Solving a low-rank factorization model for matrix completion by a nonlinear successive over-relaxation algorithm

Citation Report

#	ARTICLE	IF	CITATIONS
1	Compressive hyperspectral acquisition and endmember unmixing. , 2011, , .		5
2	Decentralized low-rank matrix completion. , 2012, , .		32
3	Linearized augmented Lagrangian and alternating direction methods for nuclear norm minimization. Mathematics of Computation, 2012, 82, 301-329.	1.1	288
4	PETRELS: Subspace estimation and tracking from partial observations. , 2012, , .		25
5	An efficient video denoising method using decomposition approach for low-rank matrix completion. , 2012, , .		6
6	Random access sensor networks: Field reconstruction from incomplete data. , 2012, , .		20
7	Batch Mode Active Learning for Multimedia Pattern Recognition. , 2012, , .		1
8	Optimization in learning and data analysis. , 2013, , .		0
9	Three-dimensional irregular seismic data reconstruction via low-rank matrix completion. Geophysics, 2013, 78, V181-V192.	1.4	146
10	Low-rank modeling and its applications in medical image analysis. Proceedings of SPIE, 2013, , .	0.8	9
11	An efficient matrix bi-factorization alternative optimization method for low-rank matrix recovery and completion. Neural Networks, 2013, 48, 8-18.	3.3	33
12	PETRELS: Parallel Subspace Estimation and Tracking by Recursive Least Squares From Partial Observations. IEEE Transactions on Signal Processing, 2013, 61, 5947-5959.	3.2	102
13	Low-Rank Optimization with Trace Norm Penalty. SIAM Journal on Optimization, 2013, 23, 2124-2149.	1.2	124
14	An Efficient Matrix Factorization Method for Tensor Completion. IEEE Signal Processing Letters, 2013, 20, 307-310.	2.1	43
15	Low rank recovery based image interpolation using local and nonlocal modeling. , 2013, , .		0
16	A Simple Decomposition Alternating Direction Method for Matrix Completion. Procedia Computer Science, 2013, 17, 149-157.	1.2	1
17	L1/2 Regularization Based Low-Rank Image Segmentation Model. , 2013, , .		2
18	Mixture noise removal in ultrasound images using SCoBeP and low-rank matrix completion. , 2013, 2013, 109-12.		3

#	ARTICLE	IF	CITATIONS
19	Group sparse optimization by alternating direction method. Proceedings of SPIE, 2013, , .	0.8	77
20	Low-Rank Matrix Completion by Riemannian Optimization. SIAM Journal on Optimization, 2013, 23, 1214-1236.	1.2	274
21	Improved Iteratively Reweighted Least Squares for Unconstrained Smoothed ℓ_q Minimization. SIAM Journal on Numerical Analysis, 2013, 51, 927-957.	1.1	298
22	Normalized Iterative Hard Thresholding for Matrix Completion. SIAM Journal of Scientific Computing, 2013, 35, S104-S125.	1.3	88
23	Structured Low-Rank Approximation with Missing Data. SIAM Journal on Matrix Analysis and Applications, 2013, 34, 814-830.	0.7	53
24	Multiple-object shape and motion reconstruction with missing radar data. Proceedings of SPIE, 2013, , .	0.8	1
25	Uncertainty evaluation for a three dimensional rotary measuring system by Markov chain Monte Carlo method. Proceedings of SPIE, 2013, , .	0.8	0
26	Recovering Low-Rank and Sparse Matrices via Robust Bilateral Factorization. , 2014, , .		6
27	A Greedy Multistage Convex Relaxation Algorithm Applied to Structured Group Sparse Reconstruction Problems Based on Iterative Support Detection. Mathematical Problems in Engineering, 2014, 2014, 1-23.	0.6	1
28	Online completion of Ill-conditioned low-rank matrices. , 2014, , .		7
29	Factorized Similarity Learning in Networks. , 2014, , .		43
30	DensityTransfer: A Data Driven Approach for Imputing Electronic Health Records. , 2014, , .		7
31	Robust Principal Component Analysis with Missing Data. , 2014, , .		44
32	Collaborative Recommendation of Photo-Taking Geolocations. , 2014, , .		5
33	From micro to macro. , 2014, , .		84
34	Metric learning with rank and sparsity constraints. , 2014, , .		6
35	Generalized Nonconvex Nonsmooth Low-Rank Minimization. , 2014, , .		154
36	Data Driven Based Method for Field Information Sensing. Mathematical Problems in Engineering, 2014, 2014, 1-17.	0.6	7

#	ARTICLE	IF	CITATIONS
37	Fixed-rank matrix factorizations and Riemannian low-rank optimization. Computational Statistics, 2014, 29, 591-621.	0.8	63
38	A reweighted nuclear norm minimization algorithm for low rank matrix recovery. Journal of Computational and Applied Mathematics, 2014, 263, 338-350.	1.1	28
39	Robust recovery of low-rank matrices via non-convex optimization. , 2014, , .		5
40	Reconstruction of missing features based on a low-rank assumption for robust speaker identification. , 2014, , .		2
41	Bilinear Generalized Approximate Message Passingâ€"Part I: Derivation. IEEE Transactions on Signal Processing, 2014, 62, 5839-5853.	3.2	159
42	Data reconstruction in internet traffic matrix. China Communications, 2014, 11, 1-12.	2.0	8
43	Non-Rigid Structure-From-Motion With Uniqueness Constraint and Low Rank Matrix Fitting Factorization. IEEE Transactions on Multimedia, 2014, 16, 1350-1357.	5.2	67
44	Bilinear Generalized Approximate Message Passingâ€"Part II: Applications. IEEE Transactions on Signal Processing, 2014, 62, 5854-5867.	3.2	57
45	Recovery of Low-Rank Matrices Under Affine Constraints via a Smoothed Rank Function. IEEE Transactions on Signal Processing, 2014, 62, 981-992.	3.2	41
46	Factor Matrix Trace Norm Minimization for Low-Rank Tensor Completion. , 2014, , .		22
47	R3MC: A Riemannian three-factor algorithm for low-rank matrix completion. , 2014, , .		20
48	Coded aperture design for hyper-spectral image recovery via Matrix Completion. , 2015, , .		1
49	Analysis of Matrix Completion algorithms for spectral image estimation from compressive coded projections. , 2015, , .		2
50	Decentralized and Privacy-Preserving Low-Rank Matrix Completion. Journal of the Operations Research Society of China, 2015, 3, 189-205.	0.9	8
51	Spatio-temporal tensor completion for imputing missing internet traffic data. , 2015, , .		9
52	Low-Rank Matrix Factorization under General Mixture Noise Distributions. , 2015, , .		59
53	Fast Low-Rank Matrix Learning with Nonconvex Regularization. , 2015, , .		21
54	Subspace projection matrix completion on Grassmann manifold. , 2015, , .		1

#	Article	IF	Citations
55	Greedy rank updates combined with Riemannian descent methods for low-rank optimization. , 2015, , .		9
56	Distributed optimization for multi-task learning via nuclear-norm approximationâˆ—âˆ—The authors are with the Department of Mechanical and Aerospace Engineering, University of California, San Diego, USA.. IFAC-PapersOnLine, 2015, 48, 64-69.	0.5	6
57	Depth-weighted group-wise principal component analysis for video foreground/background separation. , 2015, , .		7
58	Matrix Completion with Queries. , 2015, , .		16
59	Structured low-rank matrix approximation in Gaussian process regression for autonomous robot navigation. , 2015, , .		2
60	A map estimation framework for HDR video synthesis. , 2015, , .		3
61	Guaranteed Matrix Completion via Nonconvex Factorization. , 2015, , .		36
62	A novel k-space annihilating filter method for unification between compressed sensing and parallel MRI. , 2015, , .		11
63	Parallel matrix factorization algorithm and its application to 5D seismic reconstruction and denoising. Geophysics, 2015, 80, V173-V187.	1.4	73
64	A new retraction for accelerating the Riemannian three-factor low-rank matrix completion algorithm. , 2015, , .		4
65	High-Resolution Three-Dimensional Imaging of Space Targets in Micromotion. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 3428-3440.	2.3	25
66	Low-Rank Modeling and Its Applications in Image Analysis. ACM Computing Surveys, 2015, 47, 1-33.	16.1	102
67	Robust bilinear factorization with missing and grossly corrupted observations. Information Sciences, 2015, 307, 53-72.	4.0	27
68	Low-rank matrix completion via preconditioned optimization on the Grassmann manifold. Linear Algebra and Its Applications, 2015, 475, 200-239.	0.4	58
69	Orthogonal Rank-One Matrix Pursuit for Low Rank Matrix Completion. SIAM Journal of Scientific Computing, 2015, 37, A488-A514.	1.3	69
70	Annihilating Filter-Based Low-Rank Hankel Matrix Approach for Image Inpainting. IEEE Transactions on Image Processing, 2015, 24, 3498-3511.	6.0	136
71	Seismic data reconstruction via weighted nuclear-norm minimization. Inverse Problems in Science and Engineering, 2015, 23, 277-291.	1.2	13
72	Estimation of a sparse and spiked covariance matrix. Journal of Nonparametric Statistics, 2015, 27, 241-252.	0.4	0

#	Article	IF	Citations
73	High dimensional covariance matrix estimation using multi-factor models from incomplete information. Science China Mathematics, 2015, 58, 829-844.	0.8	1
74	Robust Principal Component Pursuit via Inexact Alternating Minimization on Matrix Manifolds. Journal of Mathematical Imaging and Vision, 2015, 51, 361-377.	0.8	20
75	Variants of Alternating Least Squares Tensor Completion in the Tensor Train Format. SIAM Journal of Scientific Computing, 2015, 37, A2424-A2450.	1.3	39
76	Lingo. , 2015, , .		6
77	Matrix completion discriminant analysis. Computational Statistics and Data Analysis, 2015, 92, 115-125.	0.7	8
78	Optimizing Batch Linear Queries under Exact and Approximate Differential Privacy. ACM Transactions on Database Systems, 2015, 40, 1-47.	1.5	19
79	Patch based low rank structured matrix completion for accelerated scanning microscopy. , 2015, , .		4
80	Multi-View Learning With Incomplete Views. IEEE Transactions on Image Processing, 2015, 24, 5812-5825.	6.0	149
81	Penalty decomposition methods for rank minimization. Optimization Methods and Software, 2015, 30, 531-558.	1.6	46
82	Spectral–Spatial Hyperspectral Image Classification Using $\ell_{1/2}$ Regularized Low-Rank Representation and Sparse Representation-Based Graph Cuts. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 2473-2484.	2.3	79
83	Comparison of Matrix Completion Algorithms for Background Initialization in Videos. Lecture Notes in Computer Science, 2015, , 510-518.	1.0	16
84	Efficient matrix completion for seismic data reconstruction. Geophysics, 2015, 80, V97-V114.	1.4	74
85	A non-convex algorithm framework based on DC programming and DCA for matrix completion. Numerical Algorithms, 2015, 68, 903-921.	1.1	6
86	A New Algorithm for Positive Semidefinite Matrix Completion. Journal of Applied Mathematics, 2016, 2016, 1-5.	0.4	20
87	A nonconvex approach to low‐rank matrix completion using convex optimization. Numerical Linear Algebra With Applications, 2016, 23, 801-824.	0.9	8
88	Acceleration of MR parameter mapping using annihilating filter‐based low rank hankel matrix (ALOHA). Magnetic Resonance in Medicine, 2016, 76, 1848-1864.	1.9	83
89	Computationally Efficient Truncated Nuclear Norm Minimization for High Dynamic Range Imaging. IEEE Transactions on Image Processing, 2016, 25, 4145-4157.	6.0	38
90	Low-Rank Matrix Completion for Mobile Edge Caching in Fog-RAN via Riemannian Optimization. , 2016, , .		7

#	ARTICLE	IF	CITATIONS
91	Concatenated image completion via tensor augmentation and completion. , 2016, , .		10
92	Localization in Internet of Things network: Matrix completion approach. , 2016, , .		12
93	Scaled stochastic gradient descent for low-rank matrix completion. , 2016, , .		0
94	Short-Term Traffic Prediction Based on Dynamic Tensor Completion. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 2123-2133.	4.7	166
95	Robust face recognition based on dynamic rank representation. Pattern Recognition, 2016, 60, 13-24.	5.1	47
96	Low-Rank Matrix Completion for Topological Interference Management by Riemannian Pursuit. IEEE Transactions on Wireless Communications, 2016, , 1-1.	6.1	37
97	Guaranteed Matrix Completion via Non-Convex Factorization. IEEE Transactions on Information Theory, 2016, 62, 6535-6579.	1.5	172
98	Guarantees of Riemannian Optimization for Low Rank Matrix Recovery. SIAM Journal on Matrix Analysis and Applications, 2016, 37, 1198-1222.	0.7	65
99	A General Framework for Compressed Sensing and Parallel MRI Using Annihilating Filter Based Low-Rank Hankel Matrix. IEEE Transactions on Computational Imaging, 2016, 2, 480-495.	2.6	175
100	Robust Low-Rank Matrix Factorization Under General Mixture Noise Distributions. IEEE Transactions on Image Processing, 2016, 25, 4677-4690.	6.0	145
101	A fast rank-reduction algorithm for three-dimensional seismic data interpolation. Journal of Applied Geophysics, 2016, 132, 137-145.	0.9	25
102	Accurate recovery of Internet traffic data: A tensor completion approach. , 2016, , .		45
103	Localization of Internet of Things network via Euclidean distance matrix completion. , 2016, , .		2
104	Riemannian optimization with subspace tracking for low-rank recovery. , 2016, , .		3
105	Proximal Riemannian Pursuit for Large-Scale Trace-Norm Minimization. , 2016, , .		0
106	Block Decomposition Methods for Total Variation by Primalâ€"Dual Stitching. Journal of Scientific Computing, 2016, 68, 273-302.	1.1	13
107	Rank constrained nuclear norm minimization with application to image denoising. Signal Processing, 2016, 129, 1-11.	2.1	25
108	Factorized Robust Matrix Completion. , 2016, , 9-1-9-19.		0

#	Article	IF	Citations
109	Incremental Methods for Robust Local Subspace Estimation. , 2016, , 11-1-11-37.		0
110	Recovering Low-Rank and Sparse Matrices with Missing and Grossly Corrupted Observations. , 2016, , 15-1-15-22.		0
111	Dynamic Mode Decomposition for Robust PCA with Applications to Foreground/Background Subtraction in Video Streams and Multi-Resolution Analysis. , 2016, , 19-1-19-16.		0
112	Large-scale supervised similarity learning in networks. Knowledge and Information Systems, 2016, 48, 707-740.	2.1	2
113	Reference‐free single‐pass EPI <scp>N</scp>yquist ghost correction using annihilating filter‐based low rank <scp>H</scp>ankel matrix (ALOHA). Magnetic Resonance in Medicine, 2016, 76, 1775-1789.	1.9	61
114	Nonconvex Nonsmooth Low Rank Minimization via Iteratively Reweighted Nuclear Norm. IEEE Transactions on Image Processing, 2016, 25, 829-839.	6.0	235
115	Error bounds for rank constrained optimization problems and applications. Operations Research Letters, 2016, 44, 336-341.	0.5	9
116	Alternating strategies with internal ADMM for low-rank matrix reconstruction. Signal Processing, 2016, 121, 153-159.	2.1	16
117	Generalized Higher Order Orthogonal Iteration for Tensor Learning and Decomposition. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 2551-2563.	7.2	48
118	Tomographic Reconstruction and Alignment Using Matrix Norm Minimization. IEEE Journal on Selected Topics in Signal Processing, 2016, 10, 47-60.	7.3	1
119	Schatten-q regularizer constrained low rank subspace clustering model. Neurocomputing, 2016, 182, 36-47.	3.5	45
120	Low rank matrix completion by alternating steepest descent methods. Applied and Computational Harmonic Analysis, 2016, 40, 417-429.	1.1	84
121	Tensor completion using total variation and low-rank matrix factorization. Information Sciences, 2016, 326, 243-257.	4.0	125
122	False data separation for data security in smart grids. Knowledge and Information Systems, 2017, 52, 815-834.	2.1	13
123	Accurate traffic matrix completion based on multi-Gaussian models. Computer Communications, 2017, 102, 165-176.	3.1	22
124	Efficient Tensor Completion for Color Image and Video Recovery: Low-Rank Tensor Train. IEEE Transactions on Image Processing, 2017, 26, 2466-2479.	6.0	259
125	SMS‐HSL: Simultaneous multislice aliasing separation exploiting hankel subspace learning. Magnetic Resonance in Medicine, 2017, 78, 1392-1404.	1.9	10
126	Fast Nonnegative Matrix Factorization and Completion Using Nesterov Iterations. Lecture Notes in Computer Science, 2017, , 26-35.	1.0	9

#	Article	IF	Citations
127	Five-Dimensional Seismic Reconstruction Using Parallel Square Matrix Factorization. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 2124-2135.	2.7	46
128	Matrix completion by least-square, low-rank, and sparse self-representations. Pattern Recognition, 2017, 71, 290-305.	5.1	49
129	A line search filter-SQP method with Lagrangian function for nonlinear inequality constrained optimization. Japan Journal of Industrial and Applied Mathematics, 2017, 34, 141-176.	0.5	3
130	Fast Singular Value Projection for Low-Rank Matrix Completion. , 2017, , .		1
131	Matrix completion for SPOC student peer-grading evaluation. , 2017, , .		0
133	Targeted matrix completion. , 2017, , 255-263.		3
134	Fast smooth rank function approximation based on matrix tri-factorization. Neurocomputing, 2017, 257, 144-153.	3.5	4
135	Low-rank approximation pursuit for matrix completion. Mechanical Systems and Signal Processing, 2017, 95, 77-89.	4.4	6
136	A non-convex tensor rank approximation for tensor completion. Applied Mathematical Modelling, 2017, 48, 410-422.	2.2	72
137	A Globally Convergent Algorithm for Nonconvex Optimization Based on Block Coordinate Update. Journal of Scientific Computing, 2017, 72, 700-734.	1.1	137
138	A Maximum <italic>a Posteriori</italic> Estimation Framework for Robust High Dynamic Range Video Synthesis. IEEE Transactions on Image Processing, 2017, 26, 1143-1157.	6.0	14
139	Matrix and tensor completion algorithms for background model initialization: A comparative evaluation. Pattern Recognition Letters, 2017, 96, 22-33.	2.6	41
140	Reconstruction of Structurally-Incomplete Matrices With Reweighted Low-Rank and Sparsity Priors. IEEE Transactions on Image Processing, 2017, 26, 1158-1172.	6.0	12
141	5D seismic reconstruction via parallel matrix factorization with randomized QR decomposition. , 2017, , .		5
142	Truncated l_{1-2} Models for Sparse Recovery and Rank Minimization. SIAM Journal on Imaging Sciences, 2017, 10, 1346-1380.	1.3	65
143	Convergence of Proximal Iteratively Reweighted Nuclear Norm Algorithm for Image Processing. IEEE Transactions on Image Processing, 2017, 26, 5632-5644.	6.0	22
144	Seismic Processing: Interpolation and Regularization and Multiples Complete Session. , 2017, , .		0
145	Closed-Loop Opinion Formation. , 2017, , .		8

#	Article	IF	Citations
146	The two-stage iteration algorithms based on the shortest distance for low-rank matrix completion. Applied Mathematics and Computation, 2017, 314, 133-141.	1.4	5
147	A Decoupled method for image inpainting with patch-based low rank regulariztion. Applied Mathematics and Computation, 2017, 314, 334-348.	1.4	6
148	$$ell\_p$$ â„" p Regularized low-rank approximation via iterative reweighted singular value minimization. Computational Optimization and Applications, 2017, 68, 619-642.	0.9	15
149	Global Time-Delay Estimation in Ultrasound Elastography. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2017, 64, 1625-1636.	1.7	78
150	Convex local sensitive low rank matrix approximation. , 2017, , .		1
151	Deep learning based matrix completion. Neurocomputing, 2017, 266, 540-549.	3.5	55
152	$$S\_{1/2}$$ S 1 / 2 regularization methods and fixed point algorithms for affine rank minimization problems. Computational Optimization and Applications, 2017, 67, 543-569.	0.9	20
153	Compressive Sampling Using Annihilating Filter-Based Low-Rank Interpolation. IEEE Transactions on Information Theory, 2017, 63, 777-801.	1.5	57
154	A Novel Riemannian Metric Based on Riemannian Structure and Scaling Information for Fixed Low-Rank Matrix Completion. IEEE Transactions on Cybernetics, 2017, 47, 1299-1312.	6.2	12
155	MRI artifact correction using sparseâ€‰+â€‰lowâ€rank decomposition of annihilating filterâ€based hankel matrix. Magnetic Resonance in Medicine, 2017, 78, 327-340.	1.9	36
156	Riemannian Alternative Matrix Completion for Image-Based Flame Recognition. IEEE Transactions on Circuits and Systems for Video Technology, 2017, 27, 2490-2503.	5.6	10
157	Recover Corrupted Data in Sensor Networks: A Matrix Completion Solution. IEEE Transactions on Mobile Computing, 2017, 16, 1434-1448.	3.9	102
158	Matrix Separation Based on LMaFit-Seed. Computer Journal, 2017, 60, 1609-1618.	1.5	1
159	Disciplined multi-convex programming. , 2017, , .		25
160	Optimization Algorithms. , 2017, , 55-110.		3
161	Efficient low rank matrix approximation via orthogonality pursuit and â„"2 regularization. , 2017, , .		0
162	Accurate recovery of internet traffic data under dynamic measurements. , 2017, , .		21
163	An Efficient Bilinear Factorization based Method For Motion Capture Data Refinement. , 2017, , 533-547.		0

#	Article	IF	Citations
164	Recovering spectral images from compressive measurements using designed coded apertures and Matrix Completion Theory. Ingenieria Y Universidad, 2017, 21, .	0.5	1
165	Light Field Compression With Homography-Based Low-Rank Approximation. IEEE Journal on Selected Topics in Signal Processing, 2017, 11, 1132-1145.	7.3	75
166	Dictionary learning for sparse representation based on nuclear norm minimization. , 2017, , .		0
167	Accelerated low-rank representation for subspace clustering and semi-supervised classification on large-scale data. Neural Networks, 2018, 100, 39-48.	3.3	21
168	Accurate Recovery of Internet Traffic Data: A Sequential Tensor Completion Approach. IEEE/ACM Transactions on Networking, 2018, 26, 793-806.	2.6	65
169	Sparse and Low-Rank Decomposition of a Hankel Structured Matrix for Impulse Noise Removal. IEEE Transactions on Image Processing, 2018, 27, 1448-1461.	6.0	71
170	Matrix factorization for low-rank tensor completion using framelet prior. Information Sciences, 2018, 436-437, 403-417.	4.0	62
171	Damped Dreamlet Representation for Exploration Seismic Data Interpolation and Denoising. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 3159-3172.	2.7	54
172	Tensor Factorization for Low-Rank Tensor Completion. IEEE Transactions on Image Processing, 2018, 27, 1152-1163.	6.0	175
173	Narrowband RFI Suppression for SAR System via Fast Implementation of Joint Sparsity and Low-Rank Property. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 2748-2761.	2.7	51
174	SVD-Based Tensor-Completion Technique for Background Initialization. IEEE Transactions on Image Processing, 2018, 27, 3114-3126.	6.0	27
175	Fuzzy Double Trace Norm Minimization for Recommendation Systems. IEEE Transactions on Fuzzy Systems, 2018, 26, 2039-2049.	6.5	20
176	Fast Low-Rank Bayesian Matrix Completion With Hierarchical Gaussian Prior Models. IEEE Transactions on Signal Processing, 2018, 66, 2804-2817.	3.2	34
177	Light Field Inpainting Propagation via Low Rank Matrix Completion. IEEE Transactions on Image Processing, 2018, 27, 1981-1993.	6.0	89
178	Rank-One Matrix Completion With Automatic Rank Estimation via L1-Norm Regularization. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 4744-4757.	7.2	36
179	Improved magnetic resonance fingerprinting reconstruction with low‑rank and subspace modeling. Magnetic Resonance in Medicine, 2018, 79, 933-942.	1.9	113
180	Robust Matrix Factorization by Majorization Minimization. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2018, 40, 208-220.	9.7	38
181	A patch-based low-rank tensor approximation model for multiframe image denoising. Journal of Computational and Applied Mathematics, 2018, 329, 125-133.	1.1	14

#	Article	IF	Citations
182	Motion Capture Data Completion via Truncated Nuclear Norm Regularization. IEEE Signal Processing Letters, 2018, 25, 258-262.	2.1	25
183	Low-rank matrix recovery via smooth rank function and its application in image restoration. International Journal of Machine Learning and Cybernetics, 2018, 9, 1565-1576.	2.3	5
184	Locally Linear Approximation Approach for Incomplete Data. IEEE Transactions on Cybernetics, 2018, 48, 1720-1732.	6.2	24
185	Latent Fingerprint Value Prediction: Crowd-Based Learning. IEEE Transactions on Information Forensics and Security, 2018, 13, 20-34.	4.5	28
186	Non-linear matrix completion. Pattern Recognition, 2018, 77, 378-394.	5.1	29
187	Intelligent interpolation by Monte Carlo machine learning. Geophysics, 2018, 83, V83-V97.	1.4	49
188	Matrix completion by deep matrix factorization. Neural Networks, 2018, 98, 34-41.	3.3	115
189	A Mixture of Nuclear Norm and Matrix Factorization for Tensor Completion. Journal of Scientific Computing, 2018, 75, 43-64.	1.1	10
190	Matrix completion via capped nuclear norm. IET Image Processing, 2018, 12, 959-966.	1.4	11
191	Differentially Private Matrix Completion via Distributed Matrix Factorization. , 2018, , .		2
192	Efficient Tensor Completion for Internet Traffic Data Recovery. , 2018, , .		1
193	A new method based on the manifold-alternative approximating for low-rank matrix completion. Journal of Inequalities and Applications, 2018, 2018, 340.	0.5	1
194	Breaking the Limits of Subspace Inference. , 2018, , .		0
195	Exploiting the Structure Effectively and Efficiently in Low-Rank Matrix Recovery. Handbook of Numerical Analysis, 2018, 19, 21-51.	0.9	6
196	Singular Value Decomposition and its Applications in Image Processing. , 2018, , .		7
197	A multiple kernel density clustering algorithm for incomplete datasets in bioinformatics. BMC Systems Biology, 2018, 12, 111.	3.0	8
198	A Nonmonotone Alternating Updating Method for a Class of Matrix Factorization Problems. SIAM Journal on Optimization, 2018, 28, 3402-3430.	1.2	6
199	Weakly-Supervised Generative Adversarial Nets with Auxiliary Information for Wireless Coverage Estimation. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
200	Tensor Completion From Structurally-Missing Entries by Low-TT-Rankness and Fiber-Wise Sparsity. IEEE Journal on Selected Topics in Signal Processing, 2018, 12, 1420-1434.	7.3	26
201	Tensor Nuclear Norm-Based Low-Rank Approximation With Total Variation Regularization. IEEE Journal on Selected Topics in Signal Processing, 2018, 12, 1364-1377.	7.3	44
202	Enhancing Matrix Completion Using a Modified Second-Order Total Variation. Discrete Dynamics in Nature and Society, 2018, 2018, 1-12.	0.5	5
203	Active Feature Acquisition with Supervised Matrix Completion. , 2018, , .		20
204	Spatially Regularized Low Rank Tensor Optimization for Visual Data Completion. , 2018, , .		1
205	Survey of Matrix Completion Models. , 2018, , .		0
206	Accurate Recovery of Internet Traffic Data Under Variable Rate Measurements. IEEE/ACM Transactions on Networking, 2018, 26, 1137-1150.	2.6	33
207	Hyperspectral image restoration using framelet-regularized low-rank nonnegative matrix factorization. Applied Mathematical Modelling, 2018, 63, 128-147.	2.2	28
208	A survey of matrix completion methods for recommendation systems. Big Data Mining and Analytics, 2018, 1, 308-323.	7.5	92
209	Noise Tolerant Localization for Sensor Networks. IEEE/ACM Transactions on Networking, 2018, 26, 1701-1714.	2.6	30
210	Global optimality condition and fixed point continuation algorithm for non-Lipschitz ℓ_p regularized matrix minimization. Science China Mathematics, 2018, 61, 1139-1152.	0.8	7
211	Matrix completion and vector completion via robust subspace learning. Neurocomputing, 2018, 306, 171-181.	3.5	5
212	Matrix Factorization for Collaborative Budget Allocation. IEEE Transactions on Automation Science and Engineering, 2018, 15, 1471-1482.	3.4	9
213	Robust synchronization in SO(3) and SE(3) via low-rank and sparse matrix decomposition. Computer Vision and Image Understanding, 2018, 174, 95-113.	3.0	35
214	Matrix completion with capped nuclear norm via majorized proximal minimization. Neurocomputing, 2018, 316, 190-201.	3.5	9
215	Technical Note: Interleaved bipolar acquisition and low‐rank reconstruction for water–fat separation in MRI. Medical Physics, 2018, 45, 3229-3237.	1.6	0
216	Recovering Missing Connections in Diffusion Weighted MRI Using Matrix Completion. Mathematics and Visualization, 2018, , 155-164.	0.4	0
217	Traffic Data Reconstruction via Adaptive Spatial-Temporal Correlations. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 1531-1543.	4.7	63

#	Article	IF	Citations
218	A Fast and Accurate Matrix Completion Method Based on QR Decomposition and <inline-formula> <tex-math notation="LaTeX">$L_{2,1}$ </tex-math> </inline-formula>-Norm Minimization. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 803-817.	7.2	20
219	Experimental Comparisons of Sparse Dictionary Learning and Independent Component Analysis for Brain Network Inference From fMRI Data. IEEE Transactions on Biomedical Engineering, 2019, 66, 289-299.	2.5	54
220	Large-Scale Low-Rank Matrix Learning with Nonconvex Regularizers. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 41, 2628-2643.	9.7	61
221	Low-rank tensor completion via combined non-local self-similarity and low-rank regularization. Neurocomputing, 2019, 367, 1-12.	3.5	33
222	Byzantine-resilient Distributed Large-scale Matrix Completion. , 2019, , .		6
223	Low-Rank Matrix Completion: A Contemporary Survey. IEEE Access, 2019, 7, 94215-94237.	2.6	102
224	Multi-source traffic data reconstruction using joint low-rank and fundamental diagram constraints. IEEE Intelligent Transportation Systems Magazine, 2019, 11, 221-234.	2.6	4
225	Multispectral Snapshot Demosaicing Via Non-Convex Matrix Completion. , 2019, , .		1
226	CT-NNBI: Method to Impute Gene Expression Data using DCT Based Sparsity and Nuclear Norm Constraint with Split Bregman Iteration. , 2019, , .		2
227	Low-Rank Tensor Completion Based on Log-Det Rank Approximation and Matrix Factorization. Journal of Scientific Computing, 2019, 80, 1888-1912.	1.1	14
228	Nonnegative Tensor Completion via Low-Rank Tucker Decomposition: Model and Algorithm. IEEE Access, 2019, 7, 95903-95914.	2.6	9
229	Active Sparse Mobile Crowd Sensing Based on Matrix Completion. , 2019, , .		39
231	Weakly supervised label distribution learning based on transductive matrix completion with sample correlations. Pattern Recognition Letters, 2019, 125, 453-462.	2.6	14
232	Stable ALS approximation in the TT-format for rank-adaptive tensor completion. Numerische Mathematik, 2019, 143, 855-904.	0.9	8
233	Learned Turbo Message Passing for Affine Rank Minimization and Compressed Robust Principal Component Analysis. IEEE Access, 2019, 7, 140606-140617.	2.6	1
234	Low-Complexity Decentralized Recommendation System With Similarity Constraints. IEEE Access, 2019, 7, 146922-146938.	2.6	0
235	TARM: A Turbo-Type Algorithm for Affine Rank Minimization. IEEE Transactions on Signal Processing, 2019, 67, 5730-5745.	3.2	8
236	Matrix Rigidity and the Ill-Posedness of Robust PCA and Matrix Completion. SIAM Journal on Mathematics of Data Science, 2019, 1, 537-554.	1.0	2

#	Article	IF	Citations
237	Sparsely Self-Supervised Generative Adversarial Nets for Radio Frequency Estimation. IEEE Journal on Selected Areas in Communications, 2019, 37, 2428-2442.	9.7	11
238	Outlier-Robust Moving Object and Background Decomposition via Structured ${\ell }_p$-Regularized Low-Rank Representation. IEEE Transactions on Emerging Topics in Computational Intelligence, 2021, 5, 620-638.	3.4	9
239	A Riemannian gossip approach to subspace learning on Grassmann manifold. Machine Learning, 2019, 108, 1783-1803.	3.4	9
240	Optimality Conditions for Rank-Constrained Matrix Optimization. Journal of the Operations Research Society of China, 2019, 7, 285-301.	0.9	7
241	Robust estimation of generalized estimating equations with finite mixture correlation matrices and missing covariates at random for longitudinal data. Journal of Multivariate Analysis, 2019, 173, 640-655.	0.5	3
242	Matrix completion from a computational statistics perspective. Wiley Interdisciplinary Reviews: Computational Statistics, 2019, 11, e1469.	2.1	15
243	Bilinear Recovery Using Adaptive Vector-AMP. IEEE Transactions on Signal Processing, 2019, 67, 3383-3396.	3.2	12
244	TS-MC: Two Stage Matrix Completion Algorithm for Wireless Sensor Networks. , 2019, , .		1
245	A Hybrid Truncated Norm Regularization Method for Matrix Completion. IEEE Transactions on Image Processing, 2019, 28, 5171-5186.	6.0	9
246	Clustered Monotone Transforms for Rating Factorization. , 2019, , .		1
247	Direction of arrival estimation with missing data via matrix completion. Signal, Image and Video Processing, 2019, 13, 1451-1459.	1.7	4
248	TV-DCT: Method to Impute Gene Expression Data Using DCT Based Sparsity and Total Variation Denoising. , 2019, , .		2
249	Efficient Recovery of Low-Rank Matrix via Double Nonconvex Nonsmooth Rank Minimization. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 2916-2925.	7.2	35
250	A singular value p-shrinkage thresholding algorithm for low rank matrix recovery. Computational Optimization and Applications, 2019, 73, 453-476.	0.9	8
251	A two-step low rank matrices approach for constrained MR image reconstruction. Magnetic Resonance Imaging, 2019, 60, 20-31.	1.0	3
252	Discovering hierarchical common brain networks via multimodal deep belief network. Medical Image Analysis, 2019, 54, 238-252.	7.0	15
253	Function Prediction for G Protein-Coupled Receptors through Text Mining and Induction Matrix Completion. ACS Omega, 2019, 4, 3045-3054.	1.6	2
254	Low-rank tensor completion via smooth matrix factorization. Applied Mathematical Modelling, 2019, 70, 677-695.	2.2	49

#	ARTICLE	IF	CITATIONS
255	Learned Turbo-type Affine Rank Minimization. , 2019, , .		0
256	Deep Inductive Matrix Completion for Biomedical Interaction Prediction. , 2019, , .		2
257	Blind Detection in Coexistence of Human-Type and Machine-Type Communications. , 2019, , .		0
258	Single-cell RNAseq Imputation Based on Matrix Completion with Side Information. , 2019, , .		0
259	Cost-Effective Signal Map Crowdsourcing with Auto-Encoder Based Active Matrix Completion. , 2019, , .		2
260	Guaranteed Matrix Completion Under Multiple Linear Transformations. , 2019, , .		6
261	Seismic source reconstruction in an orthogonal geometry based on local and non-local information in the time slice domain. Journal of Applied Geophysics, 2019, 170, 103846.	0.9	7
262	Temperature Field Data Reconstruction Using the Sparse Low-Rank Matrix Completion Method. Advances in Meteorology, 2019, 2019, 1-10.	0.6	1
263	Energy Efficient Data Gathering Schema for Wireless Sensor Network: A Matrix Completion Based Approach. , 2019, , .		3
264	Video Analysis Based on Human Pose for Unsupervised Summarization and Retrieval. , 2019, , .		2
265	Nonconvex Low Rank Approximation With Phase Congruency Regularization for Mixed Noise Removal. IEEE Access, 2019, 7, 179538-179551.	2.6	4
266	Image Completion with Filtered Alternating Least Squares Tucker Decomposition. , 2019, , .		1
267	Recovery of Subspace Structure from High-Rank Data with Missing Entries. , 2019, , .		1
268	Nonparametric Tensor Completion Based on Gradient Descent and Nonconvex Penalty. Symmetry, 2019, 11, 1512.	1.1	0
269	Adaptive Rank Estimation Based Tensor Factorization Algorithm for Low-Rank Tensor Completion. , 2019, , .		0
270	Accelerated and Inexact Soft-Impute for Large-Scale Matrix and Tensor Completion. IEEE Transactions on Knowledge and Data Engineering, 2019, 31, 1665-1679.	4.0	16
271	Matrix Completion Based on Non-Convex Low-Rank Approximation. IEEE Transactions on Image Processing, 2019, 28, 2378-2388.	6.0	40
272	Adapting Regularized Low-Rank Models for Parallel Architectures. SIAM Journal of Scientific Computing, 2019, 41, A163-A189.	1.3	6

#	Article	IF	Citations
273	Fast and efficient algorithm for matrix completion via closed-form 2/3-thresholding operator. Neurocomputing, 2019, 330, 212-222.	3.5	14
274	A Nonconvex Relaxation Approach to Low-Rank Tensor Completion. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 1659-1671.	7.2	54
275	F–xy domain morphological filtering for three-dimensional seismic erratic noise suppression. Geophysical Journal International, 2019, 216, 81-102.	1.0	7
276	Performance Analysis of Connectivity and Localization in Multi-Hop Underwater Optical Wireless Sensor Networks. IEEE Transactions on Mobile Computing, 2019, 18, 2604-2615.	3.9	49
277	Accelerated low rank matrix approximate algorithms for matrix completion. Computers and Mathematics With Applications, 2019, 77, 334-341.	1.4	1
278	Online Schatten quasi-norm minimization for robust principal component analysis. Information Sciences, 2019, 476, 83-94.	4.0	14
279	Outlier Detection and Optimal Anchor Placement for 3-D Underwater Optical Wireless Sensor Network Localization. IEEE Transactions on Communications, 2019, 67, 611-622.	4.9	52
280	Alternating Iteratively Reweighted Least Squares Minimization for Low-Rank Matrix Factorization. IEEE Transactions on Signal Processing, 2019, 67, 490-503.	3.2	22
281	Structured nonconvex and nonsmooth optimization: algorithms and iteration complexity analysis. Computational Optimization and Applications, 2019, 72, 115-157.	0.9	66
282	Low rank tensor completion for multiway visual data. Signal Processing, 2019, 155, 301-316.	2.1	97
283	LRR for Subspace Segmentation via Tractable Schatten-p Norm Minimization and Factorization. IEEE Transactions on Cybernetics, 2019, 49, 1722-1734.	6.2	63
284	Self-concordant inclusions: a unified framework for path-following generalized Newton-type algorithms. Mathematical Programming, 2019, 177, 173-223.	1.6	4
285	Fast and Low Memory Cost Matrix Factorization: Algorithm, Analysis, and Case Study. IEEE Transactions on Knowledge and Data Engineering, 2020, 32, 288-301.	4.0	3
286	Matrix Completion via Sparse Factorization Solved by Accelerated Proximal Alternating Linearized Minimization. IEEE Transactions on Big Data, 2020, 6, 119-130.	4.4	11
287	Provable accelerated gradient method for nonconvex low rank optimization. Machine Learning, 2020, 109, 103-134.	3.4	4
288	Low Rank and Sparse Decomposition for Image and Video Applications. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 2046-2056.	5.6	6
289	deepMc: Deep Matrix Completion for Imputation of Single-Cell RNA-seq Data. Journal of Computational Biology, 2020, 27, 1011-1019.	0.8	19
290	Robust approximations of low-rank minimization for tensor completion. Neurocomputing, 2020, 379, 319-333.	3.5	6

#	ARTICLE	IF	CITATIONS
291	Majorized Proximal Alternating Imputation for regularized rank constrained matrix completion. Journal of Computational and Applied Mathematics, 2020, 371, 112679.	1.1	1
292	Multi-dimensional imaging data recovery via minimizing the partial sum of tubal nuclear norm. Journal of Computational and Applied Mathematics, 2020, 372, 112680.	1.1	55
293	Low-Rank Matrix Recovery via Modified Schatten-p Norm Minimization With Convergence Guarantees. IEEE Transactions on Image Processing, 2020, 29, 3132-3142.	6.0	39
294	Matrix Optimization Over Low-Rank Spectral Sets: Stationary Points and Local and Global Minimizers. Journal of Optimization Theory and Applications, 2020, 184, 895-930.	0.8	3
295	Soft detection of 5-day BOD with sparse matrix in city harbor water using deep learning techniques. Water Research, 2020, 170, 115350.	5.3	53
296	Robust matrix completion with complex noise. Multimedia Tools and Applications, 2020, 79, 2703-2717.	2.6	1
297	Robust Matrix Completion via Maximum Correntropy Criterion and Half-Quadratic Optimization. IEEE Transactions on Signal Processing, 2020, 68, 181-195.	3.2	45
298	Fast and Robust Low-Rank Approximation for Five-Dimensional Seismic Data Reconstruction. IEEE Access, 2020, 8, 175501-175512.	2.6	13
299	Adaptive Matrix Completion for Fast Visibility Computations with Many Lights Rendering. Computer Graphics Forum, 2020, 39, 47-58.	1.8	0
300	Power load data completion method considering low rank property. CSEE Journal of Power and Energy Systems, 2020, , .	1.7	4
301	On critical points of quadratic low-rank matrix optimization problems. IMA Journal of Numerical Analysis, 2020, 40, 2626-2651.	1.5	4
302	Selecting Optimal Completion to Partial Matrix via Self-Validation. IEEE Signal Processing Letters, 2020, 27, 1265-1269.	2.1	1
303	Neural Tensor Completion for Accurate Network Monitoring. , 2020, , .		13
304	2-D Seismic Data Reconstruction via Truncated Nuclear Norm Regularization. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 6336-6343.	2.7	16
305	Best Pair Formulation & Accelerated Scheme for Non-Convex Principal Component Pursuit. IEEE Transactions on Signal Processing, 2020, 68, 6128-6141.	3.2	3
306	Noisy Matrix Completion: Understanding Statistical Guarantees for Convex Relaxation via Nonconvex Optimization. SIAM Journal on Optimization, 2020, 30, 3098-3121.	1.2	44
307	A New Estimation Algorithm for Frequency and Amplitude in Harmonic Signal Processing. IEEE Access, 2020, 8, 166014-166023.	2.6	0
308	Label Embedding for Multi-label Classification Via Dependence Maximization. Neural Processing Letters, 2020, 52, 1651-1674.	2.0	5

#	ARTICLE	IF	CITATIONS
309	PCI-MF: Partial Canonical Identity and Matrix Factorization Framework for Channel Estimation in mmWave Massive MIMO Systems. IEEE Open Journal of Signal Processing, 2020, 1, 135-145.	2.3	2
310	Polynomial Matrix Completion for Missing Data Imputation and Transductive Learning. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 3842-3849.	3.6	11
311	Improving the Data Quality for Credit Card Fraud Detection. , 2020, , .		4
312	Quaternion-Based Bilinear Factor Matrix Norm Minimization for Color Image Inpainting. IEEE Transactions on Signal Processing, 2020, 68, 5617-5631.	3.2	18
313	Rank-One Matrix Approximation With â„"$_p$-Norm for Image Inpainting. IEEE Signal Processing Letters, 2020, 27, 680-684.	2.1	22
315	Accelerated inexact matrix completion algorithm via closed-form q-thresholding $$(q = 1/2, 2/3)$$ operator. International Journal of Machine Learning and Cybernetics, 2020, 11, 2327-2339.	2.3	9
316	Fast and Accurate Tensor Completion With Total Variation Regularized Tensor Trains. IEEE Transactions on Image Processing, 2020, 29, 6918-6931.	6.0	32
317	Matrix completion with side information using manifold optimisation. IET Signal Processing, 2020, 14, 106-114.	0.9	0
318	Accurate and Fast Recovery of Network Monitoring Data With GPU-Accelerated Tensor Completion. IEEE/ACM Transactions on Networking, 2020, 28, 1601-1614.	2.6	13
319	Learning Low-Rank Representation for Matrix Completion. , 2020, , .		3
320	Matrix Completion via Schatten Capped p Norm. IEEE Transactions on Knowledge and Data Engineering, 2020, , 1-1.	4.0	4
321	Toeplitz matrix completion via a low-rank approximation algorithm. Journal of Inequalities and Applications, 2020, 2020, .	0.5	0
322	Adaptive Low-Nonnegative-Rank Approximation for State Aggregation of Markov Chains. SIAM Journal on Matrix Analysis and Applications, 2020, 41, 244-278.	0.7	3
323	Image Completion with Hybrid Interpolation in Tensor Representation. Applied Sciences (Switzerland), 2020, 10, 797.	1.3	5
324	Temporal Super-resolution of Ultrasound Imaging Using Matrix Completion. Ultrasonic Imaging, 2020, 42, 115-134.	1.4	2
325	Short-Term Rental Forecast of Urban Public Bicycle Based on the HOSVD-LSTM Model in Smart City. Sensors, 2020, 20, 3072.	2.1	7
326	Deep Neural Network Based Matrix Completion for Internet of Things Network Localization. , 2020, , .		5
327	Tensor-Based Approach for Background-Foreground Separation in Maritime Sequences. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 7115-7128.	4.7	2

#	Article	IF	Citations
328	Dynamic MR Image Reconstruction From Highly Undersampled (k, t)-Space Data Exploiting Low Tensor Train Rank and Sparse Prior. IEEE Access, 2020, 8, 28690-28703.	2.6	7
329	The Energy-Aware Matrix Completion-Based Data Gathering Scheme for Wireless Sensor Networks. IEEE Access, 2020, 8, 30772-30788.	2.6	8
330	CMF-Impute: an accurate imputation tool for single-cell RNA-seq data. Bioinformatics, 2020, 36, 3139-3147.	1.8	78
331	Hierarchical Organization of Functional Brain Networks Revealed by Hybrid Spatiotemporal Deep Learning. Brain Connectivity, 2020, 10, 72-82.	0.8	16
332	A novel patch-based nonlinear matrix completion algorithm for image analysis through convolutional neural network. Neurocomputing, 2020, 389, 56-82.	3.5	11
333	Imputation of Gene Expression Data in Blood Cancer and Its Significance in Inferring Biological Pathways. Frontiers in Oncology, 2020, 9, 1442.	1.3	13
334	Robust Schatten-p Norm Based Approach for Tensor Completion. Journal of Scientific Computing, 2020, 82, 1.	1.1	8
335	Distributed Information-Theoretic Semisupervised Learning for Multilabel Classification. IEEE Transactions on Cybernetics, 2022, 52, 821-835.	6.2	4
336	A Brief Introduction to Manifold Optimization. Journal of the Operations Research Society of China, 2020, 8, 199-248.	0.9	81
337	Accurate and Fast Recovery of Network Monitoring Data: A GPU Accelerated Matrix Completion. IEEE/ACM Transactions on Networking, 2020, 28, 958-971.	2.6	9
338	Adaptive total variation and second-order total variation-based model for low-rank tensor completion. Numerical Algorithms, 2021, 86, 1-24.	1.1	6
339	Coupled matrix–matrix and coupled tensor–matrix completion methods for predicting drug–target interactions. Briefings in Bioinformatics, 2021, 22, 2161-2171.	3.2	17
340	Generalized Unitarily Invariant Gauge Regularization for Fast Low-Rank Matrix Recovery. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 1627-1641.	7.2	6
341	Tensor Canonical Correlation Analysis With Convergence and Statistical Guarantees. Journal of Computational and Graphical Statistics, 2021, 30, 728-744.	0.9	2
342	Missing Data Recovery in Large Power Systems Using Network Embedding. IEEE Transactions on Smart Grid, 2021, 12, 680-691.	6.2	6
343	Coexistence of Human-Type and Machine-Type Communications in Uplink Massive MIMO. IEEE Journal on Selected Areas in Communications, 2021, 39, 804-819.	9.7	4
344	Joint Embedding Learning and Low-Rank Approximation: A Framework for Incomplete Multiview Learning. IEEE Transactions on Cybernetics, 2021, 51, 1690-1703.	6.2	24
345	Fast algorithms for robust principal component analysis with an upper bound on the rank. Inverse Problems and Imaging, 2021, 15, 109-128.	0.6	2

#	ARTICLE	IF	CITATIONS
346	Rank $2r$ Iterative Least Squares: Efficient Recovery of Ill-Conditioned Low Rank Matrices from Few Entries. SIAM Journal on Mathematics of Data Science, 2021, 3, 439-465.	1.0	5
347	Partial Exactness for the Penalty Function of Biconvex Programming. Entropy, 2021, 23, 132.	1.1	6
348	A Three-Operator Splitting Algorithm for Nonconvex Sparsity Regularization. SIAM Journal of Scientific Computing, 2021, 43, A2809-A2839.	1.3	5
349	Grant-Free Access via Bilinear Inference for Cell-Free MIMO With Low-Coherence Pilots. IEEE Transactions on Wireless Communications, 2021, 20, 7694-7710.	6.1	16
351	Large-Scale Affine Matrix Rank Minimization With a Novel Nonconvex Regularizer. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 4661-4675.	7.2	21
352	Rank Consistency Induced Multiview Subspace Clustering via Low-Rank Matrix Factorization. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 3157-3170.	7.2	15
353	Deep Learning Based Low-Rank Matrix Completion for IoT Network Localization. IEEE Wireless Communications Letters, 2021, 10, 2115-2119.	3.2	10
354	A Novel Hierarchical Deep Matrix Completion Method. IEEE Access, 2021, 9, 7908-7920.	2.6	0
355	Enhanced Nonconvex Low-Rank Approximation of Tensor Multi-Modes for Tensor Completion. IEEE Transactions on Computational Imaging, 2021, 7, 164-177.	2.6	13
356	Hierarchical Factorization Strategy for High-Order Tensor and Application to Data Completion. IEEE Signal Processing Letters, 2021, 28, 1255-1259.	2.1	4
357	Spectrally Sparse Signal Recovery via Hankel Matrix Completion With Prior Information. IEEE Transactions on Signal Processing, 2021, 69, 2174-2187.	3.2	10
358	Robust Low-Rank Tensor Completion Based on Tensor Ring Rank via $\ell_{p,epsilon}$-Norm. IEEE Transactions on Signal Processing, 2021, 69, 3685-3698.	3.2	6
359	Robust Matrix Completion With Column Outliers. IEEE Transactions on Cybernetics, 2022, 52, 12042-12055.	6.2	4
360	Robust Data Recovery in Wireless Sensor Network: A Learning-Based Matrix Completion Framework. Sensors, 2021, 21, 1016.	2.1	6
361	An approximation method of CP rank for third-order tensor completion. Numerische Mathematik, 2021, 147, 727-757.	0.9	0
362	Dominant Path Zero-Forcing Based on Low-Rank Matrix Approximation for Full-Dimensional Massive MIMO Systems. IEEE Transactions on Vehicular Technology, 2021, 70, 2888-2893.	3.9	1
363	Ground penetrating radar data reconstruction via matrix completion. International Journal of Remote Sensing, 2021, 42, 4607-4624.	1.3	8
364	Low-rank factorization for rank minimization with nonconvex regularizers. Computational Optimization and Applications, 2021, 79, 273-300.	0.9	2

#	Article	IF	Citations
365	A Scalable, Adaptive and Sound Nonconvex Regularizer for Low-rank Matrix Learning. , 2021, , .		3
366	Qualitative HD Image and Video Recovery via High-Order Tensor Augmentation and Completion. IEEE Journal on Selected Topics in Signal Processing, 2021, 15, 688-701.	7.3	4
367	Generalized Newton methods for graph signal matrix completion. , 2021, 112, 103009.		3
368	An Efficient Tensor Completion Method Combining Matrix Factorization and Smoothness. Wireless Communications and Mobile Computing, 2021, 2021, 1-13.	0.8	0
369	One-step multi-view subspace clustering with incomplete views. Neurocomputing, 2021, 438, 290-301.	3.5	12
370	Leveraging Website Popularity Differences to Identify Performance Anomalies. , 2021, , .		1
371	Expectile Tensor Completion to Recover Skewed Network Monitoring Data. , 2021, , .		2
372	A NONLOCAL LOW-RANK REGULARIZATION METHOD FOR FRACTAL IMAGE CODING. Fractals, 2021, 29, 2150125.	1.8	5
373	Pyramid-Context Encoder Network (PEN-Net) for Missing Data Recovery in Ground Penetrating Radar. , 2021, , .		2
374	Rank revealing–based tensor completion using improved generalized tensor multi–rank minimization. IET Signal Processing, 2021, 15, 483-499.	0.9	5
375	Matrix completion with column outliers and sparse noise. Information Sciences, 2021, 573, 125-140.	4.0	3
376	Implicit steepest descent algorithm for optimization with orthogonality constraints. Optimization Letters, 2022, 16, 1773-1797.	0.9	6
377	A Matrix Completion Based Method for RFI Source Localization in Microwave Interferometric Radiometry. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 7588-7602.	2.7	14
378	An objective penalty function method for biconvex programming. Journal of Global Optimization, 2021, 81, 599-620.	1.1	1
379	A novel deep quantile matrix completion model for top-N recommendation. Knowledge-Based Systems, 2021, 228, 107302.	4.0	5
380	Multi-sensing paradigm based urban air quality monitoring and hazardous gas source analyzing: a review. Journal of Safety Science and Resilience, 2021, 2, 131-145.	1.3	11
381	Deep learning approach for matrix completion using manifold learning. Signal Processing, 2021, 188, 108231.	2.1	4
382	A fast low rank Vandermonde factorization reconstruction method for non-uniformly sampled 2D NMR spectroscopy. , 2021, 118, 103249.		1

#	ARTICLE	IF	CITATIONS
383	A Novel Regularized Model for Third-Order Tensor Completion. IEEE Transactions on Signal Processing, 2021, 69, 3473-3483.	3.2	7
384	A Novel Matrix Completion Model Based on the Multi-Layer Perceptron Integrating Kernel Regularization. IEEE Access, 2021, 9, 67042-67050.	2.6	3
385	Spatiotemporal Tensor Completion for Improved Urban Traffic Imputation. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 6836-6849.	4.7	11
386	Low Rank Representation on Product Grassmann Manifolds for Multi-view Subspace Clustering. , 2021, , .		3
387	Device-to-Device Cooperative Positioning via Matrix Completion and Anchor Selection. IEEE Internet of Things Journal, 2022, 9, 5461-5473.	5.5	7
388	Tensor Completion in Hierarchical Tensor Representations. Applied and Numerical Harmonic Analysis, 2015, , 419-450.	0.1	22
389	Image Completion with Smooth Nonnegative Matrix Factorization. Lecture Notes in Computer Science, 2018, , 62-72.	1.0	3
390	Image Completion with Nonnegative Matrix Factorization Under Separability Assumption. Lecture Notes in Computer Science, 2018, , 116-126.	1.0	2
391	Sparse and low-rank recovery using adaptive thresholding. , 2018, 73, 145-152.		11
392	Urban network-wide traffic speed estimation with massive ride-sourcing GPS traces. Transportation Research Part C: Emerging Technologies, 2020, 112, 136-152.	3.9	34
394	Smoothing Partially Exact Penalty Function of Biconvex Programming. Asia-Pacific Journal of Operational Research, 2020, 37, 2040018.	0.9	1
395	Convolution-Consistent Collective Matrix Completion. , 2019, , .		5
396	A new 5D seismic reconstruction method based on a Parallel Square Matrix Factorization algorithm. , 2015, , .		3
397	A review on low-rank models in data analysis. Big Data & Information Analytics, 2016, 1, 139-161.	1.3	17
398	Seismic data reconstruction via matrix completion. Inverse Problems and Imaging, 2013, 7, 1379-1392.	0.6	60
399	Parallel matrix factorization for low-rank tensor completion. Inverse Problems and Imaging, 2015, 9, 601-624.	0.6	192
400	Guarantees of riemannian optimization for low rank matrix completion. Inverse Problems and Imaging, 2020, 14, 233-265.	0.6	7
401	Fast singular value thresholding without singular value decomposition. Methods and Applications of Analysis, 2013, 20, 335-352.	0.1	33

#	ARTICLE	IF	CITATIONS
402	Imputing Missing Entries of a Data Matrix: A Review. Journal of Advanced Computing, 0, , .	0.0	7
403	GSMAC: GAN-Based Signal map Construction With Active Crowdsourcing. IEEE Transactions on Mobile Computing, 2023, 22, 2190-2204.	3.9	4
404	Urban Traffic Pattern Analysis and Applications Based on Spatio-Temporal Non-Negative Matrix Factorization. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 12752-12765.	4.7	7
405	Sparse Inverse Synthetic Aperture Radar Imaging Using Structured Low-Rank Method. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12.	2.7	13
406	Simultaneous Multislice Brain MRI T1 Mapping with Improved Low-Rank Modeling. Tomography, 2021, 7, 545-554.	0.8	1
409	A Scalable and Feasible Matrix Completion Approach Using Random Projection. Lecture Notes in Computer Science, 2015, , 550-558.	1.0	0
411	Collaborative Rating Allocation. , 2017, , .		1
412	SURFACE SNOW DENSITY OF EAST ANTARCTICA DERIVED FROM IN-SITU OBSERVATIONS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-3, 1657-1660.	0.2	4
413	Background recovery via motion-based robust principal component analysis with matrix factorization. Journal of Electronic Imaging, 2018, 27, 1.	0.5	4
414	SNIG Property of Matrix Low-Rank Factorization Model. Journal of Computational Mathematics, 2018, 36, 374-390.	0.2	0
415	An Integrated Optimization Approach for Depth Map Enhancement on Special Riemannian Manifold. , 2018, , .		1
416	Bilinear Factorization via Recursive Sample Factoring for Low-Rank Hyperspectral Image Recovery. Lecture Notes in Computer Science, 2019, , 529-540.	1.0	0
419	A Packet Loss Monitoring System for In-Band Network Telemetry: Detection, Localization, Diagnosis and Recovery. IEEE Transactions on Network and Service Management, 2021, 18, 4151-4168.	3.2	13
420	An accurate and practical algorithm for internet traffic recovery problem. Neurocomputing, 2022, 467, 203-213.	3.5	1
421	An efficient damped Newton-type algorithm with globalization strategy on Riemannian manifolds. Journal of Computational and Applied Mathematics, 2022, 403, 113853.	1.1	1
422	Spatio-Temporal Constraint-Based Low Rank Matrix Completion Approaches for Road Traffic Networks. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 13452-13462.	4.7	6
423	Color Image Recovery Using Low-Rank Quaternion Matrix Completion Algorithm. IEEE Transactions on Image Processing, 2022, 31, 190-201.	6.0	25
424	Rotation Invariant Deep Learning Approach for Image Inpainting. , 2021, , .		0

#	Article	IF	Citations
425	Low‑rank matrix fitting based channel estimation for full‑dimensional massive MIMO systems. Electronics Letters, 0, , .	0.5	0
426	Locomotion Mode Recognition Using Sensory Data With Noisy Labels: A Deep Learning Approach. IEEE Transactions on Mobile Computing, 2023, 22, 3460-3471.	3.9	3
427	Hybrid Matrix Completion Model for Improved Images Recovery and Recommendation Systems. IEEE Access, 2021, 9, 149349-149359.	2.6	2
428	A smoothing proximal gradient algorithm for matrix rank minimization problem. Computational Optimization and Applications, 2022, 81, 519-538.	0.9	5
429	Quaternion-based color image completion via logarithmic approximation. Information Sciences, 2022, 588, 82-105.	4.0	13
430	Localization of Internet of Things Network via Deep Neural Network Based Matrix Completion. , 2020, , .		3
431	Data Matrix Completion Based on Pattern Classification. , 2021, , .		0
432	Outlier-Resistant Localization for Smart Cities: Low-Rank Approximation-Based Approaches. Scientific Programming, 2022, 2022, 1-13.	0.5	0
433	Handling data sparsity via item metadata embedding into deep collaborative recommender system. Journal of King Saud University - Computer and Information Sciences, 2022, 34, 9953-9963.	2.7	9
434	Missing Data Recovery via Deep Networks for Limited Ground Penetrating Radar Measurements. Remote Sensing, 2022, 14, 754.	1.8	5
435	SNIFF: A Scalable Network Inference Framework for Measuring End-to-End Performance. IEEE Transactions on Network Science and Engineering, 2022, 9, 1909-1923.	4.1	5
436	Fast Retrieval of Large Entries With Incomplete Measurement Data. IEEE/ACM Transactions on Networking, 2022, , 1-15.	2.6	0
437	Low rank matrix minimization with a truncated difference of nuclear norm and Frobenius norm regularization. Journal of Industrial and Management Optimization, 2023, 19, 2354-2366.	0.8	3
438	STGAN: Spatio-Temporal Generative Adversarial Network for Traffic Data Imputation. IEEE Transactions on Big Data, 2023, 9, 200-211.	4.4	12
439	An Interpretable Bi-Branch Neural Network for Matrix Completion. SSRN Electronic Journal, 0, , .	0.4	0
440	Parameter Measurement of LFM Signal With FRI Sampling and Nuclear Norm Denoising. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-17.	2.4	11
441	An optimal statistical and computational framework for generalized tensor estimation. Annals of Statistics, 2022, 50, .	1.4	14
442	Gramian‑based vulnerability analysis of dynamic networks. IET Control Theory and Applications, 2022, 16, 625-637.	1.2	1

#	ARTICLE	IF	CITATIONS
443	Adaptive dictionary and structure learning for unsupervised feature selection. Information Processing and Management, 2022, 59, 102931.	5.4	3
444	Sparse matrix factorization with <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si9.svg"><mml:msub><mml:mi>L</mml:mi><mml:mrow><mml:mn>2</mml:mn><mml:mo>,</mml:mo><mml:mn>1</mml:mn></mml:m norm for matrix completion. Pattern Recognition, 2022, 127, 108655.	3.1	17
445	Mixed-Projection Conic Optimization: A New Paradigm for Modeling Rank Constraints. Operations Research, 2022, 70, 3321-3344.	1.2	7
446	Metalearning-Based Alternating Minimization Algorithm for Nonconvex Optimization. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 5366-5380.	7.2	14
447	Fast and robust rank-one matrix completion via maximum correntropy criterion and half-quadratic optimization. Signal Processing, 2022, 198, 108580.	2.1	3
450	Enhanced CFRP Defect Detection From Highly Undersampled Thermographic Data via Low-Rank Tensor Completion-Based Thermography. IEEE Transactions on Industrial Informatics, 2022, 18, 8641-8653.	7.2	5
451	Bayesian Low-Rank Matrix Completion with Dual-Graph Embedding: Prior Analysis and Tuning-Free Inference. SSRN Electronic Journal, 0, , .	0.4	1
452	Efficient DOA Estimation Under Partially Impaired Antenna Array Elements. IEEE Transactions on Vehicular Technology, 2022, 71, 7991-7996.	3.9	6
453	Multi-label learning with missing features and labels and its application to text categorization. Intelligent Systems With Applications, 2022, 14, 200086.	1.9	1
454	A fast proximal iteratively reweighted nuclear norm algorithm for nonconvex low-rank matrix minimization problems. Applied Numerical Mathematics, 2022, 179, 66-86.	1.2	3
455	Continuation Methods for Riemannian Optimization. SIAM Journal on Optimization, 2022, 32, 1069-1093.	1.2	1
456	Column $ell_{2,0}$-Norm Regularized Factorization Model of Low-Rank Matrix Recovery and Its Computation. SIAM Journal on Optimization, 2022, 32, 959-988.	1.2	0
457	An Interpretable Bi-Branch Neural Network for Matrix Completion. Signal Processing, 2022, , 108640.	2.1	0
458	Network Latency Estimation: A Tensor-based Weighted Singular Value Thresholding Method. , 2021, , .		0
459	Reweighted Low-Rank Factorization With Deep Prior for Image Restoration. IEEE Transactions on Signal Processing, 2022, 70, 3514-3529.	3.2	2
460	Predicting Unseen Links Using Learning-based Matrix Completion. , 2022, , .		1
461	Lightweight Trilinear Pooling based Tensor Completion for Network Traffic Monitoring. , 2022, , .		8
462	Parallel matrix factorization-based collaborative sparsity and smooth prior for estimating missing values in multidimensional data. Pattern Analysis and Applications, 0, , .	3.1	0

#	Article	IF	Citations
463	A regularised deep matrix factorised model of matrix completion for image restoration. IET Image Processing, 2022, 16, 3212-3224.	1.4	3
464	NeuMF: Predicting Anti-cancer Drug Response Through a Neural Matrix Factorization Model. Current Bioinformatics, 2022, 17, 835-847.	0.7	2
465	DICDP: Deep Incomplete Clustering withÂDistribution Preserving. Communications in Computer and Information Science, 2022, , 162-175.	0.4	1
466	GNMR: A Provable One-Line Algorithm for Low Rank Matrix Recovery. SIAM Journal on Mathematics of Data Science, 2022, 4, 909-934.	1.0	1
467	Local convergence of alternating lowâ€rank optimization methods with overrelaxation. Numerical Linear Algebra With Applications, 2023, 30, .	0.9	1
468	Image inpainting algorithm based on tensor decomposition and weighted nuclear norm. Multimedia Tools and Applications, 2023, 82, 3433-3458.	2.6	5
469	Fast Hybrid Algorithm for Big Matrix Recovery. Proceedings of the AAAI Conference on Artificial Intelligence, 2016, 30, .	3.6	0
470	Generalized Higher-Order Tensor Decomposition via Parallel ADMM. Proceedings of the AAAI Conference on Artificial Intelligence, 2014, 28, .	3.6	7
471	Scalable Algorithms for Tractable Schatten Quasi-Norm Minimization. Proceedings of the AAAI Conference on Artificial Intelligence, 2016, 30, .	3.6	15
472	A Limited-Memory Riemannian Symmetric Rank-One Trust-Region Method with a Restart Strategy. Journal of Scientific Computing, 2022, 93, .	1.1	13
473	Low rank matrix recovery with impulsive noise. Applied Mathematics Letters, 2022, 134, 108364.	1.5	1
474	Generalized self-calibrating simultaneous multi-slice MR image reconstruction from 3D Fourier encoding perspective. Medical Image Analysis, 2022, 82, 102621.	7.0	0
475	Matrix Completion Based on Low-Rank and Local Features Applied to Images Recovery and Recommendation Systems. IEEE Access, 2022, 10, 97010-97021.	2.6	0
476	Multi-View Matrix Factorization for Sparse Mobile Crowdsensing. IEEE Internet of Things Journal, 2022, 9, 25767-25779.	5.5	1
477	GPR Image Recovery Effect on Faster R-CNN-Based Buried Target Detection. Journal of Electromagnetic Engineering and Science, 2022, 22, 591-598.	0.7	2
478	Low-Rank Tensor Patching Based on Convolutional Sparse Coding for Communication Data Repair. Mobile Information Systems, 2022, 2022, 1-14.	0.4	0
479	Tensor Completion via A Generalized Transformed Tensor T-Product Decomposition Without t-SVD. Journal of Scientific Computing, 2022, 93, .	1.1	5
480	Robust Matrix Completion Based on Factorization and Truncated-Quadratic Loss Function. IEEE Transactions on Circuits and Systems for Video Technology, 2023, 33, 1521-1534.	5.6	4

#	Article	IF	Citations
481	Deep Matrix Factorization Based on Convolutional Neural Networks for Image Inpainting. Entropy, 2022, 24, 1500.	1.1	0
482	Bayesian low-rank matrix completion with dual-graph embedding: Prior analysis and tuning-free inference. Signal Processing, 2023, 204, 108826.	2.1	3
483	Robust DOA Estimation Using VSS-LMS With Low-Rank Matrix Approximation. IEEE Transactions on Aerospace and Electronic Systems, 2023, 59, 2967-2978.	2.6	3
484	Structured Low-Rank and Sparse Method for ISAR Imaging With 2-D Compressive Sampling. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	2.7	19
485	Multimodal Core Tensor Factorization and its Applications to Low-Rank Tensor Completion. IEEE Transactions on Multimedia, 2023, 25, 7010-7024.	5.2	8
486	Nonlinear matrix recovery using optimization on the Grassmann manifold. Applied and Computational Harmonic Analysis, 2022, , .	1.1	0
487	Fast Robust Matrix Completion via Entry-Wise ℓ_0-Norm Minimization. IEEE Transactions on Cybernetics, 2023, 53, 7199-7212.	6.2	4
488	Elastic adversarial deep nonnegative matrix factorization for matrix completion. Information Sciences, 2023, 621, 562-579.	4.0	6
489	Seismic Data Reconstruction Based on Back-Projection Fidelity and Regularization by Denoising Convolutional Neural Network. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-11.	2.7	2
490	T-product factorization based method for matrix and tensor completion problems. Computational Optimization and Applications, 2023, 84, 761-788.	0.9	3
491	Salt‐and‐pepper denoising method for colour images based on tensor low‐rank prior and implicit regularization. IET Image Processing, 2023, 17, 886-900.	1.4	0
492	Cooperative Electromagnetic Data Annotation via Low-Rank Matrix Completion. Remote Sensing, 2023, 15, 121.	1.8	1
493	Proximal linearization methods for Schatten p-quasi-norm minimization. Numerische Mathematik, 2023, 153, 213-248.	0.9	1
494	On Using Hamiltonian Monte Carlo Sampling for RL. , 2022, , .		0
495	An Adaptive SVT-Based Matrix Completion Method for DOA Estimation in Nonuniform Noise. , 2021, , .		1
496	Deep Adversarial Tensor Completion for Accurate Network Traffic Measurement. IEEE/ACM Transactions on Networking, 2023, 31, 2101-2116.	2.6	1
497	An Improved Low Rank Matrix Fitting Method based on Weighted $L_{1,p}$ Norm Minimization for Matrix Completion. International Journal of Pattern Recognition and Artificial Intelligence, 0, , .	0.7	0
498	Alternating Projection Based Unitary Matrix Completion Method for DOA Estimation in Nonuniform Noise. , 2022, , .		0

#	ARTICLE	IF	CITATIONS
499	Decentralized Collaborative Filtering Algorithm withÂPrivacy Preserving forÂRecommendation inÂMobile Edge Computing. Communications in Computer and Information Science, 2023, , 352-365.	0.4	0
500	Adaptive Rank-One Matrix Completion using Sum of Outer Products. IEEE Transactions on Circuits and Systems for Video Technology, 2023, , 1-1.	5.6	0
501	Three-dimensional seismic data reconstruction via partial sum of tensor nuclear norm minimization. Journal of Geophysics and Engineering, 2023, 20, 376-386.	0.7	0
502	Hide & Seek: Traffic Matrix Completion and Inference Using Hidden Information. , 2023, , .		2
503	A Fast Matrix Completion Method Based on Matrix Bifactorization and QR Decomposition. Wireless Communications and Mobile Computing, 2023, 2023, 1-12.	0.8	1
504	Distributed Solving Linear Algebraic Equations with Switched Fractional Order Dynamics. Journal of Systems Science and Complexity, 2023, 36, 613-631.	1.6	1
523	Maximizing Network Reliability in Large Scale Infrastructure Networks: A Heat Conduction Model Perspective. , 2023, , .		0
525	Low-Rank Matrix Completion Based on Schattern-p Norm and Gaussian Kernel. , 2023, , .		0
528	Multicomponent seismic data vector reconstruction via quaternionic matrix factorization. , 2023, , .		0