Michael Ng

List of Publications by Year
in descending order

525 papers	18,646 citations	15503 65 h-index	19747 117 g-index
538 all docs	538 docs citations	538 times ranked	10261 citing authors

#	Article	IF	Citations
1	Hermitian and Skew-Hermitian Splitting Methods for Non-Hermitian Positive Definite Linear Systems. SIAM Journal on Matrix Analysis and Applications, 2003, 24, 603-626.	1.4	832
2	Conjugate Gradient Methods for Toeplitz Systems. SIAM Review, 1996, 38, 427-482.	8.4	692
3	Automated variable weighting in k-means type clustering. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2005, 27, 657-668.	13.9	624
4	An Entropy Weighting k-Means Algorithm for Subspace Clustering of High-Dimensional Sparse Data. IEEE Transactions on Knowledge and Data Engineering, 2007, 19, 1026-1041.	5.7	489
5	Control of Boolean networks: Hardness results and algorithms for tree structured networks. Journal of Theoretical Biology, 2007, 244, 670-679.	1.7	470
6	A fuzzy k-modes algorithm for clustering categorical data. IEEE Transactions on Fuzzy Systems, 1999, 7, 446-452.	9.8	365
7	A Fast Algorithm for Deblurring Models with Neumann Boundary Conditions. SIAM Journal of Scientific Computing, 1999, 21, 851-866.	2.8	355
8	Analysis of Half-Quadratic Minimization Methods for Signal and Image Recovery. SIAM Journal of Scientific Computing, 2005, 27, 937-966.	2.8	341
9	A New Total Variation Method for Multiplicative Noise Removal. SIAM Journal on Imaging Sciences, 2009, 2, 20-40.	2.2	261
10	In-hospital cardiac arrest outcomes among patients with COVID-19 pneumonia in Wuhan, China. Resuscitation, 2020, 151, 18-23.	3.0	246
11	Finding the Largest Eigenvalue of a Nonnegative Tensor. SIAM Journal on Matrix Analysis and Applications, 2010, 31, 1090-1099.	1.4	239
12	Fast Nonconvex Nonsmooth Minimization Methods for Image Restoration and Reconstruction. IEEE Transactions on Image Processing, 2010, 19, 3073-3088.	9.8	219
13	Agglomerative Fuzzy K-Means Clustering Algorithm with Selection of Number of Clusters. IEEE Transactions on Knowledge and Data Engineering, 2008, 20, 1519-1534.	5.7	217
14	Wavelet based methods on patterned fabric defect detection. Pattern Recognition, 2005, 38, 559-576.	8.1	207
15	Solving Constrained Total-variation Image Restoration and Reconstruction Problems via Alternating Direction Methods. SIAM Journal of Scientific Computing, 2010, 32, 2710-2736.	2.8	206
16	A Total Variation Model for Retinex. SIAM Journal on Imaging Sciences, 2011, 4, 345-365.	2.2	202
17	An optimization algorithm for clustering using weighted dissimilarity measures. Pattern Recognition, 2004, 37, 943-952.	8.1	199
18	A Fast Total Variation Minimization Method for Image Restoration. Multiscale Modeling and Simulation, 2008, 7, 774-795.	1.6	188

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19	On the Impact of Dissimilarity Measure in k-Modes Clustering Algorithm. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2007, 29, 503-507.	13.9	172
20	Graph Spectral Image Processing. Proceedings of the IEEE, 2018, 106, 907-930.	21.3	166
21	Restoration of images corrupted by mixed Gaussian-impulse noise via l1â€"l0 minimization. Pattern Recognition, 2011, 44, 1708-1720.	8.1	161
22	A Total Variation Regularization Based Super-Resolution Reconstruction Algorithm for Digital Video. Eurasip Journal on Advances in Signal Processing, 2007, 2007, .	1.7	160
23	On inexact hermitian and skew-Hermitian splitting methods for non-Hermitian positive definite linear systems. Linear Algebra and Its Applications, 2008, 428, 413-440.	0.9	158
24	Efficient Reconstruction of Piecewise Constant Images Using Nonsmooth Nonconvex Minimization. SIAM Journal on Imaging Sciences, 2008, 1, 2-25.	2.2	155
25	Efficient Minimization Methods of Mixed l2-l1 and l1-l1 Norms for Image Restoration. SIAM Journal of Scientific Computing, 2006, 27, 1881-1902.	2.8	152
26	On successive-overrelaxation acceleration of the Hermitian and skew-Hermitian splitting iterations. Numerical Linear Algebra With Applications, 2007, 14, 319-335.	1.6	149
27	Reducing Artifacts in JPEG Decompression Via a Learned Dictionary. IEEE Transactions on Signal Processing, 2014, 62, 718-728.	5.3	146
28	Deblurring and Sparse Unmixing for Hyperspectral Images. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 4045-4058.	6.3	142
29	Constraint Preconditioners for Symmetric Indefinite Matrices. SIAM Journal on Matrix Analysis and Applications, 2009, 31, 410-433.	1.4	140
30	Mathematical analysis of super-resolution methodology. IEEE Signal Processing Magazine, 2003, 20, 62-74.	5.6	137
31	New preconditioners for saddle point problems. Applied Mathematics and Computation, 2006, 172, 762-771.	2.2	130
32	Stratified sampling for feature subspace selection in random forests for high dimensional data. Pattern Recognition, 2013, 46, 769-787.	8.1	127
33	Transductive Multilabel Learning via Label Set Propagation. IEEE Transactions on Knowledge and Data Engineering, 2013, 25, 704-719.	5.7	124
34	On the limiting probability distribution of a transition probability tensor. Linear and Multilinear Algebra, 2014, 62, 362-385.	1.0	123
35	HARP: a practical projected clustering algorithm. IEEE Transactions on Knowledge and Data Engineering, 2004, 16, 1387-1397.	5.7	121
36	A New Convex Optimization Model for Multiplicative Noise and Blur Removal. SIAM Journal on Imaging Sciences, 2014, 7, 456-475.	2.2	119

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37	Preconditioning Techniques for Diagonal-times-Toeplitz Matrices in Fractional Diffusion Equations. SIAM Journal of Scientific Computing, 2014, 36, A2698-A2719.	2.8	115
38	ForesTexter: An efficient random forest algorithm for imbalanced text categorization. Knowledge-Based Systems, 2014, 67, 105-116.	7.1	112
39	A Multiphase Image Segmentation Method Based on Fuzzy Region Competition. SIAM Journal on Imaging Sciences, 2010, 3, 277-299.	2.2	100
40	On Inexact Preconditioners for Nonsymmetric Matrices. SIAM Journal of Scientific Computing, 2005, 26, 1710-1724.	2.8	97
41	Sparse Canonical Correlation Analysis: New Formulation and Algorithm. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2013, 35, 3050-3065.	13.9	92
42	Non-Lipschitz ℓ_{p}-Regularization and Box Constrained Model for Image Restoration. IEEE Transactions on Image Processing, 2012, 21, 4709-4721.	9.8	91
43	Molecular subtyping of cancer: current status and moving toward clinical applications. Briefings in Bioinformatics, 2019, 20, 572-584.	6.5	91
44	Robust tensor completion using transformed tensor singular value decomposition. Numerical Linear Algebra With Applications, 2020, 27, e2299.	1.6	86
45	Framelet Representation of Tensor Nuclear Norm for Third-Order Tensor Completion. IEEE Transactions on Image Processing, 2020, 29, 7233-7244.	9.8	84
46	A Relaxed Dimensional Factorization preconditioner for the incompressible Navierâ€"Stokes equations. Journal of Computational Physics, 2011, 230, 6185-6202.	3.8	83
47	Clustering categorical data sets using tabu search techniques. Pattern Recognition, 2002, 35, 2783-2790.	8.1	82
48	3D Point Cloud Denoising Using Graph Laplacian Regularization of a Low Dimensional Manifold Model. IEEE Transactions on Image Processing, 2020, 29, 3474-3489.	9.8	82
49	Super-Resolution Reconstruction Algorithm To MODIS Remote Sensing Images. Computer Journal, 2008, 52, 90-100.	2.4	81
50	MR-NTD: Manifold Regularization Nonnegative Tucker Decomposition for Tensor Data Dimension Reduction and Representation. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 1787-1800.	11.3	81
51	Knowledge-based vector space model for text clustering. Knowledge and Information Systems, 2010, 25, 35-55.	3.2	78
52	CLUSTAG: hierarchical clustering and graph methods for selecting tag SNPs. Bioinformatics, 2005, 21, 1735-1736.	4.1	77
53	Patterned Fabric Inspection and Visualization by the Method of Image Decomposition. IEEE Transactions on Automation Science and Engineering, 2014, 11, 943-947.	5.2	76
54	An approximation method for solving the steady-state probability distribution of probabilistic Boolean networks. Bioinformatics, 2007, 23, 1511-1518.	4.1	75

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55	On Semismooth Newton's Methods for Total Variation Minimization. Journal of Mathematical Imaging and Vision, 2007, 27, 265-276.	1.3	75
56	Coupled Variational Image Decomposition and Restoration Model for Blurred Cartoon-Plus-Texture Images With Missing Pixels. IEEE Transactions on Image Processing, 2013, 22, 2233-2246.	9.8	75
57	Tensorizing GAN With High-Order Pooling for Alzheimer's Disease Assessment. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 4945-4959.	11.3	75
58	Selection of regularization parameter in total variation image restoration. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2009, 26, 2311.	1.5	74
59	ML-FOREST: A Multi-Label Tree Ensemble Method for Multi-Label Classification. IEEE Transactions on Knowledge and Data Engineering, 2016, 28, 2665-2680.	5.7	74
60	Multiplicative Noise Removal via a Learned Dictionary. IEEE Transactions on Image Processing, 2012, 21, 4534-4543.	9.8	73
61	Higher-order multivariate Markov chains and their applications. Linear Algebra and Its Applications, 2008, 428, 492-507.	0.9	72
62	Efficient Total Variation Minimization Methods for Color Image Restoration. IEEE Transactions on Image Processing, 2008, 17, 2081-2088.	9.8	72
63	Blind Deconvolution Using Generalized Cross-Validation Approach to Regularization Parameter Estimation. IEEE Transactions on Image Processing, 2011, 20, 670-680.	9.8	72
64	Total Variation Structured Total Least Squares Method for Image Restoration. SIAM Journal of Scientific Computing, 2013, 35, B1304-B1320.	2.8	70
65	Solving sparse non-negative tensor equations: algorithms and applications. Frontiers of Mathematics in China, 2015, 10, 649-680.	0.7	68
66	Iterative Algorithms Based on Decoupling of Deblurring and Denoising for Image Restoration. SIAM Journal of Scientific Computing, 2008, 30, 2655-2674.	2.8	67
67	Inexact Alternating Direction Methods for Image Recovery. SIAM Journal of Scientific Computing, 2011, 33, 1643-1668.	2.8	67
68	A fast direct method for block triangular Toeplitz-like with tri-diagonal block systems from time-fractional partial differential equations. Journal of Computational Physics, 2015, 303, 203-211.	3.8	67
69	Deep plug-and-play prior for low-rank tensor completion. Neurocomputing, 2020, 400, 137-149.	5.9	67
70	Higher-order Markov chain models for categorical data sequences. Naval Research Logistics, 2004, 51, 557-574.	2.2	66
71	Hyperspectral Image Denoising Based on Global and Nonlocal Low-Rank Factorizations. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 10438-10454.	6.3	66
72	Preconditioned Iterative Methods for Weighted Toeplitz Least Squares Problems. SIAM Journal on Matrix Analysis and Applications, 2006, 27, 1106-1124.	1.4	65

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73	Constrained total least-squares computations for high-resolution image reconstruction with multisensors. International Journal of Imaging Systems and Technology, 2002, 12, 35-42.	4.1	64
74	Robust quaternion matrix completion with applications to image inpainting. Numerical Linear Algebra With Applications, 2019, 26, e2245.	1.6	64
75	Hyperspectral Mixed Noise Removal By ℓ_1-Norm-Based Subspace Representation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 1143-1157.	4.9	63
76	The use of super-resolution techniques to reduce slice thickness in functional MRI. International Journal of Imaging Systems and Technology, 2004, 14, 131-138.	4.1	62
77	A Fast ℓ1-TV Algorithm for Image Restoration. SIAM Journal of Scientific Computing, 2009, 31, 2322-2341.	2.8	62
78	Fast Image Restoration Methods for Impulse and Gaussian Noises Removal. IEEE Signal Processing Letters, 2009, 16, 457-460.	3.6	61
79	MultiComm: Finding Community Structure in Multi-Dimensional Networks. IEEE Transactions on Knowledge and Data Engineering, 2014, 26, 929-941.	5.7	60
80	Subspace Clustering of Text Documents with Feature Weighting K-Means Algorithm. Lecture Notes in Computer Science, 2005, , 802-812.	1.3	59
81	Weighted variational model for selective image segmentation with application to medical images. Pattern Recognition, 2018, 76, 367-379.	8.1	59
82	Algorithms for Finding Small Attractors in Boolean Networks. Eurasip Journal on Bioinformatics and Systems Biology, 2007, 2007, 1-13.	1.4	58
83	Multiplicative Noise Removal with Spatially Varying Regularization Parameters. SIAM Journal on Imaging Sciences, 2010, 3, 1-20.	2.2	58
84	A note on constrained k-means algorithms. Pattern Recognition, 2000, 33, 515-519.	8.1	55
85	A Note on K-modes Clustering. Journal of Classification, 2003, 20, 257-261.	2.2	55
86	Learning Transferred Weights From Co-Occurrence Data for Heterogeneous Transfer Learning. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 2187-2200.	11.3	54
87	Tensor-Based Low-Dimensional Representation Learning for Multi-View Clustering. IEEE Transactions on Image Processing, 2019, 28, 2399-2414.	9.8	52
88	Superresolution image reconstruction using fast inpainting algorithms. Applied and Computational Harmonic Analysis, 2007, 23, 3-24.	2.2	51
89	SNP Selection and Classification of Genome-Wide SNP Data Using Stratified Sampling Random Forests. IEEE Transactions on Nanobioscience, 2012, 11, 216-227.	3.3	51
90	An eigenvalue problem for even order tensors with its applications. Linear and Multilinear Algebra, 2016, 64, 602-621.	1.0	51

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91	Computing Moore-Penrose inverses of Toeplitz matrices by Newton's iteration. Mathematical and Computer Modelling, 2004, 40, 181-191.	2.0	50
92	ON CONSTRUCTION OF STOCHASTIC GENETIC NETWORKS BASED ON GENE EXPRESSION SEQUENCES. International Journal of Neural Systems, 2005, 15, 297-310.	5.2	49
93	A Comparative Study of Ontology Based Term Similarity Measures on PubMed Document Clustering. , 2007, , 115-126.		48
94	Cosine transform preconditioners for high resolution image reconstruction. Linear Algebra and Its Applications, 2000, 316, 89-104.	0.9	47
95	SNMFCA: Supervised NMF-Based Image Classification and Annotation. IEEE Transactions on Image Processing, 2012, 21, 4508-4521.	9.8	47
96	Morphological Feature Visualization of Alzheimer's Disease via Multidirectional Perception GAN. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 4401-4415.	11.3	47
97	Regression for ordinal variables without underlying continuous variables. Information Sciences, 2006, 176, 465-474.	6.9	46
98	Color Image Restoration by Saturation-Value Total Variation. SIAM Journal on Imaging Sciences, 2019, 12, 972-1000.	2.2	46
99	Preconditioners for nonsymmetric block toeplitz-like-plus-diagonal linear systems. Numerische Mathematik, 2003, 96, 197-220.	1.9	45
100	Circulant and skew-circulant splitting methods for Toeplitz systems. Journal of Computational and Applied Mathematics, 2003, 159, 101-108.	2.0	45
101	HAR: Hub, Authority and Relevance Scores in Multi-Relational Data for Query Search. , 2012, , .		45
102	Subspace clustering using affinity propagation. Pattern Recognition, 2015, 48, 1455-1464.	8.1	45
103	Nonconvex-TV Based Image Restoration with Impulse Noise Removal. SIAM Journal on Imaging Sciences, 2017, 10, 1627-1667.	2.2	45
104	A Splitting Preconditioner for Toeplitz-Like Linear Systems Arising from Fractional Diffusion Equations. SIAM Journal on Matrix Analysis and Applications, 2017, 38, 1580-1614.	1.4	45
105	Lanczos method for large-scale quaternion singular value decomposition. Numerical Algorithms, 2019, 82, 699-717.	1.9	45
106	Development and validation of prognosis model of mortality risk in patients with COVID-19. Epidemiology and Infection, 2020, 148, e168.	2.1	45
107	Coupled segmentation and denoising/deblurring models for hyperspectral material identification. Numerical Linear Algebra With Applications, 2012, 19, 153-173.	1.6	44
108	Robust and Non-Negative Collective Matrix Factorization for Text-to-Image Transfer Learning. IEEE Transactions on Image Processing, 2015, 24, 4701-4714.	9.8	44

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109	Geometric Knowledge Embedding for unsupervised domain adaptation. Knowledge-Based Systems, 2020, 191, 105155.	7.1	44
110	A Fast MAP Algorithm for High-Resolution Image Reconstruction with Multisensors. Multidimensional Systems and Signal Processing, 2001, 12, 143-164.	2.6	43
111	Simulation study in Probabilistic Boolean Network models for genetic regulatory networks. International Journal of Data Mining and Bioinformatics, 2007, 1, 217.	0.1	43
112	On ell_1 Data Fitting and Concave Regularization for Image Recovery. SIAM Journal of Scientific Computing, 2013, 35, A397-A430.	2.8	42
113	Phase Retrieval from Incomplete Magnitude Information via Total Variation Regularization. SIAM Journal of Scientific Computing, 2016, 38, A3672-A3695.	2.8	42
114	Tensor Completion via Complementary Global, Local, and Nonlocal Priors. IEEE Transactions on Image Processing, 2022, 31, 984-999.	9.8	42
115	Sine transform based preconditioners for symmetric Toeplitz systems. Linear Algebra and Its Applications, 1996, 232, 237-259.	0.9	41
116	Galerkin Projection Methods for Solving Multiple Linear Systems. SIAM Journal of Scientific Computing, 1999, 21, 836-850.	2.8	41
117	Customer lifetime value: stochastic optimization approach. Journal of the Operational Research Society, 2004, 55, 860-868.	3.4	41
118	Kronecker Product Approximations forImage Restoration with Reflexive Boundary Conditions. SIAM Journal on Matrix Analysis and Applications, 2003, 25, 829-841.	1.4	40
119	On Preconditioned Iterative Methods for Burgers Equations. SIAM Journal of Scientific Computing, 2007, 29, 415-439.	2.8	39
120	Non-Local Robust Quaternion Matrix Completion for Large-Scale Color Image and Video Inpainting. IEEE Transactions on Image Processing, 2022, 31, 3868-3883.	9.8	39
121	On Discovery of Extremely Low-Dimensional Clusters Using Semi-Supervised Projected Clustering. , 0, , .		38
122	Approximate Inverse Circulant-plus-Diagonal Preconditioners for Toeplitz-plus-Diagonal Matrices. SIAM Journal of Scientific Computing, 2010, 32, 1442-1464.	2.8	37
123	FastHyMix: Fast and Parameter-Free Hyperspectral Image Mixed Noise Removal. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 4702-4716.	11.3	37
124	Analysis of displacement errors in high-resolution image reconstruction with multisensors. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2002, 49, 806-813.	0.1	36
125	On a multivariate Markov chain model for credit risk measurement. Quantitative Finance, 2005, 5, 543-556.	1.7	36
126	Strang-type preconditioners for systems of LMF-based ODE codes. IMA Journal of Numerical Analysis, 2001, 21, 451-462.	2.9	35

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127	Subspace clustering with automatic feature grouping. Pattern Recognition, 2015, 48, 3703-3713.	8.1	35
128	Alternating Direction Method of Multipliers for Nonlinear Image Restoration Problems. IEEE Transactions on Image Processing, 2015, 24, 33-43.	9.8	35
129	A multigrid method for linear systems arising from time-dependent two-dimensional space-fractional diffusion equations. Journal of Computational Physics, 2017, 336, 69-86.	3.8	35
130	Fast Algorithms for the Generalized Foleyâ€"Sammon Discriminant Analysis. SIAM Journal on Matrix Analysis and Applications, 2010, 31, 1584-1605.	1.4	34
131	Feature weight estimation for gene selection: a local hyperlinear learning approach. BMC Bioinformatics, 2014, 15, 70.	2.6	34
132	Some bounds for the spectral radius of nonnegative tensors. Numerische Mathematik, 2015, 130, 315-335.	1.9	34
133	Fast Iterative Solvers for Linear Systems Arising from Time-Dependent Space-Fractional Diffusion Equations. SIAM Journal of Scientific Computing, 2016, 38, A2806-A2826.	2.8	34
134	Joint Inversion of Audio-Magnetotelluric and Seismic Travel Time Data With Deep Learning Constraint. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 7982-7995.	6.3	34
135	A Corrected Tensor Nuclear Norm Minimization Method for Noisy Low-Rank Tensor Completion. SIAM Journal on Imaging Sciences, 2019, 12, 1231-1273.	2.2	33
136	Regularization of RIF blind image deconvolution. IEEE Transactions on Image Processing, 2000, 9, 1130-1134.	9.8	32
137	A Data Cube Model for Prediction-Based Web Prefetching. Journal of Intelligent Information Systems, 2003, 20, 11-30.	3.9	32
138	Minimax current density coil design. Journal Physics D: Applied Physics, 2010, 43, 095001.	2.8	32
139	Multi-Dimensional Visual Data Completion via Low-Rank Tensor Representation Under Coupled Transform. IEEE Transactions on Image Processing, 2021, 30, 3581-3596.	9.8	32
140	Learning Discriminative Correlation Subspace for Heterogeneous Domain Adaptation. , 2017, , .		32
141	A divide-and-conquer fast finite difference method for spaceâ€"time fractional partial differential equation. Computers and Mathematics With Applications, 2017, 73, 1233-1242.	2.7	31
142	Hyperspectral image denoising with bilinear low rank matrix factorization. Signal Processing, 2019, 163, 132-152.	3.7	31
143	Robust Unsupervised Cross-modal Hashing for Multimedia Retrieval. ACM Transactions on Information Systems, 2020, 38, 1-25.	4.9	31
144	Robust Low-Tubal-Rank Tensor Completion via Convex Optimization. , 2019, , .		31

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145	Retinex image enhancement via a learned dictionary. Optical Engineering, 2015, 54, 013107.	1.0	30
146	Variational Fuzzy Mumford–Shah Model for Image Segmentation. SIAM Journal on Applied Mathematics, 2010, 70, 2750-2770.	1.8	29
147	A Variational Method for Multiple-Image Blending. IEEE Transactions on Image Processing, 2012, 21, 1809-1822.	9.8	29
148	Fast preconditioned iterative methods for finite volume discretization of steady-state space-fractional diffusion equations. Numerical Algorithms, 2017, 74, 153-173.	1.9	29
149	Alternating Minimization Method for Total Variation Based Wavelet Shrinkage Model. Communications in Computational Physics, 2010, 8, 976-994.	1.7	29
150	A new approach to constrained total least squares image restoration. Linear Algebra and Its Applications, 2000, 316, 237-258.	0.9	28
151	Super-resolution reconstruction in a computational compound-eye imaging system. Multidimensional Systems and Signal Processing, 2007, 18, 83-101.	2.6	28
152	Drug–target interaction prediction by integrating multiview network data. Computational Biology and Chemistry, 2017, 69, 185-193.	2.3	28
153	Social Recommendation With Learning Personal and Social Latent Factors. IEEE Transactions on Knowledge and Data Engineering, 2021, 33, 2956-2970.	5.7	28
154	Structure Preserving Quaternion Generalized Minimal Residual Method. SIAM Journal on Matrix Analysis and Applications, 2021, 42, 616-634.	1.4	28
155	Self-Supervised Nonlinear Transform-Based Tensor Nuclear Norm for Multi-Dimensional Image Recovery. IEEE Transactions on Image Processing, 2022, 31, 3793-3808.	9.8	28
156	Combining functional and linkage disequilibrium information in the selection of tag SNPs. Bioinformatics, 2007, 23, 129-131.	4.1	27
157	Sentiment Lexicon Construction With Hierarchical Supervision Topic Model. IEEE/ACM Transactions on Audio Speech and Language Processing, 2019, 27, 704-718.	5.8	27
158	Clinical Manifestation and Neonatal Outcomes of Pregnant Patients With Coronavirus Disease 2019 Pneumonia in Wuhan, China. Open Forum Infectious Diseases, 2020, 7, ofaa283.	0.9	27
159	**$\ell_1 - \alpha\ell_2$** minimization methods for signal and image reconstruction with impulsive noise removal. Inverse Problems, 2020, 36, 055009.	2.0	27
160	The Best Circulant Preconditioners for Hermitian Toeplitz Systems. SIAM Journal on Numerical Analysis, 2000, 38, 876-896.	2.3	26
161	A higher-order Markov model for the Newsboy's problem. Journal of the Operational Research Society, 2003, 54, 291-298.	3.4	26
162	Functional Module Analysis for Gene Coexpression Networks with Network Integration. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2015, 12, 1146-1160.	3.0	26

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163	Robust low-rank tensor completion via transformed tensor nuclear norm with total variation regularization. Neurocomputing, 2021, 435, 197-215.	5.9	26
164	Band preconditioners for block-Toeplitz-Toeplitz-block systems. Linear Algebra and Its Applications, 1997, 259, 307-327.	0.9	25
165	On inversion of Toeplitz matrices. Linear Algebra and Its Applications, 2002, 348, 145-151.	0.9	25
166	A high-order Markov-switching model for risk measurement. Computers and Mathematics With Applications, 2009, 58, 1-10.	2.7	25
167	Markov-Miml: A Markov chain-based multi-instance multi-label learning algorithm. Knowledge and Information Systems, 2013, 37, 83-104.	3.2	25
168	Birkhoff--von Neumann Theorem for Multistochastic Tensors. SIAM Journal on Matrix Analysis and Applications, 2014, 35, 956-973.	1.4	25
169	Multi-Label Classification by Semi-Supervised Singular Value Decomposition. IEEE Transactions on Image Processing, 2017, 26, 4612-4625.	9.8	25
170	Nonlocal robust tensor recovery with nonconvex regularization *. Inverse Problems, 2021, 37, 035001.	2.0	25
171	Kernel Density Estimation Based Multiphase Fuzzy Region Competition Method for Texture Image Segmentation. Communications in Computational Physics, 2010, 8, 623-641.	1.7	25
172	Efficient Box-Constrained TV-Type-l^{1} Algorithms for Restoring Images with Impulse Noise. Journal of Computational Mathematics, 2013, 31, 249-270.	0.4	24
173	The Convex Relaxation Method on Deconvolution Model withMultiplicative Noise. Communications in Computational Physics, 2013, 13, 1066-1092.	1.7	24
174	Multiplicative Noise and Blur Removal by Framelet Decomposition and <inline-formula> <tex-math notation="LaTeX">l_{1} </tex-math> </inline-formula>-Based L-Curve Method. IEEE Transactions on Image Processing, 2016, 25, 4222-4232.	9.8	24
175	Online Heterogeneous Transfer by Hedge Ensemble of Offline and Online Decisions. IEEE Transactions on Neural Networks and Learning Systems, 2017, 29, 1-12.	11.3	24
176	A Control Model for Markovian Genetic Regulatory Networks. Lecture Notes in Computer Science, 2006, , 36-48.	1.3	24
177	On Preconditioned Iterative Methods for Certain Time-Dependent Partial Differential Equations. SIAM Journal on Numerical Analysis, 2009, 47, 1019-1037.	2.3	23
178	Weighted Toeplitz Regularized Least Squares Computation for Image Restoration. SIAM Journal of Scientific Computing, 2014, 36, B94-B121.	2.8	23
179	Hypergraph Convolution on Nodes-Hyperedges Network for Semi-Supervised Node Classification. ACM Transactions on Knowledge Discovery From Data, 2022, 16, 1-19.	3.5	23
180	Block $\{Ï‰\}$-circulant preconditionersÂ¶for the systems of differential equations. Calcolo, 2003, 40, 71-90.	1.1	22

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181	Zoom-based super-resolution reconstruction approach using prior total variation. Optical Engineering, 2007, 46, 127003.	1.0	22
182	On the Total Variation Dictionary Model. IEEE Transactions on Image Processing, 2010, 19, 821-825.	9.8	22
183	Dictionary Learning-Based Subspace Structure Identification in Spectral Clustering. IEEE Transactions on Neural Networks and Learning Systems, 2013, 24, 1188-1199.	11.3	22
184	The perturbation bound for the Perron vector of a transition probability tensor. Numerical Linear Algebra With Applications, 2013, 20, 985-1000.	1.6	22
185	The uniqueness of multilinear PageRank vectors. Numerical Linear Algebra With Applications, 2017, 24, e2107.	1.6	22
186	Patched-tube unitary transform for robust tensor completion. Pattern Recognition, 2020, 100, 107181.	8.1	22
187	Multiscale Feature Tensor Train Rank Minimization for Multidimensional Image Recovery. IEEE Transactions on Cybernetics, 2022, 52, 13395-13410.	9.5	22
188	Fast inversion of triangular Toeplitz matrices. Theoretical Computer Science, 2004, 315, 511-523.	0.9	21
189	On cluster tree for nested and multi-density data clustering. Pattern Recognition, 2010, 43, 3130-3143.	8.1	21
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