object Tracking Via Active Feature Selection. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2013 , 23, 1957-1967	6.4	28
223	Robust kernel representation with statistical local features for face recognition. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2013 , 24, 900-12	10.3	74
222	Real-time object tracking via online discriminative feature selection. <i>IEEE Transactions on Image Processing</i> , 2013 , 22, 4664-77	8.7	143
221	Joint segmentation and pairing of multispectral chromosome images. <i>Pattern Analysis and Applications</i> , 2013 , 16, 497-506	2.3	2
220	Reconstruction based finger-knuckle-print verification with score level adaptive binary fusion. <i>IEEE Transactions on Image Processing</i> , 2013 , 22, 5050-62	8.7	35
219	Texture Enhanced Image Denoising via Gradient Histogram Preservation 2013 ,		51
218	Joint Registration and Active Contour Segmentation for Object Tracking. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2013 , 23, 1589-1597	6.4	19
217	Perceptual Fidelity Aware Mean Squared Error 2013 ,		14
216	Sparse Variation Dictionary Learning for Face Recognition with a Single Training Sample per Person 2013 ,		94
215	A survey of graph theoretical approaches to image segmentation. <i>Pattern Recognition</i> , 2013 , 46, 1020-1038	7.7	231
214	Nonlocally centralized sparse representation for image restoration. <i>IEEE Transactions on Image Processing</i> , 2013 , 22, 1620-30	8.7	904
213	Gabor feature based robust representation and classification for face recognition with Gabor occlusion dictionary. <i>Pattern Recognition</i> , 2013 , 46, 1865-1878	7.7	107
212	Joint discriminative dimensionality reduction and dictionary learning for face recognition. <i>Pattern Recognition</i> , 2013 , 46, 2134-2143	7.7	76
211	Regularized robust coding for face recognition. <i>IEEE Transactions on Image Processing</i> , 2013 , 22, 1753-668.7		207

210	Reinitialization-free level set evolution via reaction diffusion. <i>IEEE Transactions on Image Processing</i> , 2013 , 22, 258-71	8.7	150
209	Sparse representation classifier steered discriminative projection with applications to face recognition. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2013 , 24, 1023-35	10.3	161
208	Sparse representation based image interpolation with nonlocal autoregressive modeling. <i>IEEE Transactions on Image Processing</i> , 2013 , 22, 1382-94	8.7	250
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