

Edwin R Hancock

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.

595 papers	7,006 citations	40 h-index	66 g-index
670 ext. papers	8,114 ext. citations	3 avg, IF	6.3 L-index

#	Paper	IF	Citations
595	Uncertainty estimation for stereo matching based on evidential deep learning. <i>Pattern Recognition</i> , 2022 , 124, 108498	7.7	16
594	Direction of Arrival Estimation for Indoor Environments Based on Acoustic Composition Model with a Single Microphone. <i>Pattern Recognition</i> , 2022 , 108715	7.7	
593	Network embedding from the line graph: Random walkers and boosted classification. <i>Pattern Recognition Letters</i> , 2021 , 143, 36-42	4.7	2
592	Internet financing credit risk evaluation using multiple structural interacting elastic net feature selection. <i>Pattern Recognition</i> , 2021 , 114, 107835	7.7	11
591	Thermodynamic motif analysis for directed stock market networks. <i>Pattern Recognition</i> , 2021 , 114, 107877	7.7	6
590	Pooling Attention-based EncoderDecoder Network for semantic segmentation. <i>Computers and Electrical Engineering</i> , 2021 , 93, 107260	4.3	1
589	Multimodal fusion for indoor sound source localization. <i>Pattern Recognition</i> , 2021 , 115, 107906	7.7	2
588	Semi-Supervised Face Frontalization in the Wild. <i>IEEE Transactions on Information Forensics and Security</i> , 2021 , 16, 909-922	8	1
587	Learning Graph Convolutional Networks based on Quantum Vertex Information Propagation. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2021 , 1-1	4.2	0
586	Weighted Network Analysis Using the Debye Model. <i>Lecture Notes in Computer Science</i> , 2021 , 153-163	0.9	
585	Graph Transformer: Learning Better Representations for Graph Neural Networks. <i>Lecture Notes in Computer Science</i> , 2021 , 139-149	0.9	1
584	Network edge entropy decomposition with spin statistics. <i>Pattern Recognition</i> , 2021 , 118, 108040	7.7	1
583	Fused lasso for feature selection using structural information. <i>Pattern Recognition</i> , 2021 , 119, 108058	7.7	4
582	Statistical mechanical analysis for unweighted and weighted stock market networks. <i>Pattern Recognition</i> , 2021 , 120, 108123	7.7	4
581	The Entropy of Graph Embeddings: A Proxy of Potential Mobility in Covid19 Outbreaks. <i>Lecture Notes in Computer Science</i> , 2021 , 195-204	0.9	
580	Uncalibrated, Two Source Photo-Polarimetric Stereo. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2021 , PP,	13.3	1
579	LGL-GNN: Learning Global and Local Information for Graph Neural Networks. <i>Lecture Notes in Computer Science</i> , 2021 , 129-138	0.9	

578	Early Detection of Alzheimer's Disease: Detecting Asymmetries with a Return Random Walk Link Predictor. <i>Entropy</i> , 2020 , 22,	2.8	5
577	Open system quantum thermodynamics of time-varying graphs. <i>Journal of Complex Networks</i> , 2020 , 8,	1.7	3
576	Learning for Graph Matching and Related Combinatorial Optimization Problems 2020 ,		6
575	Estimating Facial Aging Using Light Scattering Photometry. <i>Advances in Computer Vision and Pattern Recognition</i> , 2020 , 205-232	1.1	
574	Learning Aligned-Spatial Graph Convolutional Networks for Graph Classification. <i>Lecture Notes in Computer Science</i> , 2020 , 464-482	0.9	4
573	Estimating Material Parameters Using Light Scattering Model and Polarization. <i>Lecture Notes in Electrical Engineering</i> , 2020 , 405-414	0.2	1
572	Learning binary code for fast nearest subspace search. <i>Pattern Recognition</i> , 2020 , 98, 107040	7.7	42
571	Spectral bounding: Strictly satisfying the 1-Lipschitz property for generative adversarial networks. <i>Pattern Recognition</i> , 2020 , 105, 107179	7.7	6
570	. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2020 , 13, 4257-4270	4.7	16
569	Learning Backtrackless Aligned-Spatial Graph Convolutional Networks for Graph Classification. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2020 , PP,	13.3	23
568	Graph Motif Entropy for Understanding Time-Evolving Networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , PP,	10.3	4
567	Network entropy using edge-based information functionals. <i>Journal of Complex Networks</i> , 2020 , 8,	1.7	2
566	Directed and undirected network evolution from Euler-Lagrange dynamics. <i>Pattern Recognition Letters</i> , 2020 , 134, 135-144	4.7	2
565	Local-global nested graph kernels using nested complexity traces. <i>Pattern Recognition Letters</i> , 2020 , 134, 87-95	4.7	5
564	Seeking affinity structure: Strategies for improving m-best graph matching. <i>Information Sciences</i> , 2020 , 509, 164-182	7.7	0
563	A Quantum-Inspired Similarity Measure for the Analysis of Complete Weighted Graphs. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 1264-1277	10.2	14
562	Entropic Dynamic Time Warping Kernels for Co-Evolving Financial Time Series Analysis. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , PP,	10.3	3
561	Network Time Series Analysis Using Transfer Entropy. <i>Lecture Notes in Computer Science</i> , 2019 , 194-203	0.9	2

560	Structural network inference from time-series data using a generative model and transfer entropy. <i>Pattern Recognition Letters</i> , 2019 , 125, 357-363	4.7	4
559	Network Embedding by Walking on the Line Graph. <i>Lecture Notes in Computer Science</i> , 2019 , 215-225	0.9	
558	Dirichlet densifier bounds: Densifying beyond the spectral gap constraint. <i>Pattern Recognition Letters</i> , 2019 , 125, 425-431	4.7	0
557	Single image super resolution via neighbor reconstruction. <i>Pattern Recognition Letters</i> , 2019 , 125, 157-165	4.7	2
556	The low-rank decomposition of correlation-enhanced superpixels for video segmentation. <i>Soft Computing</i> , 2019 , 23, 13055-13065	3.5	1
555	Depth-based subgraph convolutional auto-encoder for network representation learning. <i>Pattern Recognition</i> , 2019 , 90, 363-376	7.7	20
554	Cross-modal hashing with semantic deep embedding. <i>Neurocomputing</i> , 2019 , 337, 58-66	5.4	20
553	. <i>IEEE Transactions on Multimedia</i> , 2019 , 21, 300-313	6.6	6
552	Deep supervised hashing using symmetric relative entropy. <i>Pattern Recognition Letters</i> , 2019 , 125, 677-683	4.7	6
551	Latent Distribution Preserving Deep Subspace Clustering 2019 ,		17
550	Graph Edge Entropy in Maxwell-Boltzmann Statistics for Alzheimer's Disease Analysis. <i>Lecture Notes in Computer Science</i> , 2019 , 56-66	0.9	
549	Dirichlet densifiers for improved commute times estimation. <i>Pattern Recognition</i> , 2019 , 91, 56-68	7.7	5
548	Deep Hashing by Discriminating Hard Examples 2019 ,		5
547	Deep depth-based representations of graphs through deep learning networks. <i>Neurocomputing</i> , 2019 , 336, 3-12	5.4	11
546	Identifying the most informative features using a structurally interacting elastic net. <i>Neurocomputing</i> , 2019 , 336, 13-26	5.4	10
545	Quantum-based subgraph convolutional neural networks. <i>Pattern Recognition</i> , 2019 , 88, 38-49	7.7	33
544	Face Frontalization Using an Appearance-Flow-Based Convolutional Neural Network. <i>IEEE Transactions on Image Processing</i> , 2019 , 28, 2187-2199	8.7	18
543	A wave packet signature for complex networks. <i>Journal of Complex Networks</i> , 2019 , 7, 346-374	1.7	3

542	Network analysis using entropy component analysis. <i>Journal of Complex Networks</i> , 2018 , 6, 404-429	1.7	7
541	Adaptive hash retrieval with kernel based similarity. <i>Pattern Recognition</i> , 2018 , 75, 136-148	7.7	62
540	Recovering variations in facial albedo from low resolution images. <i>Pattern Recognition</i> , 2018 , 74, 373-384	7.7	3
539	Iterative Deep Subspace Clustering. <i>Lecture Notes in Computer Science</i> , 2018 , 42-51	0.9	0
538	Quantum Edge Entropy for Alzheimer's Disease Analysis. <i>Lecture Notes in Computer Science</i> , 2018 , 449-459	0.9	0
537	Vertex-level three-dimensional shape deformability measurement based on line segment advection. <i>IET Computer Vision</i> , 2018 , 12, 520-526	1.4	0
536	Deep Supervised Hashing with Information Loss. <i>Lecture Notes in Computer Science</i> , 2018 , 395-405	0.9	0
535	Directed Network Analysis Using Transfer Entropy Component Analysis. <i>Lecture Notes in Computer Science</i> , 2018 , 491-500	0.9	0
534	A Mixed Entropy Local-Global Reproducing Kernel for Attributed Graphs. <i>Lecture Notes in Computer Science</i> , 2018 , 501-511	0.9	0
533	Bragg Diffraction Patterns as Graph Characteristics. <i>Lecture Notes in Computer Science</i> , 2018 , 62-75	0.9	0
532	Euler-Lagrange Network Dynamics. <i>Lecture Notes in Computer Science</i> , 2018 , 424-438	0.9	0
531	Graph Time Series Analysis Using Transfer Entropy. <i>Lecture Notes in Computer Science</i> , 2018 , 217-226	0.9	1
530	Dirichlet Densifiers: Beyond Constraining the Spectral Gap. <i>Lecture Notes in Computer Science</i> , 2018 , 512-521	0.9	1
529	Thermodynamic Analysis of Time Evolving Networks. <i>Entropy</i> , 2018 , 20,	2.8	5
528	Leveraging Shannon Entropy to Validate the Transition between ICD-10 and ICD-11. <i>Entropy</i> , 2018 , 20,	2.8	2
527	Directed Graph Evolution from Euler-Lagrange Dynamics 2018 ,		2
526	2018 ,		1
525	Plenoptic Imaging for Seeing Through Turbulence. <i>Lecture Notes in Computer Science</i> , 2018 , 367-375	0.9	0

524	Erratum to Network analysis using entropy component analysis[] <i>Journal of Complex Networks</i> , 2018 , 6, 831-831	1.7	
523	A Preliminary Survey of Analyzing Dynamic Time-Varying Financial Networks Using Graph Kernels. <i>Lecture Notes in Computer Science</i> , 2018 , 237-247	0.9	2
522	Graph Similarity through Entropic Manifold Alignment. <i>SIAM Journal on Imaging Sciences</i> , 2017 , 10, 942-978	1.8	1
521	Joint hypergraph learning and sparse regression for feature selection. <i>Pattern Recognition</i> , 2017 , 63, 291-309	7.7	39
520	High-order covariate interacted Lasso for feature selection. <i>Pattern Recognition Letters</i> , 2017 , 87, 139-146	4.7	13
519	The mutual information between graphs. <i>Pattern Recognition Letters</i> , 2017 , 87, 12-19	4.7	4
518	Symmetry-Aware Mesh Segmentation into Uniform Overlapping Patches. <i>Computer Graphics Forum</i> , 2017 , 36, 95-107	2.4	3
517	Quantum kernels for unattributed graphs using discrete-time quantum walks. <i>Pattern Recognition Letters</i> , 2017 , 87, 96-103	4.7	22
516	Spin statistics, partition functions and network entropy. <i>Journal of Complex Networks</i> , 2017 , 5, 858-883	1.7	16
515	Linear Differential Constraints for Photo-Polarimetric Height Estimation 2017 ,		12
514	Arabic Handwritten Character Recognition Using Structural Shape Decomposition. <i>Signal and Image Processing: an International Journal</i> , 2017 , 8, 01-11	0.3	
513	Shape Simplification Through Graph Sparsification. <i>Lecture Notes in Computer Science</i> , 2017 , 13-22	0.9	1
512	Minimising Entropy Changes in Dynamic Network Evolution. <i>Lecture Notes in Computer Science</i> , 2017 , 255-265	0.9	3
511	Adaptive Feature Selection Based on the Most Informative Graph-Based Features. <i>Lecture Notes in Computer Science</i> , 2017 , 276-287	0.9	4
510	A Nested Alignment Graph Kernel Through the Dynamic Time Warping Framework. <i>Lecture Notes in Computer Science</i> , 2017 , 59-69	0.9	3
509	Detecting Alzheimer's Disease Using Directed Graphs. <i>Lecture Notes in Computer Science</i> , 2017 , 94-104	0.9	5
508	Deep Face Model Compression Using Entropy-Based Filter Selection. <i>Lecture Notes in Computer Science</i> , 2017 , 127-136	0.9	3
507	Network Edge Entropy from Maxwell-Boltzmann Statistics. <i>Lecture Notes in Computer Science</i> , 2017 , 254-264	0.9	3

506	Graph Entropy from Closed Walk and Cycle Functionals. <i>Lecture Notes in Computer Science</i> , 2016 , 174-184.	0.9	1
505	A transitive aligned Weisfeiler-Lehman subtree kernel 2016 ,		1
504	Network entropy analysis using the Maxwell-Boltzmann partition function 2016 ,		4
503	Absorptive scattering model for rough laminar surfaces 2016 ,		2
502	Reflectance-aware optical flow 2016 ,		1
501	Discriminative Lasso. <i>Cognitive Computation</i> , 2016 , 8, 847-855	4.4	5
500	Concentric network symmetry. <i>Information Sciences</i> , 2016 , 333, 61-80	7.7	6
499	Depth-based hypergraph complexity traces from directed line graphs. <i>Pattern Recognition</i> , 2016 , 54, 229-240	7.7	14
498	Discriminative sparse representation for face recognition. <i>Multimedia Tools and Applications</i> , 2016 , 75, 3973-3992	2.5	8
497	High-order graph matching kernel for early carcinoma EUS image classification. <i>Multimedia Tools and Applications</i> , 2016 , 75, 3993-4012	2.5	6
496	Fast depth-based subgraph kernels for unattributed graphs. <i>Pattern Recognition</i> , 2016 , 50, 233-245	7.7	22
495	P2P Lending Analysis Using the Most Relevant Graph-Based Features. <i>Lecture Notes in Computer Science</i> , 2016 , 3-14	0.9	3
494	Thermodynamic Network Analysis with Quantum Spin Statistics. <i>Lecture Notes in Computer Science</i> , 2016 , 153-162	0.9	2
493	fMRI Activation Network Analysis Using Bose-Einstein Entropy. <i>Lecture Notes in Computer Science</i> , 2016 , 218-228	0.9	4
492	Thermodynamic Characterization of Temporal Networks. <i>Lecture Notes in Computer Science</i> , 2016 , 49-59.	0.9	
491	A Jensen-Shannon Divergence Kernel for Directed Graphs. <i>Lecture Notes in Computer Science</i> , 2016 , 196-206	0.9	1
490	Commute Times in Dense Graphs. <i>Lecture Notes in Computer Science</i> , 2016 , 241-251	0.9	2
489	Correlation Network Evolution Using Mean Reversion Autoregression. <i>Lecture Notes in Computer Science</i> , 2016 , 163-173	0.9	2

488	Guest Editorial Special Section on Learning in Non-(geo)metric Spaces. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2016 , 27, 1290-1293	10.3	1
487	Thermodynamics of Time Evolving Networks. <i>Lecture Notes in Computer Science</i> , 2015 , 315-324	0.9	10
486	Measuring graph similarity through continuous-time quantum walks and the quantum Jensen-Shannon divergence. <i>Physical Review E</i> , 2015 , 91, 022815	2.4	29
485	Unfolding Kernel embeddings of graphs: Enhancing class separation through manifold learning. <i>Pattern Recognition</i> , 2015 , 48, 3357-3370	7.7	8
484	Adaptive Graph Learning for Unsupervised Feature Selection. <i>Lecture Notes in Computer Science</i> , 2015 , 790-800	0.9	3
483	Coupled-Feature Hypergraph Representation for Feature Selection. <i>Lecture Notes in Computer Science</i> , 2015 , 44-53	0.9	
482	Generative Graph Prototypes from Information Theory. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2015 , 37, 2013-27	13.3	16
481	An Entropic Edge Assortativity Measure. <i>Lecture Notes in Computer Science</i> , 2015 , 23-33	0.9	2
480	A quantum Jensen-Shannon graph kernel for unattributed graphs. <i>Pattern Recognition</i> , 2015 , 48, 344-355	7.7	68
479	Thermodynamic characterization of networks using graph polynomials. <i>Physical Review E</i> , 2015 , 92, 032810	2.1	24
478	Heat Kernel Embeddings, Differential Geometry and Graph Structure. <i>Axioms</i> , 2015 , 4, 275-293	1.6	2
477	Example-Based Modeling of Facial Texture from Deficient Data 2015 ,		7
476	Unsupervised Feature Selection by Graph Optimization. <i>Lecture Notes in Computer Science</i> , 2015 , 130-140	0.9	1
475	A Quantum Jensen-Shannon Graph Kernel Using Discrete-Time Quantum Walks. <i>Lecture Notes in Computer Science</i> , 2015 , 252-261	0.9	2
474	Similarity Analysis from Limiting Quantum Walks. <i>Lecture Notes in Computer Science</i> , 2015 , 38-53	0.9	
473	Skeletal Graphs from Schrödinger Magnitude and Phase. <i>Lecture Notes in Computer Science</i> , 2015 , 335-344	0.9	
472	An Edge-Based Matching Kernel for Graphs Through the Directed Line Graphs. <i>Lecture Notes in Computer Science</i> , 2015 , 85-95	0.9	2
471	A High-Order Depth-Based Graph Matching Method. <i>Lecture Notes in Computer Science</i> , 2015 , 465-476	0.9	

470	An Edge-Based Matching Kernel Through Discrete-Time Quantum Walks. <i>Lecture Notes in Computer Science</i> , 2015 , 27-38	0.9	1
469	Spherical and Hyperbolic Embeddings of Data. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2014 , 36, 2255-69	13.3	41
468	Approximate von Neumann entropy for directed graphs. <i>Physical Review E</i> , 2014 , 89, 052804	2.4	38
467	Ricci flow embedding for rectifying non-Euclidean dissimilarity data. <i>Pattern Recognition</i> , 2014 , 47, 3709-3725	3.7	4
466	A Graph Kernel from the Depth-Based Representation. <i>Lecture Notes in Computer Science</i> , 2014 , 1-11	0.9	4
465	Seamless texture stitching on a 3D mesh by poisson blending in patches 2014 ,		9
464	An Attributed Graph Kernel from the Jensen-Shannon Divergence 2014 ,		2
463	Graph Characterization from Entropy Component Analysis 2014 ,		4
462	A Hypergraph Kernel from Isomorphism Tests 2014 ,		6
461	Guest Editorial Special Issue on Facial Biometrics in the Wild. <i>IEEE Transactions on Information Forensics and Security</i> , 2014 , 9, 2019-2023	8	2
460	Obstacle detection by means of stereo feature matching 2014 ,		1
459	Curvature Estimation for Ricci Flow Embedding 2014 ,		2
458	Commute Time for a Gaussian Wave Packet on a Graph. <i>Lecture Notes in Computer Science</i> , 2014 , 374-383	0.9	
457	Graph Characterization Using Wave Kernel Trace 2014 ,		1
456	Depth-based complexity traces of graphs. <i>Pattern Recognition</i> , 2014 , 47, 1172-1186	7.7	28
455	Node Centrality for Continuous-Time Quantum Walks. <i>Lecture Notes in Computer Science</i> , 2014 , 103-112	0.9	4
454	Entropic Graph Embedding via Multivariate Degree Distributions. <i>Lecture Notes in Computer Science</i> , 2014 , 163-172	0.9	1
453	Attributed Graph Kernels Using the Jensen-Tsallis q-Differences. <i>Lecture Notes in Computer Science</i> , 2014 , 99-114	0.9	14

452	Pattern Recognition with Non-Euclidean Similarities. <i>Advances in Intelligent Systems and Computing</i> , 2014 , 3-15	0.4	
451	Transitive State Alignment for the Quantum Jensen-Shannon Kernel. <i>Lecture Notes in Computer Science</i> , 2014 , 22-31	0.9	3
450	Thermodynamic Depth in Undirected and Directed Networks 2013 , 229-247		
449	Graph Kernels from the Jensen-Shannon Divergence. <i>Journal of Mathematical Imaging and Vision</i> , 2013 , 47, 60-69	1.6	57
448	Computer Analysis of Images and Patterns. <i>Lecture Notes in Computer Science</i> , 2013 ,	0.9	2
447	Robust estimation of shape and polarisation using blind source separation. <i>Pattern Recognition Letters</i> , 2013 , 34, 856-862	4.7	3
446	Shape and Refractive Index from Single-View Spectro-Polarimetric Images. <i>International Journal of Computer Vision</i> , 2013 , 101, 64-94	10.6	25
445	Eigenfunctions of the edge-based Laplacian on a graph. <i>Linear Algebra and Its Applications</i> , 2013 , 438, 4183-4189	0.9	8
444	Backtrackless walks on a graph. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2013 , 24, 977-89	10.3	42
443	Co-evolution of networks and quantum dynamics: a generalization of preferential attachment. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2013 , 2013, P08016	1.9	2
442	Analysis of the Schrödinger Operator in the Context of Graph Characterization. <i>Lecture Notes in Computer Science</i> , 2013 , 190-203	0.9	4
441	Graph Characteristics from the Schrödinger Operator. <i>Lecture Notes in Computer Science</i> , 2013 , 172-181	0.9	2
440	Graph Characterization Using Gaussian Wave Packet Signature. <i>Lecture Notes in Computer Science</i> , 2013 , 176-189	0.9	2
439	Eigenvector Sign Correction for Spectral Correspondence Matching. <i>Lecture Notes in Computer Science</i> , 2013 , 41-50	0.9	
438	Characterizing graph symmetries through quantum Jensen-Shannon divergence. <i>Physical Review E</i> , 2013 , 88, 032806	2.4	30
437	Computer Analysis of Images and Patterns. <i>Lecture Notes in Computer Science</i> , 2013 ,	0.9	5
436	Graph-Based Methods in Computer Vision 2013 ,		5
435	A Continuous-Time Quantum Walk Kernel for Unattributed Graphs. <i>Lecture Notes in Computer Science</i> , 2013 , 101-110	0.9	10

434	A Quantum Jensen-Shannon Graph Kernel Using the Continuous-Time Quantum Walk. <i>Lecture Notes in Computer Science</i> , 2013 , 121-131	0.9	7
433	Gaussian Wave Packet on a Graph. <i>Lecture Notes in Computer Science</i> , 2013 , 224-233	0.9	4
432	Attributed Graph Similarity from the Quantum Jensen-Shannon Divergence. <i>Lecture Notes in Computer Science</i> , 2013 , 204-218	0.9	2
431	Entropy and Heterogeneity Measures for Directed Graphs. <i>Lecture Notes in Computer Science</i> , 2013 , 219-234	0.9	5
430	Complexity Fusion for Indexing Reeb Digraphs. <i>Lecture Notes in Computer Science</i> , 2013 , 120-127	0.9	3
429	Analysis of Wave Packet Signature of a Graph. <i>Lecture Notes in Computer Science</i> , 2013 , 128-136	0.9	2
428	Information-Theoretic Dissimilarities for Graphs. <i>Lecture Notes in Computer Science</i> , 2013 , 90-105	0.9	1
427	TurboTensors for Entropic Image Comparison. <i>Lecture Notes in Computer Science</i> , 2013 , 51-60	0.9	
426	Geometricity and Embedding 2013 , 121-155		
425	A Fast Jensen-Shannon Subgraph Kernel. <i>Lecture Notes in Computer Science</i> , 2013 , 181-190	0.9	1
424	Manifold Learning and the Quantum Jensen-Shannon Divergence Kernel. <i>Lecture Notes in Computer Science</i> , 2013 , 62-69	0.9	
423	A Graph Embedding Method Using the Jensen-Shannon Divergence. <i>Lecture Notes in Computer Science</i> , 2013 , 102-109	0.9	2
422	Estimating Complex Refractive Index Using Ellipsometry. <i>Lecture Notes in Computer Science</i> , 2013 , 201-209	0.9	1
421	Heterogeneity Index for Directed Graphs. <i>Lecture Notes in Computer Science</i> , 2013 , 424-431	0.9	1
420	Efficient computation of Ihara coefficients using the Bell polynomial recursion. <i>Linear Algebra and Its Applications</i> , 2012 , 436, 1436-1441	0.9	11
419	Pattern analysis with graphs: Parallel work at Bern and York. <i>Pattern Recognition Letters</i> , 2012 , 33, 833-841	0.9	21
418	Computing Gender Difference Using Fisher-Rao Metric from Facial Surface Normals 2012 ,		3
417	Detection of Edges in Color Images: A Review and Evaluative Comparison of State-of-the-Art Techniques. <i>Lecture Notes in Computer Science</i> , 2012 , 250-259	0.9	5

416	Graph characterizations from von Neumann entropy. <i>Pattern Recognition Letters</i> , 2012 , 33, 1958-1967	4.7	76
415	Hypergraph based information-theoretic feature selection. <i>Pattern Recognition Letters</i> , 2012 , 33, 1991-1999	4.7	27
414	Heat diffusion: thermodynamic depth complexity of networks. <i>Physical Review E</i> , 2012 , 85, 036206	2.4	48
413	KERNEL ENTROPY-BASED UNSUPERVISED SPECTRAL FEATURE SELECTION. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2012 , 26, 1260002	1.1	12
412	A Jensen-Shannon Kernel for Hypergraphs. <i>Lecture Notes in Computer Science</i> , 2012 , 181-189	0.9	2
411	Approximate Axial Symmetries from Continuous Time Quantum Walks. <i>Lecture Notes in Computer Science</i> , 2012 , 144-152	0.9	8
410	Heat Flow-Thermodynamic Depth Complexity in Directed Networks. <i>Lecture Notes in Computer Science</i> , 2012 , 190-198	0.9	5
409	Shape Analysis Using the Edge-Based Laplacian. <i>Lecture Notes in Computer Science</i> , 2012 , 382-390	0.9	5
408	Graph Complexity from the Jensen-Shannon Divergence. <i>Lecture Notes in Computer Science</i> , 2012 , 79-88	0.9	3
407	A Statistical Operator for Detecting Weak Edges in Low Contrast Images. <i>Lecture Notes in Computer Science</i> , 2012 , 89-96	0.9	0
406	An Efficient Scheme for Color Edge Detection in Uniform Color Space. <i>Lecture Notes in Computer Science</i> , 2012 , 260-267	0.9	1
405	Hypergraph Spectra for Unsupervised Feature Selection. <i>Lecture Notes in Computer Science</i> , 2012 , 620-628	0.9	5
404	3D Shape Classification Using Commute Time. <i>Lecture Notes in Computer Science</i> , 2012 , 208-215	0.9	1
403	Estimating Surface Characteristics and Extracting Features from Polarisation. <i>Lecture Notes in Computer Science</i> , 2012 , 400-408	0.9	1
402	Hypergraph Spectra for Semi-supervised Feature Selection. <i>Lecture Notes in Computer Science</i> , 2012 , 207-222	0.9	1
401	Localized Graph-Based Feature Selection for Clustering. <i>Lecture Notes in Computer Science</i> , 2012 , 1-10	0.9	1
400	Information Theoretic Prototype Selection for Unattributed Graphs. <i>Lecture Notes in Computer Science</i> , 2012 , 33-41	0.9	2
399	Unsupervised Clustering of Human Pose Using Spectral Embedding. <i>Lecture Notes in Computer Science</i> , 2012 , 467-473	0.9	1

398	Characterizing Graphs Using Approximate von Neumann Entropy. <i>Lecture Notes in Computer Science</i> , 2011 , 484-491	0.9	2
397	Entropy versus Heterogeneity for Graphs. <i>Lecture Notes in Computer Science</i> , 2011 , 32-41	0.9	
396	Tensor-based total bregman divergences between graphs 2011 ,		3
395	Graph Characterization via Backtrackless Paths. <i>Lecture Notes in Computer Science</i> , 2011 , 149-162	0.9	3
394	Quantum walks, Ihara zeta functions and cospectrality in regular graphs. <i>Quantum Information Processing</i> , 2011 , 10, 405-417	1.6	29
393	A polynomial characterization of hypergraphs using the Ihara zeta function. <i>Pattern Recognition</i> , 2011 , 44, 1941-1957	7.7	14
392	Graph characterization via Ihara coefficients. <i>IEEE Transactions on Neural Networks</i> , 2011 , 22, 233-45		57
391	An information theoretic approach to gender feature selection 2011 ,		1
390	Supervised relevance maps for increasing the distinctiveness of facial images. <i>Pattern Recognition</i> , 2011 , 44, 929-939	7.7	14
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387	Refractive index estimation using photometric stereo 2011 ,		2
386	Generalized SOM with Application to Facial Gender Identification. <i>Jisuanji Xuebao/Chinese Journal of Computers</i> , 2011 , 34, 1719-1725		3
385	A Graph-Based Approach to Feature Selection. <i>Lecture Notes in Computer Science</i> , 2011 , 205-214	0.9	23
384	Learning Generative Graph Prototypes Using Simplified von Neumann Entropy. <i>Lecture Notes in Computer Science</i> , 2011 , 42-51	0.9	4
383	Reflection Component Separation Using Statistical Analysis and Polarisation. <i>Lecture Notes in Computer Science</i> , 2011 , 476-483	0.9	5
382	Fusion of Multiple Candidate Orientations in Fingerprints. <i>Lecture Notes in Computer Science</i> , 2011 , 89-100	0.9	4
381	Graph Clustering Using the Jensen-Shannon Kernel. <i>Lecture Notes in Computer Science</i> , 2011 , 394-401	0.9	5

380	Determining the Cause of Negative Dissimilarity Eigenvalues. <i>Lecture Notes in Computer Science</i> , 2011 , 589-597	0.9	5
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378	Mutual Information Criteria for Feature Selection. <i>Lecture Notes in Computer Science</i> , 2011 , 235-249	0.9	4
377	An Information Theoretic Approach to Learning Generative Graph Prototypes. <i>Lecture Notes in Computer Science</i> , 2011 , 133-148	0.9	2
376	Robust Shape and Polarisation Estimation Using Blind Source Separation. <i>Lecture Notes in Computer Science</i> , 2011 , 178-185	0.9	1
375	A Hypergraph-Based Approach to Feature Selection. <i>Lecture Notes in Computer Science</i> , 2011 , 228-235	0.9	0
374	Facial Expression Recognition Using Nonrigid Motion Parameters and Shape-from-Shading. <i>Lecture Notes in Computer Science</i> , 2011 , 105-113	0.9	1
373	From Points to Nodes: Inverse Graph Embedding through a Lagrangian Formulation. <i>Lecture Notes in Computer Science</i> , 2011 , 194-201	0.9	2
372	Natural Material Segmentation and Classification Using Polarisation. <i>Lecture Notes in Computer Science</i> , 2011 , 468-475	0.9	
371	Rectifying Non-euclidean Similarity Data through Tangent Space Reprojection. <i>Lecture Notes in Computer Science</i> , 2011 , 379-386	0.9	
370	Refractive Index Estimation Using Polarisation and Photometric Stereo. <i>Lecture Notes in Computer Science</i> , 2011 , 548-554	0.9	
369	Feature Point Matching Using a Hermitian Property Matrix. <i>Lecture Notes in Computer Science</i> , 2011 , 321-332	0.9	
368	Improved Content-Based Watermarking Using Scale-Invariant Feature Points. <i>Lecture Notes in Computer Science</i> , 2011 , 636-649	0.9	1
367	Refractive Index Estimation of Naturally Occurring Surfaces Using Photometric Stereo. <i>Lecture Notes in Computer Science</i> , 2011 , 267-275	0.9	
366	Kernelising the Ihara Zeta Function. <i>Lecture Notes in Computer Science</i> , 2011 , 219-227	0.9	
365	Feature Selection for Gender Classification. <i>Lecture Notes in Computer Science</i> , 2011 , 76-83	0.9	2
364	Spherical Embedding and Classification. <i>Lecture Notes in Computer Science</i> , 2010 , 589-599	0.9	9
363	A Supergraph-based Generative Model 2010 ,		7

362	Shape and refractive index recovery from single-view polarisation images 2010 ,		38
361	Heat Flow-Thermodynamic Depth Complexity in Networks 2010 ,		1
360	Characterising Facial Gender Difference Using Fisher-Rao Metric 2010 ,		2
359	Robust Computation of the Polarisation Image 2010 ,		6
358	Rectifying Non-Euclidean Similarity Data Using Ricci Flow Embedding 2010 ,		6
357	Recovering 3D Shape Using an Improved Fast Marching Method 2010 ,		2
356	Distinguishing facial expression using the Fisher-Rao metric 2010 ,		1
355	Detection of skin lesions using diffuse polarisation 2010 ,		2
354	Coupled prediction classification for robust visual tracking. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2010 , 32, 1553-67	13.3	12
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351	Robust Shape from Polarisation and Shading 2010 ,		1
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341	Affinity Propagation for Class Exemplar Mining. <i>Lecture Notes in Computer Science</i> , 2010 , 191-201	0.9	
340	Associating Minutiae between Distorted Fingerprints Using Minimal Spanning Tree. <i>Lecture Notes in Computer Science</i> , 2010 , 235-245	0.9	
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336	Face Recognition Using Simplicial Complexes. <i>Lecture Notes in Computer Science</i> , 2010 , 22-29	0.9	
335	Surface Material Segmentation Using Polarisation. <i>Lecture Notes in Computer Science</i> , 2010 , 115-124	0.9	4
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333	Learning Large Scale Class Specific Hyper Graphs for Object Recognition 2009 ,		7
332	Extracting gender discriminating features from facial needle-maps 2009 ,		1
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322	Pairwise Similarity Propagation Based Graph Clustering for Scalable Object Indexing and Retrieval. <i>Lecture Notes in Computer Science</i> , 2009 , 184-194	0.9	3
321	Flow Complexity: Fast Polytopal Graph Complexity and 3D Object Clustering. <i>Lecture Notes in Computer Science</i> , 2009 , 253-262	0.9	8
320	Geometric Characterizations of Graphs Using Heat Kernel Embeddings. <i>Lecture Notes in Computer Science</i> , 2009 , 124-142	0.9	2
319	Hypergraphs, Characteristic Polynomials and the Ihara Zeta Function. <i>Lecture Notes in Computer Science</i> , 2009 , 369-376	0.9	4
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298	Facial Gender Classification Using Shape from Shading and Weighted Principal Geodesic Analysis. <i>Lecture Notes in Computer Science</i> , 2008 , 925-934	0.9	8
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211	Adding Subsurface Attenuation to the Beckmann-Kirchhoff Theory. <i>Lecture Notes in Computer Science</i> , 2005 , 247-254	0.9	
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177	Skin reflectance modelling for face recognition 2004 ,		2
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166	Graph matching using spectral embedding and alignment 2004 ,		4
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7	Surface height recovery from surface normals using manifold embedding		2
6	Estimating the surface radiance function from single images		2
5	Pattern spaces from graph polynomials		2
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