Edwin R Hancock

List of Publications by Year
in descending order

615 papers	9,039 citations	57719 44 h-index	76872 74 g-index
670 all docs	670 docs citations	670 times ranked	5245 citing authors

#	Article	IF	Citations
1	Structural graph matching using the EM algorithm and singular value decomposition. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2001, 23, 1120-1136.	9.7	270
2	Structural matching by discrete relaxation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1997, 19, 634-648.	9.7	253
3	Spectral embedding of graphs. Pattern Recognition, 2003, 36, 2213-2230.	5.1	214
4	Graph spectral image smoothing using the heat kernel. Pattern Recognition, 2008, 41, 3328-3342.	5.1	203
5	Spectral correspondence for point pattern matching. Pattern Recognition, 2003, 36, 193-204.	5.1	198
6	New constraints on data-closeness and needle map consistency for shape-from-shading. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1999, 21, 1250-1267.	9.7	186
7	Recovery of surface orientation from diffuse polarization. IEEE Transactions on Image Processing, 2006, 15, 1653-1664.	6.0	183
8	Clustering and Embedding Using Commute Times. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2007, 29, 1873-1890.	9.7	179
9	Pattern vectors from algebraic graph theory. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2005, 27, 1112-1124.	9.7	172
10	Graph matching with a dual-step EM algorithm. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1998, 20, 1236-1253.	9.7	164
11	Graph edit distance from spectral seriation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2005, 27, 365-378.	9.7	152
12	Bayesian graph edit distance. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2000, 22, 628-635.	9.7	127
13	Graph characteristics from the heat kernel trace. Pattern Recognition, 2009, 42, 2589-2606.	5.1	127
14	Inexact graph matching using genetic search. Pattern Recognition, 1997, 30, 953-970.	5.1	126
15	Edge-labeling using dictionary-based relaxation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1990, 12, 165-181.	9.7	112
16	Discrete relaxation. Pattern Recognition, 1990, 23, 711-733.	5.1	109
17	Uncertainty estimation for stereo matching based on evidential deep learning. Pattern Recognition, 2022, 124, 108498.	5.1	108
18	Graph characterizations from von Neumann entropy. Pattern Recognition Letters, 2012, 33, 1958-1967.	2.6	96

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19	Recovering Facial Shape Using a Statistical Model of Surface Normal Direction. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2006, 28, 1914-1930.	9.7	95
20	A Riemannian approach to graph embedding. Pattern Recognition, 2007, 40, 1042-1056.	5.1	83
21	A quantum Jensenâ€"Shannon graph kernel for unattributed graphs. Pattern Recognition, 2015, 48, 344-355.	5.1	78
22	Adaptive hash retrieval with kernel based similarity. Pattern Recognition, 2018, 75, 136-148.	5.1	76
23	Shape Estimation Using Polarization and Shading from Two Views. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2007, 29, 2001-2017.	9.7	73
24	Graph Kernels from the Jensen-Shannon Divergence. Journal of Mathematical Imaging and Vision, 2013, 47, 60-69.	0.8	72
25	Graph matching and clustering using spectral partitions. Pattern Recognition, 2006, 39, 22-34.	5.1	70
26	Learning shape-classes using a mixture of tree-unions. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2006, 28, 954-967.	9.7	68
27	Graph Characterization via Ihara Coefficients. IEEE Transactions on Neural Networks, 2011, 22, 233-245.	4.8	66
28	Computing approximate tree edit distance using relaxation labeling. Pattern Recognition Letters, 2003, 24, 1089-1097.	2.6	65
29	Spherical and Hyperbolic Embeddings of Data. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2014, 36, 2255-2269.	9.7	63
30	Correspondence matching with modal clusters. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2003, 25, 1609-1615.	9.7	60
31	A skeletal measure of 2D shape similarity. Computer Vision and Image Understanding, 2004, 95, 1-29.	3.0	60
32	Probabilistic white matter fiber tracking using particle filtering and von Misesâ€"Fisher sampling. Medical Image Analysis, 2009, 13, 5-18.	7.0	60
33	Shape and refractive index recovery from single-view polarisation images. , 2010, , .		60
34	Heat diffusion: Thermodynamic depth complexity of networks. Physical Review E, 2012, 85, 036206.	0.8	57
35	Joint hypergraph learning and sparse regression for feature selection. Pattern Recognition, 2017, 63, 291-309.	5.1	56
36	A Bayesian compatibility model for graph matching. Pattern Recognition Letters, 1996, 17, 263-276.	2.6	55

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37	Learning binary code for fast nearest subspace search. Pattern Recognition, 2020, 98, 107040.	5.1	55
38	Needle map recovery using robust regularizers. Image and Vision Computing, 1999, 17, 545-557.	2.7	54
39	Terrain analysis using radar shape-from-shading. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2003, 25, 974-992.	9.7	53
40	Deterministic search for relational graph matching. Pattern Recognition, 1999, 32, 1255-1271.	5.1	51
41	Geometric characterization and clustering of graphs using heat kernel embeddings. Image and Vision Computing, 2010, 28, 1003-1021.	2.7	51
42	A probabilistic framework for specular shape-from-shading. Pattern Recognition, 2003, 36, 407-427.	5.1	50
43	Backtrackless Walks on a Graph. IEEE Transactions on Neural Networks and Learning Systems, 2013, 24, 977-989.	7.2	50
44	Multiple graph matching with Bayesian inference. Pattern Recognition Letters, 1997, 18, 1275-1281.	2.6	48
45	The modified Beckmannâ€"Kirchhoff scattering theory for rough surface analysis. Pattern Recognition, 2007, 40, 2004-2020.	5.1	47
46	The M170 Reflects a Viewpoint-Dependent Representation for Both Familiar and Unfamiliar Faces. Cerebral Cortex, 2008, 18, 364-370.	1.6	47
47	Ensemble of Piecewise FDA Based on Spatial Histograms of Local (Gabor) Binary Patterns for Face Recognition. , 2006, , .		45
48	Discovering Shape Classes using Tree Edit-Distance and Pairwise Clustering. International Journal of Computer Vision, 2007, 72, 259-285.	10.9	45
49	Approximate von Neumann entropy for directed graphs. Physical Review E, 2014, 89, 052804.	0.8	45
50	Quantum-based subgraph convolutional neural networks. Pattern Recognition, 2019, 88, 38-49.	5.1	44
51	Empirical Modelling of Genetic Algorithms. Evolutionary Computation, 2001, 9, 461-493.	2.3	43
52	Facial Shape-from-shading and Recognition Using Principal Geodesic Analysis and Robust Statistics. International Journal of Computer Vision, 2007, 76, 71-91.	10.9	43
53	Learning Backtrackless Aligned-Spatial Graph Convolutional Networks for Graph Classification. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 783-798.	9.7	43
54	Matching delaunay graphs. Pattern Recognition, 1997, 30, 123-140.	5.1	42

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55	Quantum walks, Ihara zeta functions and cospectrality in regular graphs. Quantum Information Processing, 2011, 10, 405-417.	1.0	42
56	Coined quantum walks lift the cospectrality of graphs and trees. Pattern Recognition, 2009, 42, 1988-2002.	5.1	41
57	A unified framework for alignment and correspondence. Computer Vision and Image Understanding, 2003, 92, 26-55.	3.0	40
58	STRING EDIT DISTANCE, RANDOM WALKS AND GRAPH MATCHING. International Journal of Pattern Recognition and Artificial Intelligence, 2004, 18, 315-327.	0.7	39
59	Relational matching by discrete relaxation. Image and Vision Computing, 1995, 13, 411-421.	2.7	38
60	A Coupled Statistical Model for Face Shape Recovery From Brightness Images. IEEE Transactions on Image Processing, 2007, 16, 1139-1151.	6.0	38
61	Depth-based complexity traces of graphs. Pattern Recognition, 2014, 47, 1172-1186.	5.1	38
62	A Matrix Representation of Graphs and its Spectrum as a Graph Invariant. Electronic Journal of Combinatorics, 2006, 13, .	0.2	38
63	Shape and Refractive Index from Single-View Spectro-Polarimetric Images. International Journal of Computer Vision, 2013, 101, 64-94.	10.9	37
64	Multi-view surface reconstruction using polarization. , 2005, , .		36
65	Graph matching using the interference of continuous-time quantum walks. Pattern Recognition, 2009, 42, 985-1002.	5.1	36
66	Measuring graph similarity through continuous-time quantum walks and the quantum Jensen-Shannon divergence. Physical Review E, 2015, 91, 022815.	0.8	36
67	Face Frontalization Using an Appearance-Flow-Based Convolutional Neural Network. IEEE Transactions on Image Processing, 2019, 28, 2187-2199.	6.0	36
68	Iterative Procrustes alignment with the EM algorithm. Image and Vision Computing, 2002, 20, 377-396.	2.7	35
69	Surface radiance correction for shape from shading. Pattern Recognition, 2005, 38, 1574-1595.	5.1	35
70	Graph embedding using tree edit-union. Pattern Recognition, 2007, 40, 1393-1405.	5.1	35
71	A generative model for graph matching and embedding. Computer Vision and Image Understanding, 2009, 113, 777-789.	3.0	35
72	Latent Distribution Preserving Deep Subspace Clustering. , 2019, , .		35

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73	Facial gender classification using shape-from-shading. Image and Vision Computing, 2010, 28, 1039-1048.	2.7	34
74	Hypergraph based information-theoretic feature selection. Pattern Recognition Letters, 2012, 33, 1991-1999.	2.6	34
75	Charm photoproduction at 20 GeV. Physical Review D, 1984, 30, 1-21.	1.6	33
76	An Energy Function and Continuous Edit Process for Graph Matching. Neural Computation, 1998, 10, 1873-1894.	1.3	33
77	Lifetimes, cross sections, and production mechanisms of charmed particles produced by 20-GeV photons. Physical Review D, 1986, 33, 1-18.	1.6	32
78	SYMBOLIC GRAPH MATCHING WITH THE EM ALGORITHM. Pattern Recognition, 1998, 31, 1777-1790.	5.1	32
79	Characterizing graph symmetries through quantum Jensen-Shannon divergence. Physical Review E, 2013, 88, 032806.	0.8	32
80	Shape recognition from large image libraries by inexact graph matching. Pattern Recognition Letters, 1999, 20, 1259-1269.	2.6	31
81	A Graph-Based Approach to Feature Selection. Lecture Notes in Computer Science, 2011, , 205-214.	1.0	31
82	Subspace Structure Regularized Nonnegative Matrix Factorization for Hyperspectral Unmixing. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 4257-4270.	2.3	30
83	Relational object recognition from large structural libraries. Pattern Recognition, 2002, 35, 1895-1915.	5.1	29
84	Thermodynamic characterization of networks using graph polynomials. Physical Review E, 2015, 92, 032810.	0.8	28
85	A polynomial characterization of hypergraphs using the Ihara zeta function. Pattern Recognition, 2011, 44, 1941-1957.	5.1	27
86	Internet financing credit risk evaluation using multiple structural interacting elastic net feature selection. Pattern Recognition, 2021, 114, 107835.	5.1	27
87	Efficiently Computing Weighted Tree Edit Distance Using Relaxation Labeling. Lecture Notes in Computer Science, 2001, , 438-453.	1.0	27
88	Surface Reconstruction Using Polarization and Photometric Stereo. Lecture Notes in Computer Science, 2007, , 466-473.	1.0	27
89	Two-dimensional BRDF estimation from polarisation. Computer Vision and Image Understanding, 2008, 111, 126-141.	3.0	26
90	Depth-based subgraph convolutional auto-encoder for network representation learning. Pattern Recognition, 2019, 90, 363-376.	5.1	26

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91	Multiple line-template matching with the EM algorithm. Pattern Recognition Letters, 1997, 18, 1283-1292.	2.6	25
92	Corner detection via topographic analysis of vector-potential. Pattern Recognition Letters, 1999, 20, 635-650.	2.6	25
93	Spectral Feature Vectors for Graph Clustering. Lecture Notes in Computer Science, 2002, , 83-93.	1.0	25
94	Correcting Curvature-Density Effects in the Hamiltonâ€"Jacobi Skeleton. IEEE Transactions on Image Processing, 2006, 15, 877-891.	6.0	25
95	Fast depth-based subgraph kernels for unattributed graphs. Pattern Recognition, 2016, 50, 233-245.	5.1	25
96	Quantum kernels for unattributed graphs using discrete-time quantum walks. Pattern Recognition Letters, 2017, 87, 96-103.	2.6	25
97	Cross-modal hashing with semantic deep embedding. Neurocomputing, 2019, 337, 58-66.	3.5	25
98	Object recognition using shape-from-shading. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2001, 23, 535-542.	9.7	24
99	Testing new variants of the Beckmannâ€"Kirchhoff model against radiance data. Computer Vision and Image Understanding, 2006, 102, 145-168.	3.0	24
100	Inclusive photoproduction of neutral strange particles at 20 GeV. Physical Review D, 1984, 29, 1877-1887.	1.6	23
101	Genetic algorithms for ambiguous labelling problems. Pattern Recognition, 2000, 33, 685-704.	5.1	23
102	Least-commitment graph matching with genetic algorithms. Pattern Recognition, 2001, 34, 375-394.	5.1	23
103	A spectral approach to learning structural variations in graphs. Pattern Recognition, 2006, 39, 1188-1198.	5.1	23
104	Graph simplification and matching using commute times. Pattern Recognition, 2007, 40, 2874-2889.	5.1	23
105	Pattern analysis with graphs: Parallel work at Bern and York. Pattern Recognition Letters, 2012, 33, 833-841.	2.6	23
106	Study of theÏâ€²(1600)Mass Region UsingÎ³pâ†'Ï€+Ï€âˆ'pat 20 GeV. Physical Review Letters, 1984, 53, 751-754.	2.9	22
107	Correspondence matching using kernel principal components analysis and label consistency constraints. Pattern Recognition, 2006, 39, 1012-1025.	5.1	22
108	Linear Differential Constraints for Photo-Polarimetric Height Estimation. , 2017, , .		22

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109	Lifetimes of Charmed Particles Produced in a 20-GeVÎ³pExperiment. Physical Review Letters, 1982, 48, 1526-1529.	2.9	21
110	A probabilistic spectral framework for grouping and segmentation. Pattern Recognition, 2004, 37, 1387-1405.	5.1	21
111	Graph matching through entropic manifold alignment. , 2011, , .		21
112	Spin statistics, partition functions and network entropy. Journal of Complex Networks, 2017, 5, 858-883.	1.1	21
113	Deep Hashing by Discriminating Hard Examples. , 2019, , .		21
114	A Kernel View of Spectral Point Pattern Matching. Lecture Notes in Computer Science, 2004, , 361-369.	1.0	21
115	3D Object Recognition Using Hyper-Graphs and Ranked Local Invariant Features. Lecture Notes in Computer Science, 2008, , 117-126.	1.0	21
116	Genetic algorithm parameter sets for line labelling. Pattern Recognition Letters, 1997, 18, 1363-1371.	2.6	20
117	Probabilistic relaxation labelling using the Fokkerâ€"Planck equation. Pattern Recognition, 2008, 41, 3393-3411.	5.1	20
118	Generative Graph Prototypes from Information Theory. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2015, 37, 2013-2027.	9.7	20
119	Heat Kernels, Manifolds and Graph Embedding. Lecture Notes in Computer Science, 2004, , 198-206.	1.0	19
120	High-order covariate interacted Lasso for feature selection. Pattern Recognition Letters, 2017, 87, 139-146.	2.6	19
121	Graph Embedding Using Quantum Commute Times. Lecture Notes in Computer Science, 2007, , 371-382.	1.0	19
122	Photoproduction of an isovector Ï€ state at 1775 MeV. Physical Review D, 1991, 43, 2787-2791.	1.6	18
123	Registering incomplete radar images using the EM algorithm. Image and Vision Computing, 1997, 15, 637-648.	2.7	18
124	Scale space vector fields for symmetry detection. Image and Vision Computing, 1999, 17, 337-345.	2.7	18
125	A Graph-Spectral Approach to Shape-From-Shading. IEEE Transactions on Image Processing, 2004, 13, 912-926.	6.0	18
126	Recovering facial shape and albedo using a statistical model of surface normal direction. , 2005, , .		18

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127	Fused lasso for feature selection using structural information. Pattern Recognition, 2021, 119, 108058.	5.1	18
128	Measuring Graph Similarity Using Spectral Geometry. Lecture Notes in Computer Science, 2008, , 517-526.	1.0	18
129	Attributed Graph Kernels Using the Jensen-Tsallis q-Differences. Lecture Notes in Computer Science, 2014, , 99-114.	1.0	18
130	Graph matching by discrete relaxation. Machine Intelligence and Pattern Recognition, 1994, 16, 165-176.	0.2	18
131	Genetic search for structural matching. Lecture Notes in Computer Science, 1996, , 514-525.	1.0	17
132	Convergence of a hill-climbing genetic algorithm for graph matching. Pattern Recognition, 2000, 33, 1863-1880.	5.1	17
133	Acquiring height data from a single image of a face using local shape indicators. Computer Vision and Image Understanding, 2006, 103, 64-79.	3.0	17
134	A Quantum-Inspired Similarity Measure for the Analysis of Complete Weighted Graphs. IEEE Transactions on Cybernetics, 2020, 50, 1264-1277.	6.2	17
135	Learning for Graph Matching and Related Combinatorial Optimization Problems. , 2020, , .		17
136	Iterative curve organisation with the EM algorithm. Pattern Recognition Letters, 1997, 18, 143-155.	2.6	16
137	Structural Matching with Active Triangulations. Computer Vision and Image Understanding, 1998, 72, 21-38.	3.0	16
138	Graph matching using the interference of discrete-time quantum walks. Image and Vision Computing, 2009, 27, 934-949.	2.7	16
139	Depth-based hypergraph complexity traces from directed line graphs. Pattern Recognition, 2016, 54, 229-240.	5.1	16
140	A Bayesian interpretation for the exponential correlation associative memory. Pattern Recognition Letters, 1998, 19, 149-159.	2.6	15
141	Shape from periodic texture using the eigenvectors of local affine distortion. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2001, 23, 1459-1465.	9.7	15
142	Estimating the surface radiance function from single images. Graphical Models, 2005, 67, 518-548.	1.1	15
143	New Riemannian techniques for directional and tensorial image data. Pattern Recognition, 2010, 43, 1590-1606.	5.1	15
144	Supervised relevance maps for increasing the distinctiveness of facial images. Pattern Recognition, 2011, 44, 929-939.	5.1	15

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145	Graph matching with hierarchical discrete relaxation. Pattern Recognition Letters, 1999, 20, 1041-1052.	2.6	14
146	Coupled Prediction Classification for Robust Visual Tracking. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2010, 32, 1553-1567.	9.7	14
147	KERNEL ENTROPY-BASED UNSUPERVISED SPECTRAL FEATURE SELECTION. International Journal of Pattern Recognition and Artificial Intelligence, 2012, 26, 1260002.	0.7	14
148	Seamless texture stitching on a 3D mesh by poisson blending in patches. , 2014, , .		14
149	Recovering facial pose with the EM algorithm. Pattern Recognition, 2002, 35, 2073-2093.	5.1	13
150	A Light Scattering Model for Layered Dielectrics with Rough Surface Boundaries. International Journal of Computer Vision, 2008, 79, 179-207.	10.9	13
151	Spherical Embedding and Classification. Lecture Notes in Computer Science, 2010, , 589-599.	1.0	13
152	Gender discriminating models from facial surface normals. Pattern Recognition, 2011, 44, 2871-2886.	5.1	13
153	Thermodynamics of Time Evolving Networks. Lecture Notes in Computer Science, 2015, , 315-324.	1.0	13
154	Unfolding Kernel embeddings of graphs: Enhancing class separation through manifold learning. Pattern Recognition, 2015, 48, 3357-3370.	5.1	13
155	Discriminative sparse representation for face recognition. Multimedia Tools and Applications, 2016, 75, 3973-3992.	2.6	13
156	Deep supervised hashing using symmetric relative entropy. Pattern Recognition Letters, 2019, 125, 677-683.	2.6	13
157	Identifying the most informative features using a structurally interacting elastic net. Neurocomputing, 2019, 336, 13-26.	3.5	13
158	Charm Photoproduction Cross Section at 20 GeV. Physical Review Letters, 1983, 51, 156-159.	2.9	12
159	Estimating the 3D orientation of texture planes using local spectral analysis. Image and Vision Computing, 2000, 18, 619-631.	2.7	12
160	Learning mixtures of point distribution models with the EM algorithm. Pattern Recognition, 2003, 36, 2805-2818.	5.1	12
161	Levenshtein distance for graph spectral features. , 2004, , .		12
162	Combinatorial Surface Integration. , 2006, , .		12

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163	Shape-From-Shading Using the Heat Equation. IEEE Transactions on Image Processing, 2007, 16, 7-21.	6.0	12
164	Detection of Edges in Color Images: A Review and Evaluative Comparison of State-of-the-Art Techniques. Lecture Notes in Computer Science, 2012, , 250-259.	1.0	12
165	Efficient computation of Ihara coefficients using the Bell polynomial recursion. Linear Algebra and Its Applications, 2012, 436, 1436-1441.	0.4	12
166	Deep depth-based representations of graphs through deep learning networks. Neurocomputing, 2019, 336, 3-12.	3.5	12
167	Matching and Embedding through Edit-Union of Trees. Lecture Notes in Computer Science, 2002, , 822-836.	1.0	12
168	A Continuous-Time Quantum Walk Kernel for Unattributed Graphs. Lecture Notes in Computer Science, 2013, , 101-110.	1.0	12
169	Consistent topographic surface labelling. Pattern Recognition, 1999, 32, 1211-1223.	5.1	11
170	Estimating facial pose using shape-from-shading. Pattern Recognition Letters, 2002, 23, 533-548.	2.6	11
171	A Simple Coupled Statistical Model for 3D Face Shape Recovery. , 2006, , .		11
172	Test of s-channel helicity conservation in inelastic ⍴0 diffraction in 20-GeV photoproduction. Physical Review D, 1985, 32, 2288-2293.	1.6	10
173	Inclusive photoproduction of strange baryons at 20 GeV. Physical Review D, 1985, 32, 2869-2882.	1.6	10
174	Quasi-isometric parameterization for texture mapping. Pattern Recognition, 2008, 41, 1732-1743.	5.1	10
175	Isotree: Tree clustering via metric embedding. Neurocomputing, 2008, 71, 2029-2036.	3.5	10
176	Rectifying Non-Euclidean Similarity Data Using Ricci Flow Embedding. , 2010, , .		10
177	Spherical embeddings for non-Euclidean dissimilarities. , 2010, , .		10
178	Spectral bounding: Strictly satisfying the 1-Lipschitz property for generative adversarial networks. Pattern Recognition, 2020, 105, 107179.	5.1	10
179	Entropic Dynamic Time Warping Kernels for Co-Evolving Financial Time Series Analysis. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 1808-1822.	7.2	10
180	Graph-Based Methods for Vision: A Yorkist Manifesto. Lecture Notes in Computer Science, 2002, , 31-46.	1.0	10

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181	Facial Gender Classification Using Shape from Shading and Weighted Principal Geodesic Analysis. Lecture Notes in Computer Science, 2008, , 925-934.	1.0	10
182	Probabilistic Fiber Tracking Using Particle Filtering. , 2007, 10, 144-152.		10
183	A Quantum Jensen-Shannon Graph Kernel Using the Continuous-Time Quantum Walk. Lecture Notes in Computer Science, 2013, , 121-131.	1.0	10
184	Contextual decision rule for region analysis. Image and Vision Computing, 1987, 5, 145-153.	2.7	9
185	A mixture model for pose clustering. Pattern Recognition Letters, 1999, 20, 1093-1101.	2.6	9
186	An expectation–maximisation framework for segmentation and grouping. Image and Vision Computing, 2002, 20, 725-738.	2.7	9
187	A study of pattern recovery in recurrent correlation associative memories. IEEE Transactions on Neural Networks, 2003, 14, 506-519.	4.8	9
188	Computer Analysis of Images and Patterns. Lecture Notes in Computer Science, 2013, , .	1.0	9
189	Eigenfunctions of the edge-based Laplacian on a graph. Linear Algebra and Its Applications, 2013, 438, 4183-4189.	0.4	9
190	A Hypergraph Kernel from Isomorphism Tests. , 2014, , .		9
191	Concentric network symmetry. Information Sciences, 2016, 333, 61-80.	4.0	9
192	Polar Transformation on Image Features for Orientation-Invariant Representations. IEEE Transactions on Multimedia, 2019, 21, 300-313.	5.2	9
193	Single image super resolution via neighbor reconstruction. Pattern Recognition Letters, 2019, 125, 157-165.	2.6	9
194	Learning Graph Convolutional Networks based on Quantum Vertex Information Propagation. IEEE Transactions on Knowledge and Data Engineering, 2021, , 1-1.	4.0	9
195	Multimodal fusion for indoor sound source localization. Pattern Recognition, 2021, 115, 107906.	5.1	9
196	A Skeletal Measure of 2D Shape Similarity. Lecture Notes in Computer Science, 2001, , 260-271.	1.0	9
197	A New Framework for Grayscale and Colour Non-lambertian Shape-from-Shading. , 2007, , 869-880.		9
198	Entropy and Heterogeneity Measures for Directed Graphs. Lecture Notes in Computer Science, 2013, , 219-234.	1.0	9

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199	Feature tracking by multi-frame relaxation. Image and Vision Computing, 1995, 13, 637-644.	2.7	8
200	Recognising building patterns using matched filters and genetic search. ISPRS Journal of Photogrammetry and Remote Sensing, 1998, 53, 95-107.	4.9	8
201	Surface topography using shape-from-shading. Pattern Recognition, 2001, 34, 823-840.	5.1	8
202	EIGENSPACES FOR GRAPHS. International Journal of Image and Graphics, 2002, 02, 247-268.	1.2	8
203	Birkhoff polytopes, heat kernels and graph complexity. , 2008, , .		8
204	Learning Large Scale Class Specific Hyper Graphs for Object Recognition. , 2009, , .		8
205	A Supergraph-based Generative Model. , 2010, , .		8
206	Ricci flow embedding for rectifying non-Euclidean dissimilarity data. Pattern Recognition, 2014, 47, 3709-3725.	5.1	8
207	Example-Based Modeling of Facial Texture from Deficient Data. , 2015, , .		8
208	High-order graph matching kernel for early carcinoma EUS image classification. Multimedia Tools and Applications, 2016, 75, 3993-4012.	2.6	8
209	The mutual information between graphs. Pattern Recognition Letters, 2017, 87, 12-19.	2.6	8
210	Thermodynamic Analysis of Time Evolving Networks. Entropy, 2018, 20, 759.	1.1	8
211	Early Detection of Alzheimerâ€™s Disease: Detecting Asymmetries with a Return Random Walk Link Predictor. Entropy, 2020, 22, 465.	1.1	8
212	Semi-Supervised Face Frontalization in the Wild. IEEE Transactions on Information Forensics and Security, 2021, 16, 909-922.	4.5	8
213	Thermodynamic motif analysis for directed stock market networks. Pattern Recognition, 2021, 114, 107872.	5.1	8
214	Flow Complexity: Fast Polytopal Graph Complexity and 3D Object Clustering. Lecture Notes in Computer Science, 2009, , 253-262.	1.0	8
215	Reflection Component Separation Using Statistical Analysis and Polarisation. Lecture Notes in Computer Science, 2011, , 476-483.	1.0	8
216	Approximate Axial Symmetries from Continuous Time Quantum Walks. Lecture Notes in Computer Science, 2012, , 144-152.	1.0	8

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217	Node Centrality for Continuous-Time Quantum Walks. Lecture Notes in Computer Science, 2014, , 103-112.	1.0	8
218	Spectral Embedding of Feature Hypergraphs. Lecture Notes in Computer Science, 2008, , 308-317.	1.0	8
219	Production and decay properties of the Ï‰Ï€0state at 1250 MeV/c2produced by 20-GeV polarized photons on hydrogen. Physical Review D, 1988, 37, 2379-2390.	1.6	7
220	Charge-exchange photoproduction of thea2â˜‰(1320)in association withÎ"++at 19.3 GeV/c. Physical Review D, 1990, 41, 3317-3323.	1.6	7
221	Inexact graph retrieval. , 0, , .		7
222	Biasâ€"Variance Analysis for Controlling Adaptive Surface Meshes. Computer Vision and Image Understanding, 2000, 77, 25-47.	3.0	7
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