

# Alan Bovik

## List of Publications by Citations

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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	Image quality assessment: from error visibility to structural similarity. <i>IEEE Transactions on Image Processing</i> , <b>2004</b> , 13, 600-12	8.7	21719
497	A universal image quality index. <i>IEEE Signal Processing Letters</i> , <b>2002</b> , 9, 81-84	3.2	3241
496	No-reference image quality assessment in the spatial domain. <i>IEEE Transactions on Image Processing</i> , <b>2012</b> , 21, 4695-708	8.7	2107
495	Image information and visual quality. <i>IEEE Transactions on Image Processing</i> , <b>2006</b> , 15, 430-44	8.7	1996
494	Making a "Completely Blind" Image Quality Analyzer. <i>IEEE Signal Processing Letters</i> , <b>2013</b> , 20, 209-212	3.2	1906
493	A statistical evaluation of recent full reference image quality assessment algorithms. <i>IEEE Transactions on Image Processing</i> , <b>2006</b> , 15, 3440-51	8.7	1520
492	Blind image quality assessment: from natural scene statistics to perceptual quality. <i>IEEE Transactions on Image Processing</i> , <b>2011</b> , 20, 3350-64	8.7	1025
491	Blind image quality assessment: a natural scene statistics approach in the DCT domain. <i>IEEE Transactions on Image Processing</i> , <b>2012</b> , 21, 3339-52	8.7	991
490	. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>1990</b> , 12, 55-73	13.3	863
489	An information fidelity criterion for image quality assessment using natural scene statistics. <i>IEEE Transactions on Image Processing</i> , <b>2005</b> , 14, 2117-28	8.7	779
488	Study of subjective and objective quality assessment of video. <i>IEEE Transactions on Image Processing</i> , <b>2010</b> , 19, 1427-41	8.7	738
487	A Two-Step Framework for Constructing Blind Image Quality Indices. <i>IEEE Signal Processing Letters</i> , <b>2010</b> , 17, 513-516	3.2	724
486	Gradient Magnitude Similarity Deviation: A Highly Efficient Perceptual Image Quality Index. <i>IEEE Transactions on Image Processing</i> , <b>2014</b> , 23, 684-95	8.7	723
485	Video quality assessment based on structural distortion measurement. <i>Signal Processing: Image Communication</i> , <b>2004</b> , 19, 121-132	2.8	595
484	A feature-enriched completely blind image quality evaluator. <i>IEEE Transactions on Image Processing</i> , <b>2015</b> , 24, 2579-91	8.7	469
483	Motion tuned spatio-temporal quality assessment of natural videos. <i>IEEE Transactions on Image Processing</i> , <b>2010</b> , 19, 335-50	8.7	463
482	Image quality assessment based on a degradation model. <i>IEEE Transactions on Image Processing</i> , <b>2000</b> , 9, 636-50	8.7	444

481	Modern Image Quality Assessment. <i>Synthesis Lectures on Image, Video, and Multimedia Processing</i> , <b>2006</b> , 2, 1-156	13	377
480	A generalization of median filtering using linear combinations of order statistics. <i>IEEE Transactions on Acoustics, Speech, and Signal Processing</i> , <b>1983</b> , 31, 1342-1350		357
479	No-reference quality assessment using natural scene statistics: JPEG2000. <i>IEEE Transactions on Image Processing</i> , <b>2005</b> , 14, 1918-27	8.7	351
478	Complex wavelet structural similarity: a new image similarity index. <i>IEEE Transactions on Image Processing</i> , <b>2009</b> , 18, 2385-401	8.7	335
477	Blind image quality assessment using joint statistics of gradient magnitude and Laplacian features. <i>IEEE Transactions on Image Processing</i> , <b>2014</b> , 23, 4850-62	8.7	334
476	Referenceless Prediction of Perceptual Fog Density and Perceptual Image Defogging. <i>IEEE Transactions on Image Processing</i> , <b>2015</b> , 24, 3888-901	8.7	326
475	No-reference image quality assessment based on spatial and spectral entropies. <i>Signal Processing: Image Communication</i> , <b>2014</b> , 29, 856-863	2.8	323
474	Why is image quality assessment so difficult? <b>2002</b> ,		282
473	RRED indices: reduced reference entropic differencing for image quality assessment. <i>IEEE Transactions on Image Processing</i> , <b>2012</b> , 21, 517-26	8.7	252
472	Full-reference quality assessment of stereopairs accounting for rivalry. <i>Signal Processing: Image Communication</i> , <b>2013</b> , 28, 1143-1155	2.8	242
471	Blind prediction of natural video quality. <i>IEEE Transactions on Image Processing</i> , <b>2014</b> , 23, 1352-65	8.7	234
470	A DCT Statistics-Based Blind Image Quality Index. <i>IEEE Signal Processing Letters</i> , <b>2010</b> , 17, 583-586	3.2	233
469	Massive Online Crowdsourced Study of Subjective and Objective Picture Quality. <i>IEEE Transactions on Image Processing</i> , <b>2016</b> , 25, 372-87	8.7	221
468	. <i>IEEE Journal on Selected Topics in Signal Processing</i> , <b>2009</b> , 3, 193-201	7.5	218
467	Blind image quality assessment using a general regression neural network. <i>IEEE Transactions on Neural Networks</i> , <b>2011</b> , 22, 793-9		193
466	No-reference quality assessment of natural stereopairs. <i>IEEE Transactions on Image Processing</i> , <b>2013</b> , 22, 3379-91	8.7	192
465	Subjective evaluation of stereoscopic image quality. <i>Signal Processing: Image Communication</i> , <b>2013</b> , 28, 870-883	2.8	188
464	Quality-aware images. <i>IEEE Transactions on Image Processing</i> , <b>2006</b> , 15, 1680-9	8.7	187

463	Video Quality Assessment by Reduced Reference Spatio-Temporal Entropic Differencing. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2013</b> , 23, 684-694	6.4	184
462	. <i>IEEE Journal on Selected Topics in Signal Processing</i> , <b>2012</b> , 6, 652-671	7.5	181
461	. <i>IEEE Signal Processing Magazine</i> , <b>2011</b> , 28, 29-40	9.4	167
460	Deep Convolutional Neural Models for Picture-Quality Prediction: Challenges and Solutions to Data-Driven Image Quality Assessment. <i>IEEE Signal Processing Magazine</i> , <b>2017</b> , 34, 130-141	9.4	159
459	Objective quality assessment of multiply distorted images <b>2012</b> ,		151
458	No-Reference Quality Assessment of Screen Content Pictures. <i>IEEE Transactions on Image Processing</i> , <b>2017</b> , 26, 4005-4018	8.7	151
457	Computer-Aided Detection and Diagnosis in Mammography <b>2005</b> , 1195-1217		145
456	Anthropometric 3D Face Recognition. <i>International Journal of Computer Vision</i> , <b>2010</b> , 90, 331-349	10.6	143
455	Blind image quality assessment by relative gradient statistics and adaboosting neural network. <i>Signal Processing: Image Communication</i> , <b>2016</b> , 40, 1-15	2.8	142
454	A Completely Blind Video Integrity Oracle. <i>IEEE Transactions on Image Processing</i> , <b>2016</b> , 25, 289-300	8.7	141
453	Perceptual quality prediction on authentically distorted images using a bag of features approach. <i>Journal of Vision</i> , <b>2017</b> , 17, 32	0.4	129
452	GAFFE: a gaze-attentive fixation finding engine. <i>IEEE Transactions on Image Processing</i> , <b>2008</b> , 17, 564-73	8.7	128
451	Embedded foveation image coding. <i>IEEE Transactions on Image Processing</i> , <b>2001</b> , 10, 1397-410	8.7	126
450	The effect of median filtering on edge estimation and detection. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>1987</b> , 9, 181-94	13.3	126
449	Foveation scalable video coding with automatic fixation selection. <i>IEEE Transactions on Image Processing</i> , <b>2003</b> , 12, 243-54	8.7	120
448	Melanoma Classification on Dermoscopy Images Using a Neural Network Ensemble Model. <i>IEEE Transactions on Medical Imaging</i> , <b>2017</b> , 36, 849-858	11.7	117
447	. <i>IEEE Transactions on Signal Processing</i> , <b>1993</b> , 41, 3245-3265	4.8	116
446	. <i>IEEE Transactions on Signal Processing</i> , <b>1991</b> , 39, 2025-2043	4.8	116

445	. <i>IEEE Transactions on Acoustics, Speech, and Signal Processing</i> , <b>1988</b> , 36, 1618-1627		113
444	. <i>IEEE Transactions on Information Theory</i> , <b>1992</b> , 38, 691-712	2.8	110
443	No-reference image quality assessment in curvelet domain. <i>Signal Processing: Image Communication</i> , <b>2014</b> , 29, 494-505	2.8	104
442	Streaking in median filtered images. <i>IEEE Transactions on Acoustics, Speech, and Signal Processing</i> , <b>1987</b> , 35, 493-503		102
441	Blind Image Quality Assessment Without Human Training Using Latent Quality Factors. <i>IEEE Signal Processing Letters</i> , <b>2012</b> , 19, 75-78	3.2	93
440	Foveated video compression with optimal rate control. <i>IEEE Transactions on Image Processing</i> , <b>2001</b> , 10, 977-92	8.7	88
439	Blind/Referenceless Image Spatial Quality Evaluator <b>2011</b> ,		86
438	. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>1995</b> , 17, 333-343	13.3	85
437	Automatic segmentation of dermoscopy images using self-generating neural networks seeded by genetic algorithm. <i>Pattern Recognition</i> , <b>2013</b> , 46, 1012-1019	7.7	84
436	Rate bounds on SSIM index of quantized images. <i>IEEE Transactions on Image Processing</i> , <b>2008</b> , 17, 1624-39.7		83
435	Content-partitioned structural similarity index for image quality assessment. <i>Signal Processing: Image Communication</i> , <b>2010</b> , 25, 517-526	2.8	82
434	Direct Raman imaging techniques for study of the subcellular distribution of a drug. <i>Applied Optics</i> , <b>2002</b> , 41, 6006-17	1.7	82
433	Quality assessment of deblocked images. <i>IEEE Transactions on Image Processing</i> , <b>2011</b> , 20, 88-98	8.7	81
432	Wireless Video Quality Assessment: A Study of Subjective Scores and Objective Algorithms. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2010</b> , 20, 587-599	6.4	80
431	Visual quality assessment algorithms: what does the future hold?. <i>Multimedia Tools and Applications</i> , <b>2011</b> , 51, 675-696	2.5	79
430	. <i>IEEE Transactions on Acoustics, Speech, and Signal Processing</i> , <b>1988</b> , 36, 1326-1337		79
429	No-Reference Quality Assessment of Tone-Mapped HDR Pictures. <i>IEEE Transactions on Image Processing</i> , <b>2017</b> , 26, 2957-2971	8.7	78
428	Texture segmentation using Gabor modulation/demodulation. <i>Pattern Recognition Letters</i> , <b>1987</b> , 6, 261-267		78

427	A subjective study to evaluate video quality assessment algorithms <b>2010</b> ,		76
426	Image demodulation using multidimensional energy separation. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , <b>1995</b> , 12, 1867	1.8	76
425	Video quality pooling adaptive to perceptual distortion severity. <i>IEEE Transactions on Image Processing</i> , <b>2013</b> , 22, 610-20	8.7	72
424	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> , <b>2017</b> , 14, 1835-1839	4.1	71
423	Multidimensional quasi-eigenfunction approximations and multicomponent AM-FM models. <i>IEEE Transactions on Image Processing</i> , <b>2000</b> , 9, 227-42	8.7	70
422	Smoothing low-SNR molecular images via anisotropic median-diffusion. <i>IEEE Transactions on Medical Imaging</i> , <b>2002</b> , 21, 377-84	11.7	69
421	Oriented correlation models of distorted natural images with application to natural stereopair quality evaluation. <i>IEEE Transactions on Image Processing</i> , <b>2015</b> , 24, 1685-99	8.7	68
420	Study of Temporal Effects on Subjective Video Quality of Experience. <i>IEEE Transactions on Image Processing</i> , <b>2017</b> , 26, 5217-5231	8.7	67
419	Design of linear equalizers optimized for the structural similarity index. <i>IEEE Transactions on Image Processing</i> , <b>2008</b> , 17, 857-72	8.7	66
418	Modeling and quality assessment of halftoning by error diffusion. <i>IEEE Transactions on Image Processing</i> , <b>2000</b> , 9, 909-22	8.7	66
417	Saliency prediction on stereoscopic videos. <i>IEEE Transactions on Image Processing</i> , <b>2014</b> , 23, 1476-90	8.7	65
416	Texas 3D Face Recognition Database <b>2010</b> ,		65
415	Large-Scale Study of Perceptual Video Quality. <i>IEEE Transactions on Image Processing</i> , <b>2018</b> ,	8.7	65
414	C-DIIVINE: No-reference image quality assessment based on local magnitude and phase statistics of natural scenes. <i>Signal Processing: Image Communication</i> , <b>2014</b> , 29, 725-747	2.8	64
413	Automatic Prediction of Perceptual Image and Video Quality. <i>Proceedings of the IEEE</i> , <b>2013</b> , PP, 1-17	14.3	63
412	SpEED-QA: Spatial Efficient Entropic Differencing for Image and Video Quality. <i>IEEE Signal Processing Letters</i> , <b>2017</b> , 24, 1333-1337	3.2	63
411	Temporal hysteresis model of time varying subjective video quality <b>2011</b> ,		63
410	RivaMap: An automated river analysis and mapping engine. <i>Remote Sensing of Environment</i> , <b>2017</b> , 202, 88-97	13.2	61

409	Experiments in segmenting texton patterns using localized spatial filters. <i>Pattern Recognition</i> , <b>1989</b> , 22, 707-717	7.7	61
408	DCT statistics model-based blind image quality assessment <b>2011</b> ,		60
407	Modeling the time-varying subjective quality of HTTP video streams with rate adaptations. <i>IEEE Transactions on Image Processing</i> , <b>2014</b> , 23, 2206-21	8.7	59
406	3D visual discomfort predictor: analysis of horizontal disparity and neural activity statistics. <i>IEEE Transactions on Image Processing</i> , <b>2015</b> , 24, 1101-14	8.7	59
405	Color as a source of information in the stereo correspondence process. <i>Vision Research</i> , <b>1990</b> , 30, 1955-70	11.1	59
404	Night-time dehazing by fusion <b>2016</b> ,		59
403	. <i>IEEE Transactions on Multimedia</i> , <b>2002</b> , 4, 129-132	6.6	58
402	. <i>IEEE Transactions on Communications</i> , <b>1990</b> , 38, 2137-2146	6.9	57
401	Maximum-likelihood techniques for joint segmentation-classification of multispectral chromosome images. <i>IEEE Transactions on Medical Imaging</i> , <b>2005</b> , 24, 1593-610	11.7	56
400	Computer lipreading for improved accuracy in automatic speech recognition. <i>IEEE Transactions on Speech and Audio Processing</i> , <b>1996</b> , 4, 337-351		56
399	The multicomponent AM-FM image representation. <i>IEEE Transactions on Image Processing</i> , <b>1996</b> , 5, 1094-1100	11.0	55
398	. <i>IEEE Transactions on Acoustics, Speech, and Signal Processing</i> , <b>1989</b> , 37, 275-287		55
397	Planar surface orientation from texture spatial frequencies. <i>Pattern Recognition</i> , <b>1995</b> , 28, 729-743	7.7	54
396	DOVES: a database of visual eye movements. <i>Spatial Vision</i> , <b>2009</b> , 22, 161-77		53
395	Disparity statistics in natural scenes. <i>Journal of Vision</i> , <b>2008</b> , 8, 19.1-14	0.4	53
394	A Structural Similarity Metric for Video Based on Motion Models <b>2007</b> ,		51
393	. <i>IEEE Journal on Selected Topics in Signal Processing</i> , <b>2014</b> , 8, 415-427	7.5	50
392	An image model and segmentation algorithm for reflectance confocal images of in vivo cervical tissue. <i>IEEE Transactions on Image Processing</i> , <b>2005</b> , 14, 1265-76	8.7	49

391	A Subjective and Objective Study of Stalling Events in Mobile Streaming Videos. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2019</b> , 29, 183-197	6.4	45
390	Fast structural similarity index algorithm. <i>Journal of Real-Time Image Processing</i> , <b>2011</b> , 6, 281-287	1.9	44
389	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2003</b> , 13, 149-162	6.4	44
388	Localized measurement of image fractal dimension using gabor filters. <i>Journal of Visual Communication and Image Representation</i> , <b>1991</b> , 2, 114-128	2.7	44
387	Unifying analysis of full reference image quality assessment <b>2008</b> ,		43
386	Supervised parametric and non-parametric classification of chromosome images. <i>Pattern Recognition</i> , <b>2005</b> , 38, 1209-1223	7.7	43
385	Binocular spatial activity and reverse saliency driven no-reference stereopair quality assessment. <i>Signal Processing: Image Communication</i> , <b>2017</b> , 58, 287-299	2.8	42
384	A model-based framework for the detection of spiculated masses on mammography. <i>Medical Physics</i> , <b>2008</b> , 35, 2110-23	4.4	42
383	Bitplane-by-bitplane shift (BbBShift) - A suggestion for JPEG2000 region of interest image coding. <i>IEEE Signal Processing Letters</i> , <b>2002</b> , 9, 160-162	3.2	42
382	Study of Subjective and Objective Quality Assessment of Audio-Visual Signals. <i>IEEE Transactions on Image Processing</i> , <b>2020</b> ,	8.7	41
381	Tasking on Natural Statistics of Infrared Images. <i>IEEE Transactions on Image Processing</i> , <b>2016</b> , 25, 65-79	8.7	41
380	Analyzing image structure by multidimensional frequency modulation. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2007</b> , 29, 753-66	13.3	41
379	Statistical modeling of 3-D natural scenes with application to Bayesian stereopsis. <i>IEEE Transactions on Image Processing</i> , <b>2011</b> , 20, 2515-30	8.7	40
378	Recurrent and Dynamic Models for Predicting Streaming Video Quality of Experience. <i>IEEE Transactions on Image Processing</i> , <b>2018</b> , 27, 3316-3331	8.7	39
377	A new technique for digital fluoroscopic video assessment of sagittal plane lumbar spine motion. <i>Spine</i> , <b>2005</b> , 30, E406-13	3.3	39
376	In-Capture Mobile Video Distortions: A Study of Subjective Behavior and Objective Algorithms. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2018</b> , 28, 2061-2077	6.4	38
375	Visual search in noise: revealing the influence of structural cues by gaze-contingent classification image analysis. <i>Journal of Vision</i> , <b>2006</b> , 6, 379-86	0.4	38
374	Contrast statistics for foveated visual systems: fixation selection by minimizing contrast entropy. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , <b>2005</b> , 22, 2039-49	1.8	38



373	Large-Scale Crowdsourced Study for Tone-Mapped HDR Pictures. <i>IEEE Transactions on Image Processing</i> , <b>2017</b> , 26, 4725-4740	8.7	37
372	Graph-Driven Diffusion and Random Walk Schemes for Image Segmentation. <i>IEEE Transactions on Image Processing</i> , <b>2017</b> , 26, 35-50	8.7	36
371	Temporal Video Quality Model Accounting for Variable Frame Delay Distortions. <i>IEEE Transactions on Broadcasting</i> , <b>2014</b> , 60, 637-649	4.7	36
370	Day and Night-Time Dehazing by Local Airlight Estimation. <i>IEEE Transactions on Image Processing</i> , <b>2020</b> ,	8.7	35
369	Nonparametric tests for edge detection in noise. <i>Pattern Recognition</i> , <b>1986</b> , 19, 209-219	7.7	35
368	Spatiotemporal Feature Integration and Model Fusion for Full Reference Video Quality Assessment. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2019</b> , 29, 2256-2270	6.4	34
367	A fully automated microfluidic femtosecond laser axotomy platform for nerve regeneration studies in <i>C. elegans</i> . <i>PLoS ONE</i> , <b>2014</b> , 9, e113917	3.7	34
366	From Patches to Pictures (PaQ-2-PiQ): Mapping the Perceptual Space of Picture Quality <b>2020</b> ,		34
365	. <i>IEEE Journal on Selected Topics in Signal Processing</i> , <b>2015</b> , 9, 22-36	7.5	33
364	No-reference image blur index based on singular value curve. <i>Journal of Visual Communication and Image Representation</i> , <b>2014</b> , 25, 1625-1630	2.7	33
363	Algorithmic assessment of 3D quality of experience for images and videos <b>2011</b> ,		33
362	Three-component weighted structural similarity index <b>2009</b> ,		33
361	Evaluation of temporal variation of video quality in packet loss networks. <i>Signal Processing: Image Communication</i> , <b>2011</b> , 26, 24-38	2.8	32
360	Modeling the Perceptual Quality of Immersive Images Rendered on Head Mounted Displays: Resolution and Compression. <i>IEEE Transactions on Image Processing</i> , <b>2018</b> ,	8.7	31
359	Study of the effects of stalling events on the quality of experience of mobile streaming videos <b>2014</b> ,		31
358	Automatic prediction of perceptual quality of multimedia signals—survey. <i>Multimedia Tools and Applications</i> , <b>2011</b> , 51, 163-186	2.5	31
357	Oriented texture completion by AM-FM reaction-diffusion. <i>IEEE Transactions on Image Processing</i> , <b>2001</b> , 10, 885-896	8.7	31
356	UGC-VQA: Benchmarking Blind Video Quality Assessment for User Generated Content. <i>IEEE Transactions on Image Processing</i> , <b>2021</b> , 30, 4449-4464	8.7	31

355	Continuous Prediction of Streaming Video QoE Using Dynamic Networks. <i>IEEE Signal Processing Letters</i> , <b>2017</b> , 24, 1083-1087	3.2	30
354	3D visual activity assessment based on natural scene statistics. <i>IEEE Transactions on Image Processing</i> , <b>2014</b> , 23, 450-65	8.7	30
353	Edge detection using median comparisons. <i>Computer Vision, Graphics, and Image Processing</i> , <b>1986</b> , 33, 377-389		30
352	Automatic Channel Network Extraction From Remotely Sensed Images by Singularity Analysis. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2015</b> , 12, 2218-2221	4.1	29
351	Color and depth priors in natural images. <i>IEEE Transactions on Image Processing</i> , <b>2013</b> , 22, 2259-74	8.7	29
350	Foveated analysis of image features at fixations. <i>Vision Research</i> , <b>2007</b> , 47, 3160-72	2.1	29
349	. <i>IEEE Transactions on Automation Science and Engineering</i> , <b>1998</b> , 14, 755-770		29
348	Learning a Continuous-Time Streaming Video QoE Model. <i>IEEE Transactions on Image Processing</i> , <b>2018</b> , 27, 2257-2271	8.7	28
347	Stereoscopic 3D Visual Discomfort Prediction: A Dynamic Accommodation and Vergence Interaction Model. <i>IEEE Transactions on Image Processing</i> , <b>2016</b> , 25, 615-29	8.7	28
346	. <i>IEEE Transactions on Multimedia</i> , <b>2014</b> , 16, 387-402	6.6	28
345	Information Theoretic Approaches to Image Quality Assessment <b>2005</b> , 975-989		28
344	Using chromatic information in dense stereo correspondence. <i>Pattern Recognition</i> , <b>1992</b> , 25, 367-383	7.7	28
343	Eye movements selective for spatial frequency and orientation during active visual search. <i>Vision Research</i> , <b>2009</b> , 49, 173-81	2.1	27
342	Structural Approaches to Image Quality Assessment <b>2005</b> , 961-974		27
341	Fingerprint classification using an AM-FM model. <i>IEEE Transactions on Image Processing</i> , <b>2001</b> , 10, 951-958	8.7	27
340	On the instantaneous frequencies of multicomponent AM-FM signals. <i>IEEE Signal Processing Letters</i> , <b>1998</b> , 5, 84-86	3.2	27
339	. <i>IEEE Transactions on Signal Processing</i> , <b>1993</b> , 41, 2796-2810	4.8	27
338	Edge-sensitive image restoration using order-constrained least squares methods. <i>IEEE Transactions on Acoustics, Speech, and Signal Processing</i> , <b>1985</b> , 33, 1253-1263		27

337	. <i>IEEE Transactions on Information Forensics and Security</i> , <b>2011</b> , 6, 1287-1304	8	26
336	Survey of information theory in visual quality assessment. <i>Signal, Image and Video Processing</i> , <b>2013</b> , 7, 391-401	1.6	25
335	Blind quality assessment of videos using a model of natural scene statistics and motion coherency <b>2012</b> ,		25
334	Statistics of natural image distortions <b>2010</b> ,		25
333	A contour-based stereo matching algorithm using disparity continuity. <i>Pattern Recognition</i> , <b>1988</b> , 21, 505-514	7.7	25
332	Angiogenesis in cultured and cryopreserved pancreatic islet grafts. <i>Transplantation</i> , <b>1997</b> , 63, 1652-60	1.8	25
331	Making image quality assessment robust <b>2012</b> ,		24
330	Snakules: a model-based active contour algorithm for the annotation of spicules on mammography. <i>IEEE Transactions on Medical Imaging</i> , <b>2010</b> , 29, 1768-80	11.7	24
329	3D Face Recognition Founded on the Structural Diversity of Human Faces <b>2007</b> ,		24
328	Evidence based detection of spiculated masses and architectural distortions <b>2005</b> ,		24
327	Blind Image Quality Assessment with a Probabilistic Quality Representation <b>2018</b> ,		24
326	A Markov Decision Model for Adaptive Scheduling of Stored Scalable Videos. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , <b>2013</b> , 23, 1081-1095	6.4	23
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