

Alan Bovik

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.

498
papers

56,066
citations

73
h-index

234
g-index

558
ext. papers

72,301
ext. citations

5.1
avg, IF

8.2
L-index

#	Paper	IF	Citations
498	Quality Aware Features for Performance Prediction and Time Reduction in Video Object Tracking. <i>IEEE Access</i> , 2022 , 10, 13290-13310	3.5	
497	Learning to compress videos without computing motion. <i>Signal Processing: Image Communication</i> , 2022 , 103, 116633	2.8	1
496	Making Video Quality Assessment Models Sensitive to Frame Rate Distortions. <i>IEEE Signal Processing Letters</i> , 2022 , 29, 897-901	3.2	
495	Patch-VQ: Patching Up the Video Quality Problem 2021 ,		20
494	A Subjective and Objective Study of Space-Time Subsampled Video Quality.. <i>IEEE Transactions on Image Processing</i> , 2021 , PP,	8.7	3
493	Completely blind image quality assessment via contourlet energy statistics. <i>IET Image Processing</i> , 2021 , 15, 443-453	1.7	1
492	On the space-time statistics of motion pictures. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2021 , 38, 908-923	1.8	4
491	High Frame Rate Video Quality Assessment using VMAF and Entropic Differences 2021 ,		1
490	Efficient User-Generated Video Quality Prediction 2021 ,		1
489	Evaluating Foveated Video Quality Using Entropic Differencing 2021 ,		1
488	Blind image quality assessment in the contourlet domain. <i>Signal Processing: Image Communication</i> , 2021 , 91, 116064	2.8	4
487	ProxIQ: A Proxy Approach to Perceptual Optimization of Learned Image Compression. <i>IEEE Transactions on Image Processing</i> , 2021 , 30, 360-373	8.7	14
486	Subjective and Objective Quality Assessment of 2D and 3D Foveated Video Compression in Virtual Reality. <i>IEEE Transactions on Image Processing</i> , 2021 , 30, 5905-5919	8.7	4
485	ST-GREED: Space-Time Generalized Entropic Differences for Frame Rate Dependent Video Quality Prediction. <i>IEEE Transactions on Image Processing</i> , 2021 , 30, 7446-7457	8.7	3
484	Subjective and Objective Quality Assessment of High Frame Rate Videos. <i>IEEE Access</i> , 2021 , 9, 108069-108082	3.5	4
483	A Hitchhiker's Guide to Structural Similarity. <i>IEEE Access</i> , 2021 , 9, 28872-28896	3.5	6
482	RAPIQUE: Rapid and Accurate Video Quality Prediction of User Generated Content. <i>IEEE Open Journal of Signal Processing</i> , 2021 , 2, 425-440	1.2	20

481	Predicting the Quality of Compressed Videos With Pre-Existing Distortions. <i>IEEE Transactions on Image Processing</i> , 2021 , 30, 7511-7526	8.7	4
480	Towards Perceptually Optimized Adaptive Video Streaming-A Realistic Quality of Experience Database. <i>IEEE Transactions on Image Processing</i> , 2021 , 30, 5182-5197	8.7	5
479	UGC-VQA: Benchmarking Blind Video Quality Assessment for User Generated Content. <i>IEEE Transactions on Image Processing</i> , 2021 , 30, 4449-4464	8.7	31
478	Perceptual Monocular Depth Estimation. <i>Neural Processing Letters</i> , 2021 , 53, 1205-1228	2.4	0
477	On visual masking estimation for adaptive quantization using steerable filters. <i>Signal Processing: Image Communication</i> , 2021 , 96, 116290	2.8	1
476	VR Sickness Versus VR Presence: A Statistical Prediction Model. <i>IEEE Transactions on Image Processing</i> , 2021 , 30, 559-571	8.7	8
475	ChipQA: No-Reference Video Quality Prediction via Space-Time Chips. <i>IEEE Transactions on Image Processing</i> , 2021 , 30, 8059-8074	8.7	4
474	A Comparative Evaluation Of Temporal Pooling Methods For Blind Video Quality Assessment 2020 ,		19
473	Adaptive Debanding Filter. <i>IEEE Signal Processing Letters</i> , 2020 , 27, 1715-1719	3.2	7
472	BBAND INDEX: A NO-REFERENCE BANDING ARTIFACT PREDICTOR 2020 ,		8
471	Dynamic Receptive Field Generation for Full-Reference Image Quality Assessment. <i>IEEE Transactions on Image Processing</i> , 2020 ,	8.7	11
470	Corrections to Study of 3D Virtual Reality Picture Quality [Jan 20 89-102]. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2020 , 14, 472-472	7.5	1
469	Quality Prediction on Deep Generative Images. <i>IEEE Transactions on Image Processing</i> , 2020 ,	8.7	6
468	Day and Night-Time Dehazing by Local Airlight Estimation. <i>IEEE Transactions on Image Processing</i> , 2020 ,	8.7	35
467	Blind S3D image quality prediction using classical and non-classical receptive field models. <i>Signal Processing: Image Communication</i> , 2020 , 87, 115915	2.8	1
466	Study of Subjective and Objective Quality Assessment of Audio-Visual Signals. <i>IEEE Transactions on Image Processing</i> , 2020 ,	8.7	41
465	Learning to Distort Images Using Generative Adversarial Networks. <i>IEEE Signal Processing Letters</i> , 2020 , 27, 2144-2148	3.2	6
464	Study of 3D Virtual Reality Picture Quality. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2020 , 14, 89-102	7.5	16

463	Seeing Through the Clouds With DeepWaterMap. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2020 , 17, 1662-1666	4.1	12
462	Video quality assessment using space-time slice mappings. <i>Signal Processing: Image Communication</i> , 2020 , 82, 115749	2.8	7
461	. <i>IEEE Transactions on Image Processing</i> , 2020 , 29, 7217-7232	8.7	5
460	Blind Image Quality Assessment for Super Resolution via Optimal Feature Selection. <i>IEEE Access</i> , 2020 , 8, 143201-143218	3.5	2
459	From Patches to Pictures (PaQ-2-PiQ): Mapping the Perceptual Space of Picture Quality 2020 ,		34
458	Capturing Video Frame Rate Variations via Entropic Differencing. <i>IEEE Signal Processing Letters</i> , 2020 , 27, 1809-1813	3.2	3
457	Lewis Antigen Phenotype and Survival of Patients With Pancreatic Cancer. <i>Pancreas</i> , 2020 , 49, 1348-1354.	4.6	1
456	System wide channel network analysis reveals hotspots of morphological change in anthropogenically modified regions of the Ganges Delta. <i>Scientific Reports</i> , 2020 , 10, 12823	4.9	6
455	A No-Reference Video Quality Assessment Model for Underwater Networks. <i>IEEE Journal of Oceanic Engineering</i> , 2020 , 45, 342-346	3.3	1
454	Blind Noisy Image Quality Assessment Using Sub-Band Kurtosis. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 1146-1156	10.2	10
453	Spatio-Temporal Measures Of Naturalness 2019 ,		6
452	Predicting Detection Performance on Security X-Ray Images as a Function of Image Quality. <i>IEEE Transactions on Image Processing</i> , 2019 , 28, 3328-3342	8.7	6
451	Study of Subjective Quality and Objective Blind Quality Prediction of Stereoscopic Videos. <i>IEEE Transactions on Image Processing</i> , 2019 ,	8.7	13
450	Making long-wave infrared face recognition robust against image quality degradations. <i>Quantitative InfraRed Thermography Journal</i> , 2019 , 16, 218-242	1.1	3
449	Perceptual Quality Assessment of Pan-Sharpended Images. <i>Remote Sensing</i> , 2019 , 11, 877	5	13
448	Spatiotemporal Feature Integration and Model Fusion for Full Reference Video Quality Assessment. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2019 , 29, 2256-2270	6.4	34
447	Image Statistic Models Characterize Well Log Image Quality. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2019 , 16, 1130-1134	4.1	1
446	A Subjective and Objective Study of Stalling Events in Mobile Streaming Videos. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2019 , 29, 183-197	6.4	45

445	Predicting the Quality of Images Compressed after Distortion in Two Steps. <i>IEEE Transactions on Image Processing</i> , 2019 ,	8.7	18
444	Quality Measurement of Images on Mobile Streaming Interfaces Deployed at Scale. <i>IEEE Transactions on Image Processing</i> , 2019 ,	8.7	4
443	Characterization of Deltaic Channel Morphodynamics From Imagery Time Series Using the Channelized Response Variance. <i>Journal of Geophysical Research F: Earth Surface</i> , 2019 , 124, 3022-3042	3.8	8
442	Eye movements and visual discomfort when viewing stereoscopic 3D content 2019 , 91, 41-53		4
441	Cloud Detection in Satellite Images Based on Natural Scene Statistics and Gabor Features. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2019 , 16, 608-612	4.1	14
440	Towards a Closed Form Second-Order Natural Scene Statistics Model. <i>IEEE Transactions on Image Processing</i> , 2018 , 27, 3194-3209	8.7	11
439	Learning a Continuous-Time Streaming Video QoE Model. <i>IEEE Transactions on Image Processing</i> , 2018 , 27, 2257-2271	8.7	28
438	Recurrent and Dynamic Models for Predicting Streaming Video Quality of Experience. <i>IEEE Transactions on Image Processing</i> , 2018 , 27, 3316-3331	8.7	39
437	Learning a River Network Extractor Using an Adaptive Loss Function. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2018 , 15, 813-817	4.1	12
436	In-Capture Mobile Video Distortions: A Study of Subjective Behavior and Objective Algorithms. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2018 , 28, 2061-2077	6.4	38
435	Deep Visual Discomfort Predictor for Stereoscopic 3D Images. <i>IEEE Transactions on Image Processing</i> , 2018 ,	8.7	6
434	Modeling the Perceptual Quality of Immersive Images Rendered on Head Mounted Displays: Resolution and Compression. <i>IEEE Transactions on Image Processing</i> , 2018 ,	8.7	31
433	Studying the Statistics of Natural X-ray Pictures. <i>Journal of Testing and Evaluation</i> , 2018 , 46, 20170345	1	5
432	Optimizing Image Quality 2018 , 15-41		3
431	Large-Scale Study of Perceptual Video Quality. <i>IEEE Transactions on Image Processing</i> , 2018 ,	8.7	65
430	Detecting and Mapping Video Impairments. <i>IEEE Transactions on Image Processing</i> , 2018 ,	8.7	3
429	Perceptual quality evaluation of synthetic pictures distorted by compression and transmission. <i>Signal Processing: Image Communication</i> , 2018 , 61, 54-72	2.8	5
428	Eye Movement Pattern Modeling and Visual Comfort Viewing S3D Images 2018 ,		1

427	Second Order Natural Scene Statistics Model of Blind Image Quality Assessment 2018 ,		3
426	On the Natural Statistics of Chromatic Images 2018 ,		1
425	Large Scale Subjective Video Quality Study 2018 ,		5
424	Natural Scene Statistics for Noise Estimation 2018 ,		6
423	Blind Image Quality Assessment with a Probabilistic Quality Representation 2018 ,		24
422	Enhancing Temporal Quality Measurements in a Globally Deployed Streaming Video Quality Predictor 2018 ,		4
421	Multivariate Statistical Approach to Image Quality Tasks. <i>Journal of Imaging</i> , 2018 , 4, 117	3.1	3
420	A Simple Prediction Fusion Improves Data-driven Full-Reference Video Quality Assessment Models 2018 ,		3
419	Feature-based prediction of streaming video QoE: Distortions, stalling and memory. <i>Signal Processing: Image Communication</i> , 2018 , 68, 218-228	2.8	18
418	Generalized Gaussian scale mixtures: A model for wavelet coefficients of natural images. <i>Signal Processing: Image Communication</i> , 2018 , 66, 87-94	2.8	8
417	Video quality assessment accounting for temporal visual masking of local flicker. <i>Signal Processing: Image Communication</i> , 2018 , 67, 182-198	2.8	13
416	RivaMap: An automated river analysis and mapping engine. <i>Remote Sensing of Environment</i> , 2017 , 202, 88-97	13.2	61
415	Learning quality assessment of retargeted images. <i>Signal Processing: Image Communication</i> , 2017 , 56, 12-19	2.8	4
414	Predicting the Quality of Fused Long Wave Infrared and Visible Light Images. <i>IEEE Transactions on Image Processing</i> , 2017 , 26, 3479-3491	8.7	11
413	Enhancement of Visual Comfort and Sense of Presence on Stereoscopic 3D Images. <i>IEEE Transactions on Image Processing</i> , 2017 , 26, 3789-3801	8.7	15
412	Continuous Prediction of Streaming Video QoE Using Dynamic Networks. <i>IEEE Signal Processing Letters</i> , 2017 , 24, 1083-1087	3.2	30
411	75-1: Invited Paper: Perceptual Issues of Streaming Video. <i>Digest of Technical Papers SID International Symposium</i> , 2017 , 48, 1097-1100	0.5	2
410	No-Reference Quality Assessment of Tone-Mapped HDR Pictures. <i>IEEE Transactions on Image Processing</i> , 2017 , 26, 2957-2971	8.7	78

409	Melanoma Classification on Dermoscopy Images Using a Neural Network Ensemble Model. <i>IEEE Transactions on Medical Imaging</i> , 2017 , 36, 849-858	11.7	117
408	Visual discomfort prediction on stereoscopic 3D images without explicit disparities. <i>Signal Processing: Image Communication</i> , 2017 , 51, 50-60	2.8	11
407	Bayesian depth estimation from monocular natural images. <i>Journal of Vision</i> , 2017 , 17, 22	0.4	8
406	Binocular spatial activity and reverse saliency driven no-reference stereopair quality assessment. <i>Signal Processing: Image Communication</i> , 2017 , 58, 287-299	2.8	42
405	Blind Quality Assessment of Fused WorldView-3 Images by Using the Combinations of Pansharpening and Hypersharpening Paradigms. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2017 , 14, 1835-1839	4.1	71
404	SpEED-QA: Spatial Efficient Entropic Differencing for Image and Video Quality. <i>IEEE Signal Processing Letters</i> , 2017 , 24, 1333-1337	3.2	63
403	Study of Temporal Effects on Subjective Video Quality of Experience. <i>IEEE Transactions on Image Processing</i> , 2017 , 26, 5217-5231	8.7	67
402	Large-Scale Crowdsourced Study for Tone-Mapped HDR Pictures. <i>IEEE Transactions on Image Processing</i> , 2017 , 26, 4725-4740	8.7	37
401	Quality Assessment of Perceptual Crosstalk on Two-View Auto-Stereoscopic Displays. <i>IEEE Transactions on Image Processing</i> , 2017 , 26, 4885-4899	8.7	11
400	Subjective and objective quality assessment of Mobile Videos with In-Capture distortions 2017 ,		4
399	Statistics of natural fused image distortions 2017 ,		2
398	Graph-Driven Diffusion and Random Walk Schemes for Image Segmentation. <i>IEEE Transactions on Image Processing</i> , 2017 , 26, 35-50	8.7	36
397	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
396	Robust matrix factorization for collaborative filtering in recommender systems 2017 ,		1
395	Image quality assessment to enhance infrared face recognition 2017 ,		5
394	Towards automated quality curation of video collections from a realistic perspective 2017 ,		1
393	Perceptual quality prediction on authentically distorted images using a bag of features approach. <i>Journal of Vision</i> , 2017 , 17, 32	0.4	129
392	No-Reference Quality Assessment of Screen Content Pictures. <i>IEEE Transactions on Image Processing</i> , 2017 , 26, 4005-4018	8.7	151

391	Temporal and Behavioral Aspects of Subjective Video Quality Perception. <i>Journal of Vision</i> , 2017 , 17, 722	0.4	
390	Upscaling and Combing Artifact Prediction on Motion Pictures Using Convolutional Networks. <i>Journal of Vision</i> , 2017 , 17, 1082	0.4	
389	Detecting, Localizing and Correcting Exposure-Saturated Regions Using a Natural Image Statistics Model. <i>Journal of Vision</i> , 2017 , 17, 377	0.4	0
388	. <i>IEEE Signal Processing Letters</i> , 2016 , 23, 1801-1805	3.2	9
387	Relating spatial and spectral models of oriented bandpass natural images 2016 ,		1
386	A Completely Blind Video Integrity Oracle. <i>IEEE Transactions on Image Processing</i> , 2016 , 25, 289-300	8.7	141
385	Application-Driven No-Reference Quality Assessment for Dermoscopy Images With Multiple Distortions. <i>IEEE Transactions on Biomedical Engineering</i> , 2016 , 63, 1248-56	5	16
384	Massive Online Crowdsourced Study of Subjective and Objective Picture Quality. <i>IEEE Transactions on Image Processing</i> , 2016 , 25, 372-87	8.7	221
383	Stereoscopic 3D Visual Discomfort Prediction: A Dynamic Accommodation and Vergence Interaction Model. <i>IEEE Transactions on Image Processing</i> , 2016 , 25, 615-29	8.7	28
382	Blind image quality assessment by relative gradient statistics and adaboosting neural network. <i>Signal Processing: Image Communication</i> , 2016 , 40, 1-15	2.8	142
381	Tasking on Natural Statistics of Infrared Images. <i>IEEE Transactions on Image Processing</i> , 2016 , 25, 65-79	8.7	41
380	The effect of eccentricity and spatiotemporal energy on motion silencing. <i>Journal of Vision</i> , 2016 , 16, 19	0.4	3
379	Perceptual Flicker Visibility Prediction Model. <i>IS&T International Symposium on Electronic Imaging</i> , 2016 , 2016, 1-6	1	2
378	66-1: Invited Paper: Trends in Perception of Displayed 3D Stereoscopic Content. <i>Digest of Technical Papers SID International Symposium</i> , 2016 , 47, 899-902	0.5	
377	Night-time dehazing by fusion 2016 ,		59
376	No-reference image quality assessment for high dynamic range images 2016 ,		12
375	Sampled efficient full-reference image quality assessment models 2016 ,		3
374	3D visual discomfort prediction using low complexity disparity algorithms. <i>Eurasip Journal on Image and Video Processing</i> , 2016 , 2016,	2.5	3

373	Flicker sensitive motion tuned video quality assessment 2016 ,		4
372	Toward naturalistic 2D-to-3D conversion. <i>IEEE Transactions on Image Processing</i> , 2015 , 24, 724-33	8.7	13
371	Motion silencing of flicker distortions on naturalistic videos. <i>Signal Processing: Image Communication</i> , 2015 , 39, 328-341	2.8	9
370	Feature maps driven no-reference image quality prediction of authentically distorted images 2015 ,		5
369	Eigen-disfigurement model for simulating plausible facial disfigurement after reconstructive surgery. <i>BMC Medical Imaging</i> , 2015 , 15, 12	2.9	0
368	A feature-enriched completely blind image quality evaluator. <i>IEEE Transactions on Image Processing</i> , 2015 , 24, 2579-91	8.7	469
367	Oriented correlation models of distorted natural images with application to natural stereopair quality evaluation. <i>IEEE Transactions on Image Processing</i> , 2015 , 24, 1685-99	8.7	68
366	Referenceless Prediction of Perceptual Fog Density and Perceptual Image Defogging. <i>IEEE Transactions on Image Processing</i> , 2015 , 24, 3888-901	8.7	326
365	A spatiotemporal weighted dissimilarity-based method for video saliency detection. <i>Signal Processing: Image Communication</i> , 2015 , 38, 45-56	2.8	7
364	. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2015 , 9, 22-36	7.5	33
363	Automatic Channel Network Extraction From Remotely Sensed Images by Singularity Analysis. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2015 , 12, 2218-2221	4.1	29
362	. <i>IEEE Sensors Journal</i> , 2015 , 15, 1489-1503	4	10
361	No-Reference Approaches to Image and Video Quality Assessment 2015 , 99-121		3
360	3D visual discomfort predictor: analysis of horizontal disparity and neural activity statistics. <i>IEEE Transactions on Image Processing</i> , 2015 , 24, 1101-14	8.7	59
359	Disparity Estimation on Stereo Mammograms. <i>IEEE Transactions on Image Processing</i> , 2015 , 24, 2851-63	8.7	3
358	Visual Quality Assessment of Stereoscopic Image and Video: Challenges, Advances, and Future Trends 2015 , 185-212		11
357	3D visual discomfort predictor based on neural activity statistics 2015 ,		1
356	Eccentricity effect of motion silencing on naturalistic videos 2015 ,		3

355	2015,		2
354	Transfer Function Model of Physiological Mechanisms Underlying Temporal Visual Discomfort Experienced When Viewing Stereoscopic 3D Images. <i>IEEE Transactions on Image Processing</i> , 2015 , 24, 4335-47	8.7	16
353	A time-varying subjective quality model for mobile streaming videos with stalling events 2015,		8
352	Scene statistics of authentically distorted images in perceptually relevant color spaces for blind image quality assessment 2015,		2
351	Closed-Form Correlation Model of Oriented Bandpass Natural Images. <i>IEEE Signal Processing Letters</i> , 2015 , 22, 21-25	3.2	12
350	Stereoscopic interpretation of low-dose breast tomosynthesis projection images. <i>Journal of Digital Imaging</i> , 2014 , 27, 248-54	5.3	7
349	Saliency prediction on stereoscopic videos. <i>IEEE Transactions on Image Processing</i> , 2014 , 23, 1476-90	8.7	65
348	Blind prediction of natural video quality. <i>IEEE Transactions on Image Processing</i> , 2014 , 23, 1352-65	8.7	234
347	3D visual activity assessment based on natural scene statistics. <i>IEEE Transactions on Image Processing</i> , 2014 , 23, 450-65	8.7	30
346	Foveated Image and Video Processing and Search. <i>Academic Press Library in Signal Processing</i> , 2014 , 4, 349-401		3
345	A Pervasive Network Control Algorithm for Multicamera Networks. <i>IEEE Sensors Journal</i> , 2014 , 14, 1280-1294	4.294	5
344	Modeling the time-varying subjective quality of HTTP video streams with rate adaptations. <i>IEEE Transactions on Image Processing</i> , 2014 , 23, 2206-21	8.7	59
343	. <i>IEEE Transactions on Multimedia</i> , 2014 , 16, 387-402	6.6	28
342	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
341	No-reference image blur index based on singular value curve. <i>Journal of Visual Communication and Image Representation</i> , 2014 , 25, 1625-1630	2.7	33
340	No-reference image quality assessment based on spatial and spectral entropies. <i>Signal Processing: Image Communication</i> , 2014 , 29, 856-863	2.8	323
339	Blind image quality assessment using a reciprocal singular value curve. <i>Signal Processing: Image Communication</i> , 2014 , 29, 1149-1157	2.8	10
338	Face Detection on Distorted Images Augmented by Perceptual Quality-Aware Features. <i>IEEE Transactions on Information Forensics and Security</i> , 2014 , 9, 2119-2131	8	18

337	No-reference image quality assessment in curvelet domain. <i>Signal Processing: Image Communication</i> , 2014 , 29, 494-505	2.8	104
336	C-DIIVINE: No-reference image quality assessment based on local magnitude and phase statistics of natural scenes. <i>Signal Processing: Image Communication</i> , 2014 , 29, 725-747	2.8	64
335	Face detection on distorted images using perceptual quality-aware features 2014 ,		2
334	Spatiotemporal flicker detector model of motion silencing. <i>Perception</i> , 2014 , 43, 1286-302	1.2	6
333	Bivariate statistical modeling of color and range in natural scenes 2014 ,		5
332	A hierarchical Bayesian-map approach to computational imaging 2014 ,		1
331	. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2014 , 8, 415-427	7.5	50
330	Temporal Video Quality Model Accounting for Variable Frame Delay Distortions. <i>IEEE Transactions on Broadcasting</i> , 2014 , 60, 637-649	4.7	36
329	Referenceless perceptual fog density prediction model 2014 ,		1
328	Zero shot prediction of video quality using intrinsic video statistics 2014 ,		1
327	Crowdsourced study of subjective image quality 2014 ,		9
326	Visibility prediction of flicker distortions on naturalistic videos 2014 ,		1
325	Assessment of video naturalness using time-frequency statistics 2014 ,		4
324	Three-dimensional brain magnetic resonance imaging segmentation via knowledge-driven decision theory. <i>Journal of Medical Imaging</i> , 2014 , 1, 034001	2.6	1
323	Adaptive video transmission with subjective quality constraints 2014 ,		1
322	Study of the effects of stalling events on the quality of experience of mobile streaming videos 2014 ,		31
321	No-reference sharpness assessment of camera-shaken images by analysis of spectral structure. <i>IEEE Transactions on Image Processing</i> , 2014 , 23, 5428-39	8.7	22
320	Referenceless perceptual image defogging 2014 ,		5

319	Binocular mismatch induced by luminance discrepancies on stereoscopic images 2014 ,		11
318	Blind image quality assessment on real distorted images using deep belief nets 2014 ,		21
317	Study of no-reference image quality assessment algorithms on printed images. <i>Journal of Electronic Imaging</i> , 2014 , 23, 061106	0.7	3
316	Delivery quality score model for Internet video 2014 ,		17
315	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
314	A fully automated microfluidic femtosecond laser axotomy platform for nerve regeneration studies in <i>C. elegans</i> . <i>PLoS ONE</i> , 2014 , 9, e113917	3.7	34
313	No-reference quality assessment of natural stereopairs. <i>IEEE Transactions on Image Processing</i> , 2013 , 22, 3379-91	8.7	192
312	Passive Three Dimensional Face Recognition Using Iso-Geodesic Contours and Procrustes Analysis. <i>International Journal of Computer Vision</i> , 2013 , 105, 87-108	10.6	11
311	Automatic Prediction of Perceptual Image and Video Quality. <i>Proceedings of the IEEE</i> , 2013 , PP, 1-17	14.3	63
310	Survey of information theory in visual quality assessment. <i>Signal, Image and Video Processing</i> , 2013 , 7, 391-401	1.6	25
309	No-training, no-reference image quality index using perceptual features. <i>Optical Engineering</i> , 2013 , 52, 057003	1.1	22
308	Making a "Completely Blind" Image Quality Analyzer. <i>IEEE Signal Processing Letters</i> , 2013 , 20, 209-212	3.2	1906
307	A survey on 3D quality of experience and 3D quality assessment 2013 ,		18
306	Towards naturalistic depth propagation 2013 ,		2
305	Distortion conspicuity on stereoscopically viewed 3D images may correlate to scene content and distortion type. <i>Journal of the Society for Information Display</i> , 2013 , 21, 491-503	2.1	7
304	A Markov Decision Model for Adaptive Scheduling of Stored Scalable Videos. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2013 , 23, 1081-1095	6.4	23
303	Visually weighted compressive sensing: measurement and reconstruction. <i>IEEE Transactions on Image Processing</i> , 2013 , 22, 1444-55	8.7	12
302	Video quality pooling adaptive to perceptual distortion severity. <i>IEEE Transactions on Image Processing</i> , 2013 , 22, 610-20	8.7	72

301	Visually Lossless H.264 Compression of Natural Videos. <i>Computer Journal</i> , 2013 , 56, 617-627	1.3	4
300	Full-reference quality assessment of stereopairs accounting for rivalry. <i>Signal Processing: Image Communication</i> , 2013 , 28, 1143-1155	2.8	242
299	Perceptually optimized blind repair of natural images. <i>Signal Processing: Image Communication</i> , 2013 , 28, 1478-1493	2.8	7
298	Color and depth priors in natural images. <i>IEEE Transactions on Image Processing</i> , 2013 , 22, 2259-74	8.7	29
297	Subjective evaluation of stereoscopic image quality. <i>Signal Processing: Image Communication</i> , 2013 , 28, 870-883	2.8	188
296	Automatic segmentation of dermoscopy images using self-generating neural networks seeded by genetic algorithm. <i>Pattern Recognition</i> , 2013 , 46, 1012-1019	7.7	84
295	Video Quality Assessment by Reduced Reference Spatio-Temporal Entropic Differencing. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2013 , 23, 684-694	6.4	184
294	. <i>IEEE Transactions on Signal Processing</i> , 2013 , 61, 6150-6163	4.8	4
293	Blind image quality assessment without training on human opinion scores 2013 ,		3
292	2013 ,		5
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