

CITATION REPORT

List of articles citing

Computational Optimal Transport: With Applications to Data Science

DOI: 10.1561/22000000073

Foundations and Trends in Machine Learning, 2019, 11, 355-6

Source: <https://exaly.com/paper-pdf/73709704/citation-report.pdf>

Version: 2024-04-26

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
621	Existence and Uniqueness of Recursive Equilibria With Aggregate and Idiosyncratic Risk. 2018,		
620	On the computation of Wasserstein barycenters. 2018,		0
619	Optimal transport at finite temperature. 2019, 100, 013310		5
618	Optimal transport-based polar interpolation of directional fields. 2019, 38, 1-13		2
617	A real-valued auction algorithm for optimal transport. 2019, 12, 514-533		
616	. 2019, 107, 2204-2239		200
615	Consensus-Based Distributed Discrete Optimal Transport for Decentralized Resource Matching. 2019, 5, 511-524		1
614	Gradient Methods for Problems with Inexact Model of the Objective. 2019, 97-114		17
613	Constructing Sampling Schemes via Coupling: Markov Semigroups and Optimal Transport. 2019, 7, 324-382		2
612	Random Matrix-Improved Estimation of the Wasserstein Distance between two Centered Gaussian Distributions. 2019,		0
611	Deep Closest Point: Learning Representations for Point Cloud Registration. 2019,		142
610	Wasserstein GAN With Quadratic Transport Cost. 2019,		11
609	A Wasserstein Subsequence Kernel for Time Series. 2019,		0
608	. 2019,		0
607	Extended Mean Field Control Problems: Stochastic Maximum Principle and Transport Perspective. 2019, 57, 3666-3693		11
606	Causal optimal transport and its links to enlargement of filtrations and continuous-time stochastic optimization. 2020, 130, 2918-2953		5
605	Convergence rates for empirical barycenters in metric spaces: curvature, convexity and extendable geodesics. 2020, 177, 323-368		9

604	Kinetic Correlation Functionals from the Entropic Regularization of the Strictly Correlated Electrons Problem. 2020 , 16, 488-498	4
603	On the computation of Wasserstein barycenters. 2020 , 176, 104581	5
602	An entropic Landweber method for linear ill-posed problems. 2020 , 36, 015009	5
601	Optimal Transport for Assessing Nitrate Source-Pathway Connectivity. 2020 , 56, e2020WR027446	13
600	Prediction and prevention of disproportionally dominant agents in complex networks. 2020 , 117, 27090-27095	3
599	Persistent Homology-based Projection Pursuit. 2020 ,	1
598	A topological encoding convolutional neural network for segmentation of 3D multiphoton images of brain vasculature using persistent homology. 2020 , 2020, 4262-4271	5
597	The Kähler geometry of certain optimal transport problems. 2020 , 2, 397-426	6
596	CycleGAN With a Blur Kernel for Deconvolution Microscopy: Optimal Transport Geometry. 2020 , 6, 1127-1138	18
595	Characterization and comparison of large directed networks through the spectra of the magnetic Laplacian. 2020 , 30, 073141	3
594	An LP-based, strongly-polynomial 2-approximation algorithm for sparse Wasserstein barycenters. 2020 , 1	1
593	Detecting the Starting Frame of Actions in Video. 2020 ,	3
592	SuperGlue: Learning Feature Matching With Graph Neural Networks. 2020 ,	218
591	The Sinkhorn algorithm, parabolic optimal transport and geometric Monge-Ampère equations. 2020 , 145, 771-836	10
590	Entropy-based shadowed set approximation of intuitionistic fuzzy sets. 2020 , 35, 2117-2139	12
589	OTDA: a Unsupervised Optimal Transport framework with Discriminant Analysis for Keystroke Inference. 2020 ,	
588	Probability Forecast Combination via Entropy Regularized Wasserstein Distance. 2020 , 22,	
587	Unbalanced Optimal Transport Regularization for Imaging Problems. 2020 , 6, 1219-1232	1

586	Unpaired Deep Learning for Accelerated MRI Using Optimal Transport Driven CycleGAN. 2020 , 6, 1285-1296	17
585	Forecasting future action sequences with attention: a new approach to weakly supervised action forecasting. 2020 , PP,	6
584	. 2020 ,	2
583	Optimal Transport Driven CycleGAN for Unsupervised Learning in Inverse Problems. 2020 , 13, 2281-2306	13
582	Transfer Learning for Wireless Fingerprinting Localization Based on Optimal Transport. 2020 , 20,	1
581	Quantifying accuracy and heterogeneity in single-molecule super-resolution microscopy. 2020 , 11, 6353	4
580	Fused Gromov-Wasserstein Distance for Structured Objects. 2020 , 13, 212	3
579	Hausdorff and Wasserstein metrics on graphs and other structured data. 2020 ,	1
578	Joint Optimal Transport With Convex Regularization for Robust Image Classification. 2020 , PP,	2
577	Regularized variational data assimilation for bias treatment using the Wasserstein metric. 2020 , 146, 2332-2346	3
576	Multi-View Wasserstein Discriminant Analysis with Entropic Regularized Wasserstein Distance. 2020 ,	0
575	A Wasserstein-Type Distance in the Space of Gaussian Mixture Models. 2020 , 13, 936-970	12
574	Homogenisation of one-dimensional discrete optimal transport. 2020 , 139, 204-234	3
573	Local-Mean Preserving Post-Processing Step for Non-Negativity Enforcement in PET Imaging: Application to Y-PET. 2020 , 39, 3725-3736	2
572	Empirical Regularized Optimal Transport: Statistical Theory and Applications. 2020 , 2, 419-443	9
571	Inverse Optimal Transport. 2020 , 80, 599-619	1
570	Metrics for graph comparison: A practitioner's guide. 2020 , 15, e0228728	25
569	A Geometric Understanding of Deep Learning. 2020 , 6, 361-374	30

568	Multi-marginal optimal transport using partial information with applications in robust localization and sensor fusion. 2020 , 171, 107474	10
567	Forward-Backward Splitting for Optimal Transport Based Problems. 2020 ,	1
566	A machine learning framework for solving high-dimensional mean field game and mean field control problems. 2020 , 117, 9183-9193	29
565	Predictive density estimation under the Wasserstein loss. 2021 , 210, 53-63	3
564	Unsupervised Denoising for Satellite Imagery Using Wavelet Directional CycleGAN. 2021 , 59, 6823-6839	13
563	A Stochastic Multi-layer Algorithm for Semi-discrete Optimal Transport with Applications to Texture Synthesis and Style Transfer. 2021 , 63, 282-308	2
562	Sequential ensemble transform for Bayesian inverse problems. 2021 , 427, 110055	1
561	Optimal Transport in Systems and Control. 2021 , 4, 89-113	2
560	Optimal Transport-Based Coverage Control for Swarm Robot Systems: Generalization of the Voronoi Tessellation-Based Method. 2021 , 5, 1483-1488	3
559	A variational formulation for motion design of adaptive compliant structures. 2021 , 122, 972-1000	3
558	Quadratically Regularized Optimal Transport. 2021 , 83, 1919-1949	3
557	Continuous Conversion of CT Kernel Using Switchable CycleGAN With AdaIN. 2021 , 40, 3015-3029	2
556	An Optimal Transport-embedded Similarity Measure for Diagnostic Knowledge Transferability Analytics across Machines. 2021 , 1-1	6
555	The Wasserstein-Fourier Distance for Stationary Time Series. 2021 , 69, 709-721	4
554	Stability in Distribution of Path-Dependent Hybrid Diffusion. 2021 , 59, 434-463	0
553	Unbalanced Optimal Transport in Multi-camera Tracking Applications. 2021 , 327-343	
552	From Optimal Transport to Discrepancy. 2021 , 1-36	0
551	The Bures Metric for Generative Adversarial Networks. 2021 , 52-66	1

550	Gibbs flow for approximate transport with applications to Bayesian computation. 2021 , 83, 156-187	3
549	Inter-domain Multi-relational Link Prediction. 2021 , 285-301	
548	Variational Asymptotic Preserving Scheme for the Vlasov--Poisson--Fokker--Planck System. 2021 , 19, 478-505	1
547	Wasserstein Statistics in One-Dimensional Location-Scale Models. 2021 , 499-506	
546	The Data-Driven Schrödinger Bridge. 2021 , 74, 1545-1573	2
545	Unpaired Training of Deep Learning tMRA for Flexible Spatio-Temporal Resolution. 2021 , 40, 166-179	7
544	Unsupervised CT Metal Artifact Learning Using Attention-Guided CycleGAN. 2021 , 40, 3932-3944	6
543	Stochastic Control Liaisons: Richard Sinkhorn Meets Gaspard Monge on a Schrödinger Bridge. 2021 , 63, 249-313	7
542	Data-Driven Mapping Between Functional Connectomes Using Optimal Transport. 2021 , 293-302	2
541	Multivariate goodness-of-fit tests based on Wasserstein distance. 2021 , 15,	8
540	Transferable Feature Selection for Unsupervised Domain Adaptation. 2021 , 1-1	3
539	Unsupervised Deep Learning. 2021 , 103-126	
538	SPOT: A Framework for Selection of Prototypes Using Optimal Transport. 2021 , 535-551	1
537	Barycenters for the Hellinger--Kantorovich Distance Over \mathbb{R}^d . 2021 , 53, 62-110	1
536	Fast Iterative Solution of the Optimal Transport Problem on Graphs. 2021 , 43, A2295-A2319	1
535	Finite space Kantorovich problem with an MCMC of table moves. 2021 , 15,	2
534	Optimal transport: discretization and algorithms. 2021 , 133-212	3
533	LSMI-Sinkhorn: Semi-supervised Mutual Information Estimation with Optimal Transport. 2021 , 655-670	1

532	Open Set Domain Adaptation Using Optimal Transport. 2021 , 412-435	
531	Coupling matrix manifolds assisted optimization for optimal transport problems. 2021 , 110, 533-558	0
530	CryoGAN: A New Reconstruction Paradigm for Single-Particle Cryo-EM Via Deep Adversarial Learning. 2021 , 7, 759-774	11
529	The Schrödinger problem on the non-commutative Fisher-Rao space. 2021 , 60, 1	1
528	Transport Information Hessian Distances. 2021 , 808-817	0
527	Quantized Gromov-Wasserstein. 2021 , 811-827	3
526	Get rid of the beat in mobile EEG applications: A framework towards automated cardiogenic artifact detection and removal in single-channel EEG.	
525	Fast optimal transport regularized projection and application to coefficient shrinkage and filtering. 1	0
524	Optimal representative sample weighting. 2021 , 31, 1	0
523	Data-Driven Design of Microtransit Services via Optimal Transport and Simulated Annealing. 2021 ,	1
522	Machine learning for single cell genomics data analysis.	2
521	The Number of Optimal Matchings for Euclidean Assignment on the Line. 2021 , 183, 1	0
520	Entropy-Regularized Optimal Transport on Multivariate Normal and -normal Distributions. 2021 , 23,	1
519	Quantum Optimal Transport with Quantum Channels. 2021 , 22, 3199-3234	2
518	Optimal transport analysis reveals trajectories in steady-state systems.	0
517	Alignment and Integration of Spatial Transcriptomics Data.	3
516	Optimal Transport improves cell-cell similarity inference in single-cell omics data.	0
515	Clustering Patterns Connecting COVID-19 Dynamics and Human Mobility Using Optimal Transport. 2021 , 83, 1-18	1

514	Wasserstein statistics in one-dimensional location scale models. 1	2
513	Identification of Hedonic Equilibrium and Nonseparable Simultaneous Equations. 2021 , 129, 842-870	3
512	Revisiting colocalization via optimal transport. 2021 , 1, 177-178	0
511	Particles to partial differential equations parsimoniously. 2021 , 31, 033137	1
510	A new transportation distance with bulk/interface interactions and flux penalization. 2021 , 60, 1	
509	Distribution and quantile functions, ranks and signs in dimension d: A measure transportation approach. 2021 , 49,	15
508	Fast computation of exact solutions of generic and degenerate assignment problems. 2021 , 103, 042101	1
507	Optimal Transport Based Seismic Inversion: Beyond Cycle Skipping.	4
506	Overrelaxed Sinkhorn-Knopp Algorithm for Regularized Optimal Transport. 2021 , 14, 143	2
505	Sinkhorn Collaborative Filtering. 2021 ,	
504	Optimal-Transport-Based Metric For SMLM. 2021 ,	0
503	Sequences of Well-Distributed Vertices on Graphs and Spectral Bounds on Optimal Transport. 2021 , 27, 1	3
502	Minimax estimation of smooth optimal transport maps. 2021 , 49,	2
501	Challenges in Monte Carlo Event Generator Software for High-Luminosity LHC. 2021 , 5, 1	4
500	. 2021 ,	1
499	A Novel Graph-Based Vulnerability Metric in Urban Network Infrastructures: The Case of Water Distribution Networks. 2021 , 13, 1502	1
498	Optimal transportation, modelling and numerical simulation. 2021 , 30, 249-325	1
497	An introduction to deep generative modeling. 2021 , 44, e202100008	12

496	Perceptual quality of BRDF approximations: dataset and metrics. 2021 , 40, 327-338	0
495	Optimal transportation of grain boundaries: A forward model for predicting migration mechanisms. 2021 , 210, 116823	3
494	Convergence of asymptotic costs for random Euclidean matching problems. 2021 , 2, 121-142	0
493	Optimal Transport-based Coverage Control for Swarm Robot Systems: Generalization of the Voronoi Tessellation-based Method. 2021 ,	0
492	Unsupervised weights selection for optimal transport based dataset integration.	
491	On the extremal points of the ball of the BenamouBrenier energy. 2021 , 53, 1436	2
490	A New Evolutionary Approach to Optimal Sensor Placement in Water Distribution Networks. 2021 , 13, 1625	5
489	Influence of synthetically generated inclusions on the stress accumulation and concentration in X65 pipeline steel. 2021 , 1157, 012056	0
488	Simulation of broad-band ground motions with consistent long-period and short-period components using the Wasserstein interpolation of acceleration envelopes. 2021 , 227, 333-349	0
487	Statistical inference for BuresWasserstein barycenters. 2021 , 31,	4
486	Learning low bending and low distortion manifold embeddings. 2021 ,	
485	Graph Embedding using Multi-Layer Adjacent Point Merging Model. 2021 ,	0
484	Variational Formulation of Unsupervised Deep Learning for Ultrasound Image Artifact Removal. 2021 , 68, 2086-2100	8
483	Predicting microbiome compositions from species assemblages through deep learning.	0
482	Cognitive Covert Traffic Synthesis Method Based on Generative Adversarial Network. 2021 , 2021, 1-14	1
481	Machine learning for single-cell genomics data analysis. 2021 , 26, 64-71	4
480	Towards Listening to 10 People Simultaneously: An Efficient Permutation Invariant Training of Audio Source Separation Using Sinkhorn's Algorithm. 2021 ,	2
479	Multiview Sensing with Unknown Permutations: an Optimal Transport Approach. 2021 ,	

478	Label Propagation Through Optimal Transport. 2021,	3
477	Visually smooth multi-UAV formation transformation. 2021, 116, 101111	0
476	Learn and Visually Explain Deep Fair Models: an Application to Face Recognition. 2021,	
475	Data Science and Analytics: An Overview from Data-Driven Smart Computing, Decision-Making and Applications Perspective. 2021, 2, 377	19
474	Pseudo-Riemannian geometry encodes information geometry in optimal transport. 1	2
473	A Wasserstein distance based multiobjective evolutionary algorithm for the risk aware optimization of sensor placement. 2021, 10-11, 200047	2
472	Robust Machine Learning via Privacy/ Rate-Distortion Theory. 2021,	1
471	Aİteknolojileri ile ilgili makalelerin bibliyografik yöntemle incelenmesi.	
470	Kantorovich distance on finite metric spaces: ArensBells norm and CUT norms. 1	0
469	Ensemble Riemannian data assimilation over the Wasserstein space. 2021, 28, 295-309	1
468	Alternating the population and control neural networks to solve high-dimensional stochastic mean-field games. 2021, 118,	9
467	Two-stage deep learning for accelerated 3D time-of-flight MRA without matched training data. 2021, 71, 102047	4
466	Learning spectro-temporal representations of complex sounds with parameterized neural networks. 2021, 150, 353	2
465	Deep fair models for complex data: Graphs labeling and explainable face recognition. 2021,	1
464	Joint Distribution Adaptation via Wasserstein Adversarial Training. 2021,	
463	The Novel Sequence Distance Measuring Algorithm Based on Optimal Transport and Cross-Attention Mechanism. 2021, 2021, 1-10	0
462	Optimal Transport for Applications in Control and Estimation. 2021, 41, 28-33	
461	NovoSpaRc: flexible spatial reconstruction of single-cell gene expression with optimal transport. 2021, 16, 4177-4200	2

460	Control and Estimation of Ensembles via Structured Optimal Transport. 2021 , 41, 50-69	0
459	Manifold alignment for heterogeneous single-cell multi-omics data integration using Pamona. 2021	6
458	Controlling Uncertainty. 2021 , 41, 82-94	0
457	Making Radiomics More Reproducible across Scanner and Imaging Protocol Variations: A Review of Harmonization Methods. 2021 , 11,	17
456	Distributionally robust portfolio maximization and marginal utility pricing in one period financial markets.	1
455	Optimal transport-based transfer learning for smart manufacturing: Tool wear prediction using out-of-domain data. 2021 , 29, 104-107	4
454	A Hyper-surface Arrangement Model of Ranking Distributions. 2021 ,	
453	Optimal Transport on Networks. 2021 , 41, 70-81	1
452	Entropy-regularized 2-Wasserstein distance between Gaussian measures. 1	1
451	Measure Transportation and Statistical Decision Theory. 2022 , 9,	3
450	Study of Concentrated Short Fiber Suspensions in Flows, Using Topological Data Analysis. 2021 , 23,	1
449	. 2021 , 67, 6031-6052	4
448	Group-sparsity-enforcing fault discrimination and estimation with dynamic process data. 2021 , 105, 236-249	1
447	The nested Sinkhorn divergence to learn the nested distance. 1	0
446	WDIBS: Wasserstein deterministic information bottleneck for state abstraction to balance state-compression and performance. 1	
445	Cross-domain activity recognition via substructural optimal transport. 2021 , 454, 65-75	2
444	Stochastic approximation versus sample average approximation for Wasserstein barycenters. 1-33	3
443	Solving inverse problems in stochastic models using deep neural networks and adversarial training. 2021 , 384, 113976	4

442	Unification of sparse Bayesian learning algorithms for electromagnetic brain imaging with the majorization minimization framework. 2021 , 239, 118309	3
441	The Quantum Wasserstein Distance of Order 1. 2021 , 67, 6627-6643	1
440	Shading Rig: Dynamic Art-directable Stylised Shading for 3D Characters. 2021 , 40, 1-14	0
439	A convergent finite difference method for optimal transport on the sphere. 2021 , 445, 110621	1
438	LCS graph kernel based on Wasserstein distance in longest common subsequence metric space. 2021 , 189, 108281	1
437	Mixability of integral losses: A key to efficient online aggregation of functional and probabilistic forecasts. 2021 , 120, 108175	
436	The multistochastic Monge-Kantorovich problem. 2022 , 506, 125666	0
435	Target to Source Coordinate-Wise Adaptation of Pre-trained Models. 2021 , 378-394	0
434	Computing Statistical Divergences with Sigma Points. 2021 , 677-684	
433	Statistical Bundle of the Transport Model. 2021 , 752-759	0
432	Convergence of Non-Convex Non-Concave GANs Using Sinkhorn Divergence. 2021 , 9, 67595-67609	1
431	Generating Natural Adversarial Remote Sensing Images. 2021 , 1-14	2
430	Chain Rule Optimal Transport. 2021 , 191-217	
429	Spectral Convergence of Diffusion Maps: Improved Error Bounds and an Alternative Normalization. 2021 , 59, 1687-1734	9
428	Physics approach to the variable-mass optimal-transport problem. 2021 , 103, 012113	2
427	Fast hybrid tempered ensemble transform filter formulation for Bayesian elliptical problems via Sinkhorn approximation. 2021 , 28, 23-41	0
426	Cournot-Nash Equilibrium and Optimal Transport in a Dynamic Setting. 2021 , 59, 2273-2300	1
425	Fair and Adequate Explanations. 2021 , 79-97	1

424	Optimal Transport with Some Directed Distances. 2021 , 829-840	2
423	Schrödinger Encounters Fisher and Rao: A Survey. 2021 , 468-476	
422	Wasserstein Adversarial Regularization for learning with label noise. 2021 , PP,	0
421	Switchable and Tunable Deep Beamformer using Adaptive Instance Normalization for Medical Ultrasound. 2021 , PP,	1
420	Bridging Few-Shot Learning and Adaptation: New Challenges of Support-Query Shift. 2021 , 554-569	2
419	A mean field game model for the evolution of cities. 2021 , 8, 299	0
418	Fast and Scalable Optimal Transport for Brain Tractograms. 2019 , 636-644	3
417	SkrGAN: Sketching-Rendering Unconditional Generative Adversarial Networks for Medical Image Synthesis. 2019 , 777-785	16
416	On the Estimation of the Wasserstein Distance in Generative Models. 2019 , 156-170	1
415	Optimal Transport. 2020 , 1-35	1
414	Optimal Transport to a Variety. 2020 , 364-381	2
413	Fairness in Machine Learning. 2020 , 155-196	15
412	Learning to Generate Novel Domains for Domain Generalization. 2020 , 561-578	33
411	UNITER: UNiversal Image-TExt Representation Learning. 2020 , 104-120	104
410	FLOT: Scene Flow on Point Clouds Guided by Optimal Transport. 2020 , 527-544	17
409	Statistical Atlas of <i>C. elegans</i> Neurons. 2020 , 119-129	1
408	Collaborative Clustering Through Optimal Transport. 2020 , 873-885	3
407	On the convergence of augmented Lagrangian method for optimal transport between nonnegative densities. 2020 , 485, 123811	1

406	An optimal transport approach for solving dynamic inverse problems in spaces of measures. 2020 , 54, 2351-2382	3
405	EEG data augmentation: towards class imbalance problem in sleep staging tasks. 2020 , 17, 056017	11
404	Ridges in the Dark Energy Survey for cosmic trough identification. 2020 , 500, 859-870	4
403	CryoGAN: A New Reconstruction Paradigm for Single-Particle Cryo-EM via Deep Adversarial Learning.	5
402	Gromov-Wasserstein optimal transport to align single-cell multi-omics data.	12
401	Extracting neural signals from semi-immobilized animals with deformable non-negative matrix factorization.	1
400	Unification of Sparse Bayesian Learning Algorithms for Electromagnetic Brain Imaging with the Majorization Minimization Framework.	1
399	Manifold alignment for heterogeneous single-cell multi-omics data integration using Pamona.	0
398	Linearized optimal transport for collider events. 2020 , 102,	6
397	Geometry of Graph Partitions via Optimal Transport. 2020 , 42, A3340-A3366	3
396	FlipTest. 2020 ,	7
395	Automating the Formulation and Resolution of Convex Variational Problems. 2020 , 46, 1-33	2
394	Identity-by-descent with uncertainty characterises connectivity of Plasmodium falciparum populations on the Colombian-Pacific coast. 2020 , 16, e1009101	3
393	Measuring Linear Correlation Between Random Vectors.	2
392	Application of transport-based metric for continuous interpolation between cryo-EM density maps. 2021 , 7, 986-999	1
391	A Review on Modern Computational Optimal Transport Methods with Applications in Biomedical Research. 2021 , 279-300	2
390	. 2021 , 9, 144361-144374	
389	A Newton Algorithm for Semidiscrete Optimal Transport with Storage Fees. 2021 , 31, 2586-2613	

388	PLG-IN: Pluggable Geometric Consistency Loss with Wasserstein Distance in Monocular Depth Estimation. 2021 ,	0
387	A Graph Convolutional Neural Network Based Approach for Traffic Monitoring Using Augmented Detections with Optical Flow. 2021 ,	1
386	Brain-Computer Interfacing Using Functional Near-Infrared Spectroscopy (fNIRS). 2021 , 11,	4
385	Statistical Analysis of Wasserstein Distributionally Robust Estimators. 2021 , 227-254	0
384	Unsupervised domain adaptation with non-stochastic missing data. 2021 , 35, 2714-2755	
383	Convergent numerical method for the reflector antenna problem via optimal transport on the sphere. 2021 , 38, 1704-1713	0
382	Satellite Image Time Series Clustering via Time Adaptive Optimal Transport. 2021 , 13, 3993	
381	Theoretical Guarantees for Bridging Metric Measure Embedding and Optimal Transport. 2021 , 468, 416-416	0
380	Co-Transport for Class-Incremental Learning. 2021 ,	2
379	AoP-LSE: Antioxidant Proteins Classification Using Deep Latent Space Encoding of Sequence Features. 2021 , 43, 1489-1501	2
378	Wasserstein Distances for Estimating Parameters in Stochastic Reaction Networks. 2019 , 347-351	
377	Review on 3D Mesh Model Analysis Based on the Discrete Differential Geometry. 2019 , 08, 354-364	
376	Quantifying accuracy and heterogeneity in single-molecule super-resolution microscopy.	
375	Primal Heuristics for Wasserstein Barycenters. 2020 , 239-255	
374	A persistent homology model of street network connectivity.	1
373	Probabilistic measures of edge criticality in graphs: a study in water distribution networks. 2021 , 6,	2
372	Inverse Design of 2D Airfoils using Conditional Generative Models and Surrogate Log-Likelihoods. 1-22	1
371	Probing the theoretical and computational limits of dissipative design. 2021 , 155, 194114	0

370	Finite-Horizon Control of Nonlinear Discrete-Time Systems with Terminal Cost of Wasserstein Distance. 2020 ,	0
369	A Gaussian Process Based Algorithm for Stochastic Simulation Optimization with Input Distribution Uncertainty. 2020 ,	1
368	Simultaneous Identification of Nonlinear Dynamics and State Distribution using Jensen-Shannon Divergence. 2021 , 54, 25-30	
367	Get rid of the beat in mobile EEG applications: A framework towards automated cardiogenic artifact detection and removal in single-channel EEG. 2022 , 72, 103220	0
366	Construction of Fréchet Means and Multicouplings. 2020 , 117-139	
365	Trajectories from Distribution-Valued Functional Curves: A Unified Wasserstein Framework. 2020 , 343-353	0
364	Functional Data Clustering Analysis via the Learning of Gaussian Processes with Wasserstein Distance. 2020 , 393-403	
363	Gaussian processes with multidimensional distribution inputs via optimal transport and Hilbertian embedding. 2020 , 14,	3
362	Accelerating Monte Carlo Bayesian Prediction via Approximating Predictive Uncertainty Over the Simplex. 2020 , PP,	
361	Normalizing Flow Policies for Multi-agent Systems. 2020 , 277-296	0
360	Measuring localization confidence for quantifying accuracy and heterogeneity in single-molecule super-resolution microscopy. 2020 ,	1
359	A Generalized Loss Function for Crowd Counting and Localization. 2021 ,	23
358	Wasserstein Barycenter for Multi-Source Domain Adaptation. 2021 ,	0
357	OTCE: A Transferability Metric for Cross-Domain Cross-Task Representations. 2021 ,	3
356	Hilbert Sinkhorn Divergence for Optimal Transport. 2021 ,	2
355	Learning Deep Latent Variable Models by Short-Run MCMC Inference with Optimal Transport Correction. 2021 ,	
354	. 2021 ,	3
353	MongeNet: Efficient Sampler for Geometric Deep Learning. 2021 ,	

352	Unbalanced Feature Transport for Exemplar-based Image Translation. 2021 ,	4
351	Entropical Optimal Transport, Schrödinger System and Algorithms. 2021 , 41, 2183-2197	
350	Computational optimal transport for molecular spectra: The fully discrete case. 2021 , 155, 184101	4
349	Optimal transportation plans with escort entropy regularization. 1	0
348	Morph & Slerp. 2020 ,	3
347	BOUNDS ON MULTI-ASSET DERIVATIVES VIA NEURAL NETWORKS. 2020 , 23, 2050050	1
346	Cycle-Free CycleGAN Using Invertible Generator for Unsupervised Low-Dose CT Denoising. 2021 , 1-1	4
345	Passive Non-Line-of-Sight Imaging Using Optimal Transport. 2022 , 31, 110-124	0
344	A column generation approach to the discrete barycenter problem. 2022 , 43, 100674	0
343	Surrogate parametric metamodel based on Optimal Transport. 2022 , 194, 36-63	2
342	Convergence of asymptotic costs for random Euclidean matching problems. 2021 , 2, 341-362	0
341	High-dimensional distribution generation through deep neural networks. 2021 , 2, 1	1
340	A Newton Frank-Wolfe method for constrained self-concordant minimization. 1	1
339	Entropic optimal transport: convergence of potentials. 1	2
338	Transport information Bregman divergences. 2021 , 4, 435-470	1
337	Optimal transport problems regularized by generic convex functions: a geometric and algorithmic approach. 1	0
336	Three-dimensional virtual histology of the human hippocampus based on phase-contrast computed tomography. 2021 , 118,	4
335	Domain decomposition for entropy regularized optimal transport. 2021 , 149, 819-870	0

- 334 Optimal transport analysis reveals trajectories in steady-state systems. **2021**, 17, e1009466 2
- 333 Cox Point Process Regression. **2021**, 1-1
- 332 Shared Prior Learning of Energy-Based Models for Image Reconstruction. **2021**, 14, 1706-1748 4
- 331 On realistic generation of new format license plate on vehicle images. **2021**, 193, 190-199 1
- 330 Optimal Multivariate Financial Decision Making.
- 329 Inductive Semi-supervised Learning Through Optimal Transport. **2021**, 668-675 1
- 328 The Linearized Hellinger--Kantorovich Distance. **2022**, 15, 45-83 2
- 327 Sliced Wasserstein Distance for Neural Style Transfer. **2022**, 102, 89-98 0
- 326 Learning interlaced sparse Sinkhorn matching network for video super-resolution. **2022**, 124, 108475 0
- 325 Bio-inspired Structure Identification in Language Embeddings. **2020**, 1
- 324 Toward Unsupervised Graph Neural Network: Interactive Clustering and Embedding via Optimal Transport. 1
- 323 Learning Wasserstein Isometric Embedding for Point Clouds. **2020**,
- 322 Optimal Sensor Placement by Distribution Based Multiobjective Evolutionary Optimization. **2021**, 315-332
- 321 DeepParticle: Learning Invariant Measure by a Deep Neural Network Minimizing Wasserstein Distance on Data Generated from an Interacting Particle Method.
- 320 Sliced \mathcal{L}_2 Distance for Colour Grading. **2021**,
- 319 Convex Clustering for Multistatic Active Sensing via Optimal Mass Transport. **2021**,
- 318 Machine learning meets distinctness in variety testing. **2021**, 0
- 317 A unified framework for non-negative matrix and tensor factorisations with a smoothed Wasserstein loss. **2021**, 1

316	Dynamic inference of cell developmental complex energy landscape from time series single-cell transcriptomic data.. 2022 , 18, e1009821	0
315	Convergence Properties of Optimal Transport-Based Temporal Networks. 2022 , 578-592	1
314	Towards interpreting deep neural networks via layer behavior understanding. 1	1
313	Learning Airfoil Manifolds with Optimal Transport. 2022 ,	
312	SCOT: Single-Cell Multi-Omics Alignment with Optimal Transport.. 2022 , 29, 3-18	4
311	Dynamic multi-agent assignment via discrete optimal transport. 2022 , 1-1	
310	Generative Models and Unsupervised Learning. 2022 , 267-313	
309	Emergent Sasaki-Einstein geometry and AdS/CFT.. 2022 , 13, 365	0
308	Finite Sample Approximations of Exact and Entropic Wasserstein Distances Between Covariance Operators and Gaussian Processes. 2022 , 10, 96-124	
307	Selecting molecules with diverse structures and properties by maximizing submodular functions of descriptors learned with graph neural networks.. 2022 , 12, 1124	0
306	A novel W1 approach to shape optimisation with Lipschitz domains. 2022 , 28, 2	2
305	Efficient Fully Distribution-Free Center-Outward Rank Tests for Multiple-Output Regression and MANOVA. 1-43	3
304	Learning Scene Dynamics from Point Cloud Sequences. 2022 , 130, 669	2
303	Discriminative clustering with representation learning with any ratio of labeled to unlabeled data. 2022 , 32, 1	
302	CorrIndex: A permutation invariant performance index. 2022 , 195, 108457	2
301	A brief survey on Computational Gromov-Wasserstein distance. 2022 , 199, 697-702	1
300	A distributed service-matching coverage via heterogeneous agents. 2022 , 1-1	0
299	Optimal Transport improves cell-cell similarity inference in single-cell omics data.. 2022 ,	0

298	Image Generation Using Continuous Conditional Generative Adversarial Networks. 2022 , 87-113	6
297	Image-Text Embedding Learning via Visual and Textual Semantic Reasoning.. 2022 , PP,	2
296	Order-Dispatching Strategy Induced by Optimal Transport Plan for an Online Ride-Hailing System. 036119812110731	
295	Stochastic saddle-point optimization for the Wasserstein barycenter problem. 1	0
294	Wasserstein Barycenters Are NP-Hard to Compute. 2022 , 4, 179-203	1
293	Model Compression Using Optimal Transport. 2022 ,	
292	Minimax confidence intervals for the Sliced Wasserstein distance. 2022 , 16,	
291	Training a Task-Specific Image Reconstruction Loss. 2022 ,	1
290	Self-supervised Video Representation Learning with Cross-Stream Prototypical Contrasting. 2022 ,	1
289	Comparing Learning Methodologies for Self-Supervised Audio-Visual Representation Learning. 2022 , 1-1	0
288	Bayesian semiparametric modelling of phase-varying point processes. 2022 , 16,	0
287	Obstructions to extension of Wasserstein distances for variable masses.	
286	Ensemble Riemannian data assimilation: towards large-scale dynamical systems. 2022 , 29, 77-92	0
285	CoSpar identifies early cell fate biases from single-cell transcriptomic and lineage information.. 2022 ,	0
284	Randomized Wasserstein Barycenter Computation: Resampling with Statistical Guarantees. 2022 , 4, 229-259	0
283	Long-time Behaviour of Entropic Interpolations. 1	
282	Proxying credit curves via Wasserstein distances.. 2022 , 1-17	
281	Entropic Regularization in Hierarchical Games. 2022 , 3, 1	

280	Deep treatment-adaptive network for causal inference. 1	1
279	Asymptotics for Semidiscrete Entropic Optimal Transport. 2022 , 54, 1718-1741	1
278	Predicting microbiome compositions from species assemblages through deep learning. 2022 , 1,	1
277	Application of an unbalanced optimal transport distance and a mixed L1/Wasserstein distance to full waveform inversion.	
276	Measure estimation on manifolds: an optimal transport approach. 1	0
275	Arbitrary style transfer with attentional networks via unbalanced optimal transport.	
274	SISTA : Learning Optimal Transport Costs under Sparsity Constraints.	
273	Constrained overdamped Langevin dynamics for symmetric multimarginal optimal transportation. 2022 , 32, 403-455	
272	Counterfactual Models for Fair and Adequate Explanations. 2022 , 4, 316-349	
271	A Machine Learning Approach to Classification for Traders in Financial Markets.	
270	Accelerated Optimization in the PDE Framework: Formulations for the Manifold of Diffeomorphisms. 2022 , 15, 324-366	
269	Semi-discrete Optimization Through Semi-discrete Optimal Transport: A Framework for Neural Architecture Search. 2022 , 32, 1	
268	Decomposed-distance weighted optimal transport for unsupervised domain adaptation. 1	
267	Visual Domain Adaptation in the Deep Learning Era. 2022 , 11, 1-190	
266	Improved Real-Time Traffic Obstacle Detection and Classification Method Applied in Intelligent and Connected Vehicles in Mixed Traffic Environment. 2022 , 2022, 1-12	0
265	Computational optimal transport for molecular spectra: The semi-discrete case.. 2022 , 156, 134117	1
264	Multivariate ranks and quantiles using optimal transport: Consistency, rates and nonparametric testing. 2022 , 50,	3
263	Why is a document relevant? Understanding the relevance scores in cross-lingual document retrieval. 2022 , 244, 108545	0

262	Revisiting Stereo Depth Estimation From a Sequence-to-Sequence Perspective with Transformers. 2021,	23
261	Towards A Universal Model for Cross-Dataset Crowd Counting. 2021,	1
260	ICON: Learning Regular Maps Through Inverse Consistency.. 2021, 2021, 3376-3385	0
259	SOMA: Solving Optical Marker-Based MoCap Automatically. 2021,	0
258	Adaptive Hierarchical Graph Reasoning with Semantic Coherence for Video-and-Language Inference. 2021,	2
257	Deep Transport Network for Unsupervised Video Object Segmentation. 2021,	4
256	Optimization of the Diffusion Time in Graph Diffused-Wasserstein Distances: Application to Domain Adaptation. 2021,	
255	Bridging Bayesian and Minimax Mean Square Error Estimation via Wasserstein Distributionally Robust Optimization.	3
254	Memo for the 2021 SIGGRAPH course Computational Optimal Transport. 2021,	
253	Variational Monocular Depth Estimation for Reliability Prediction. 2021,	0
252	Efficient computations of multi-species mean field games via graph-structured optimal transport. 2021,	
251	Probability Distribution Control of Finite-State Markov Chains with Wasserstein Costs and Application to Operation of Car-Sharing Services. 2021,	
250	Efficient Robust Optimal Transport with Application to Multi-Label Classification. 2021,	
249	Monitoring Weeder Robots and Anticipating Their Functioning by Using Advanced Topological Data Analysis.. 2021, 4, 761123	
248	Approximate continuous optimal transport with copulas.	
247	Subspace Detours Meet Gromov-Wasserstein. 2021, 14, 366	
246	Predicting Trust Using Automated Assessment of Multivariate Interactional Synchrony. 2021,	
245	Sensitivity analysis of Wasserstein distributionally robust optimization problems.. 2021, 477, 20210176	1

244 A note on overrelaxation in the Sinkhorn algorithm. 1

243 OUP accepted manuscript. 2

242 OUP accepted manuscript.

241 Optimal Transportation Particle Filter for Linear Filtering Systems with Correlated Noises. **2022**, 1-1 0

240 Real-World super-resolution under the guidance of optimal transport. **2022**, 33,

239 Orlicz Space Regularization of Continuous Optimal Transport Problems. **2022**, 85, 1 0

238 OUP accepted manuscript. 0

237 On the quadratic random matching problem in two-dimensional domains. **2022**, 27,

236 Utility/privacy trade-off as regularized optimal transport.

235 Limit laws for empirical optimal solutions in random linear programs. 1

234 Regularity properties of the Schrödinger cost..

233 Evaluation of geometric similarity metrics for structural clusters generated using topology optimization. 1

232 Autonomous Search for Polymers with High Thermal Conductivity Using a Rapid GreenKubo Estimation. **2022**, 55, 3384-3395 0

231 MINDSim: User Simulator for News Recommenders. **2022**, 0

230 Block-Coordinate Frank-Wolfe Algorithm And Convergence Analysis For Semi-Relaxed Optimal Transport Problem. **2022**, 1

229 Irregularity Index for Vector-Valued Morphological Operators. 1

228 On the Linear Convergence of the Multimarginal Sinkhorn Algorithm. **2022**, 32, 786-794 2

227 Wasserstein Cross-Lingual Alignment For Named Entity Recognition. **2022**,

- 226 Functional Portfolio Optimization in Stochastic Portfolio Theory. **2022**, 13, 576-618 0
- 225 Projection-based techniques for high-dimensional optimal transport problems. 1
- 224 SELF-LLP: Self-supervised Learning from Label Proportions with Self-ensemble. **2022**, 108767 0
- 223 The Square Root Normal Field Distance and Unbalanced Optimal Transport. **2022**, 85, 1 0
- 222 Stochastic zeroth-order discretizations of Langevin diffusions for Bayesian inference. **2022**, 28, 0
- 221 Information geometry of operator scaling. **2022**, 0
- 220 An Optimal Transport Framework for Collaborative Multi-view Clustering. **2022**, 131-157
- 219 Geometric methods for sampling, optimization, inference, and adaptive agents. **2022**, 2
- 218 DeepParticle: Learning invariant measure by a deep neural network minimizing Wasserstein distance on data generated from an interacting particle method. **2022**, 464, 111309
- 217 Accurate Baryon Acoustic Oscillations Reconstruction via Semidiscrete Optimal Transport. **2022**, 128, 0
- 216 Enhanced Robotic Teleoperation in Construction Using a GAN-Based Physiological Signal Augmentation Framework. **2023**, 295-307 0
- 215 A convolutional generative adversarial framework for data augmentation based on a robust optimal transport metric. **2021**,
- 214 On the Impact of the Embedding Process on Network Resilience Quantification. **2021**,
- 213 The Statistics of Circular Optimal Transport. **2022**, 57-82 0
- 212 Sinkhorn Adversarial Attack and Defense. **2022**, 31, 4039-4049
- 211 Cluster-memory Augmented Deep Autoencoder via Optimal Transportation for Hyperspectral Anomaly Detection. **2022**, 1-1 2
- 210 Modeling of Spatial-Temporal Dependency in Traffic Flow Data for Traffic Forecasting.
- 209 A unifying framework for some directed distances in statistics. **2022**, 1

- 208 Collaborative Learning for Large-Scale Discrete Optimal Transport under Incomplete Populational Information. **2022**,
- 207 Deterministic, near-linear ϵ -approximation algorithm for geometric bipartite matching. **2022**,
- 206 Minimax estimation of smooth densities in Wasserstein distance. **2022**, 50,
- 205 Low-Dose Sparse-View HAADF-STEM-EDX Tomography of Nanocrystals Using Unsupervised Deep Learning. 1
- 204 Extending the Fisher Information Matrix in Gravitational-wave Data Analysis. **2022**, 932, 102 0
- 203 Learning quantum data with the quantum Earth Mover distance. 1
- 202 A General Framework for Learning Mean-Field Games.
- 201 Seeing the forest and the tree: Building representations of both individual and collective dynamics with transformers.
- 200 The performance of deep generative models for learning joint embeddings of single-cell multi-omics data. 0
- 199 An optimal transport approach for selecting a representative subsample with application in efficient kernel density estimation. 1-26 0
- 198 Measuring linear correlation between random vectors. **2022**,
- 197 Approximate Wasserstein attraction flows for dynamic mass transport over networks. **2022**, 143, 110432 0
- 196 DICDP: Deep Incomplete Clustering with Distribution Preserving. **2022**, 162-175
- 195 Efficient Learning of the Parameters of Non-linear Models Using Differentiable Resampling in Particle Filters. **2022**, 1-16 0
- 194 Generative Stochastic Modeling of Strongly Nonlinear Flows with Non-Gaussian Statistics. **2022**, 10, 555-583
- 193 When optimal transport meets information geometry. **2022**, 5, 47-78 0
- 192 \mathbb{K} -Variance: A Clustered Notion of Variance. **2022**, 4, 957-978
- 191 A GPM-based algorithm for solving regularized Wasserstein barycenter problems in some spaces of probability measures. **2022**, 114588

190	Human-Centric Robotic Manipulation in Construction: Generative Adversarial Networks (GAN) based Physiological Computing Mechanism to Enable Robots to Perceive Workers' Cognitive Load.	0
189	Bregman Proximal Point Algorithm Revisited: A New Inexact Version and Its Inertial Variant. 2022 , 32, 1523-1554	0
188	Explainable Legal Case Matching via Inverse Optimal Transport-based Rationale Extraction. 2022 ,	1
187	Improving Item Cold-start Recommendation via Model-agnostic Conditional Variational Autoencoder. 2022 ,	0
186	Stability of entropic optimal transport and Schrödinger bridges. 2022 , 109622	3
185	Detecting tiny objects in aerial images: A normalized Wasserstein distance and a new benchmark. 2022 , 190, 79-93	5
184	Information geometry of physics-informed statistical manifolds and its use in data assimilation. 2022 , 467, 111438	1
183	Cross Atlas Remapping via Optimal Transport (CAROT): Creating connectomes for any atlas when raw data is not available.	0
182	Diagonal Scalings for the Eigenstructure of Arbitrary Pencils. 2022 , 43, 1213-1237	
181	The power particle-in-cell method. 2022 , 41, 1-13	0
180	Cross-domain fault diagnosis through optimal transport for a CSTR process. 2022 , 55, 946-951	0
179	Towards Explaining Image-Based Distribution Shifts. 2022 ,	
178	Neural Estimation of the Rate-Distortion Function for Massive Datasets. 2022 ,	
177	Class-rebalanced wasserstein distance for multi-source domain adaptation.	
176	Cortically Based Optimal Transport.	
175	Semi-discrete optimal transport: hardness, regularization and numerical solution.	1
174	Spatial-Temporal Alignment via Optimal Transport for Video-Text Retrieval. 2022 ,	
173	Design-while-verify. 2022 ,	2

- 172 Screening cell-cell communication in spatial transcriptomics via collective optimal transport. ○
- 171 FGL-GAN: Global-Local Mask Generative Adversarial Network for Flame Image Composition. **2022**, 22, 6332 ○
- 170 Self-Supervised Learning for Scene Classification in Remote Sensing: Current State of the Art and Perspectives. **2022**, 14, 3995
- 169 Nonlinearity Encoding for Extrapolation of Neural Networks. **2022**,
- 168 On the robustness of randomized classifiers to adversarial examples.
- 167 Entropy-Transport distances between unbalanced metric measure spaces.
- 166 Gromov-Wasserstein distances between Gaussian distributions. 1-21
- 165 Distance distributions and inverse problems for metric measure spaces. 1
- 164 Entropic Regularization of NonGradient Systems. **2022**, 54, 4495-4535
- 163 Approximating Min-Mean-Cycle for Low-Diameter Graphs in Near-Optimal Time and Memory. **2022**, 32, 1791-1816
- 162 Deciphering causal genomic templates of complex molecular phenotypes.
- 161 Geometric prior of multi-resolution yielding manifolds and the local closest point projection for nearly non-smooth plasticity. **2022**, 400, 115469 ○
- 160 Interpretable domain adaptation using unsupervised feature selection on pre-trained source models. **2022**, 511, 319-336 ○
- 159 Estimation of Wasserstein distances in the Spiked Transport Model. **2022**, 28, 1
- 158 Graph Convolutional Optimal Transport for Hyperspectral Image Spectral Clustering. **2022**, 60, 1-13 ○
- 157 Permute Me Softly: Learning Soft Permutations for Graph Representations. **2022**, 1-12 ○
- 156 Combining Multiple Atlases to Estimate Data-Driven Mappings Between Functional Connectomes Using Optimal Transport. **2022**, 386-395 ○
- 155 Transport-based Anatomical-Functional Metric Learning for Liver Tumor Recognition using Dual-view Dynamic CEUS Imaging. **2022**, 1-12 ○

154	Recent Theoretical Advances in Decentralized Distributed Convex Optimization. 2022 , 253-325	1
153	Blind Single Image Super-Resolution via Iterated Shared Prior Learning. 2022 , 151-165	0
152	Entropic turnpike estimates for the kinetic Schrödinger problem. 2022 , 27,	0
151	Operator-splitting schemes for degenerate, non-local, conservative-dissipative systems. 2022 , 42, 5453	0
150	PolyWorld: Polygonal Building Extraction with Graph Neural Networks in Satellite Images. 2022 ,	1
149	SceneSqueezer: Learning to Compress Scene for Camera Relocalization. 2022 ,	1
148	DR.VIC: Decomposition and Reasoning for Video Individual Counting. 2022 ,	0
147	Joint Distribution Matters: Deep Brownian Distance Covariance for Few-Shot Classification. 2022 ,	6
146	FS6D: Few-Shot 6D Pose Estimation of Novel Objects. 2022 ,	2
145	A Unified Framework for Implicit Sinkhorn Differentiation. 2022 ,	0
144	Modulated Contrast for Versatile Image Synthesis. 2022 ,	2
143	Sinkhorn MPC: Model predictive optimal transport over dynamical systems*. 2022 ,	0
142	TO-FLOW: Efficient Continuous Normalizing Flows with Temporal Optimization adjoint with Moving Speed. 2022 ,	0
141	Crowd Counting in the Frequency Domain. 2022 ,	0
140	Incremental Unsupervised Domain Adaptation Through Optimal Transport. 2022 ,	0
139	Wasserstein Metric Attack on Person Re-identification. 2022 ,	0
138	Distributional learning in multi-objective optimization of recommender systems.	0
137	Accelerating the Sinkhorn Algorithm for Sparse Multi-Marginal Optimal Transport via Fast Fourier Transforms. 2022 , 15, 311	0

136	Hierarchical optimal transport for unsupervised domain adaptation.	0
135	Optimal Multivariate Financial Decision Making. 2022 ,	0
134	MHA-WoML: Multi-head attention and Wasserstein-OT for few-shot learning.	0
133	A hierarchically low-rank optimal transport dissimilarity measure for structured data.	0
132	Intrinsic Sparsity of Kantorovich solutions. 2022 , 360, 1173-1175	0
131	Hybrid twins based on optimal transport. 2022 , 127, 12-24	0
130	Multi-target association algorithm of AIS-radar tracks using graph matching-based deep neural network. 2022 , 266, 112208	0
129	Mapping of coherent structures in parameterized flows by learning optimal transportation with Gaussian models. 2022 , 471, 111671	0
128	On Some Connections Between Esscher Tilting, Saddlepoint Approximations, and Optimal Transportation: A Statistical Perspective. 2022 , -1,	0
127	Generative Subgraph Contrast for Self-Supervised Graph Representation Learning. 2022 , 91-107	0
126	Alignstein: Optimal transport for improved LC-MS retention time alignment. 2022 , 11,	1
125	Entropic optimal transport: Geometry and large deviations. 2022 , -1,	1
124	Deep Targeted Transfer Learning along Designable Adaptation Trajectory for Fault Diagnosis across Different Machines. 2022 , 1-11	1
123	Auto-regressive Image Synthesis with Integrated Quantization. 2022 , 110-127	0
122	Gromov-Wasserstein Guided Representation Learning for Cross-Domain Recommendation. 2022 ,	0
121	Cyclical Fusion: Accurate 3D Reconstruction via Cyclical Monotonicity. 2022 ,	0
120	Learning to Generate Wasserstein Barycenters.	0
119	Bilevel optimization in flow networks: A message-passing approach. 2022 , 106,	0

118	Associating somatic mutation with clinical outcomes through kernel regression and optimal transport.	0
117	Transformer Based Binocular Disparity Prediction with Occlusion Predict and Novel Full Connection Layers. 2022 , 22, 7577	0
116	Quantum earth mover's distance, a no-go quantum Kantorovich-Rubinstein theorem, and quantum marginal problem. 2022 , 63, 102201	0
115	New Primal-Dual Algorithms for a Class of Nonsmooth and Nonlinear Convex-Concave Minimax Problems. 2022 , 32, 2580-2611	0
114	DeepWSD: Projecting Degradations in Perceptual Space to Wasserstein Distance in Deep Feature Space. 2022 ,	0
113	Assessment of goodness of fit of income distribution in France and Germany based on the Zenga distribution.	0
112	Finding Heterophilic Neighbors via Confidence-based Subgraph Matching for Semi-supervised Node Classification. 2022 ,	0
111	The performance of deep generative models for learning joint embeddings of single-cell multi-omics data. 9,	0
110	3d virtual histology reveals pathological alterations of cerebellar granule cells in multiple sclerosis.	0
109	VMRF: View Matching Neural Radiance Fields. 2022 ,	0
108	Supervised Optimal Transport. 2022 , 82, 1851-1877	0
107	Riemannian block SPD coupling manifold and its application to optimal transport.	0
106	Weakly-Supervised Temporal Action Alignment Driven by Unbalanced Spectral Fused Gromov-Wasserstein Distance. 2022 ,	1
105	The SPDE Approach to Mat \mathbb{F}_n Fields: Graph Representations. 2022 , 37,	1
104	Statistical proofs of the interdependence between nearest neighbor effects on polypeptide backbone conformations. 2022 , 214, 107907	1
103	Tunable image quality control of 3-D ultrasound using switchable CycleGAN. 2023 , 83, 102651	0
102	Rank-based testing for semiparametric VAR models: A measure transportation approach. 2023 , 29,	1
101	Discrete-Constrained Regression for Local Counting Models. 2022 , 621-636	0

100	RFLA: Gaussian Receptive Field Based Label Assignment for Tiny Object Detection. 2022 , 526-543	4
99	G2DA: Geometry-guided dual-alignment learning for RGB-infrared person re-identification. 2023 , 135, 109150	0
98	Jointly aligning cells and genomic features of single-cell multi-omics data with co-optimal transport.	0
97	Recovering a Metric from Its Full Ordinal Information.	0
96	transmorph: a unifying computational framework for single-cell data integration.	0
95	Kantorovich-Rubinstein Distance and Barycenter for Finitely Supported Measures: Foundations and Algorithms. 2023 , 87,	0
94	Quantitative Stability of Regularized Optimal Transport and Convergence of Sinkhorn's Algorithm. 2022 , 54, 5922-5948	1
93	The Unreasonable Effectiveness of the Wasserstein Distance in Analyzing Key Performance Indicators of a Network of Stores. 2022 , 6, 138	0
92	Bayesian learning with Wasserstein barycenters.	0
91	Towards solving NLP tasks with optimal transport loss. 2022 ,	0
90	Unbalanced Optimal Transport, from theory to numerics. 2022 ,	1
89	Scaling positive random matrices: concentration and asymptotic convergence. 2022 , 27,	0
88	Optimal Transport Guided Node Classification in Cross Networks. 2022 , 214, 1160-1167	0
87	Cross-Domain Lossy Compression as Entropy Constrained Optimal Transport. 2022 , 1-1	0
86	Optimal Transport for Super Resolution Applied to Astronomy Imaging. 2022 ,	0
85	Auto-weighted Sequential Wasserstein Distance and Application to Sequence Matching. 2022 ,	0
84	A differentiable approximation for the Linear Sum Assignment Problem with Edition. 2022 ,	0
83	A Learning Method for Feature Correspondence with Outliers. 2022 ,	0

82	Training a Machine Learning Model for Underwater Chemical Source Localization in Simulated Turbulent Flows. 2022,	0
81	Affine statistical bundle modeled on a Gaussian Orlicz-Bobolev space.	0
80	Differentiable Rendering Using RGBXY Derivatives and Optimal Transport. 2022, 41, 1-13	0
79	Relative entropy-regularized optimal transport on a graph: a new algorithm and an experimental comparison.	1
78	A unified derivation of Voronoi, power, and finite-element Lagrangian computational fluid dynamics. 2022,	0
77	Detection of Patient-Level distances from single cell genomics and pathomics data with Optimal Transport (PILOT).	0
76	Learning Geometric Feature Embedding with Transformers for Image Matching. 2022, 22, 9882	0
75	Optimal Transport Reconstruction of Baryon Acoustic Oscillations. 2022, 129,	0
74	Illuminating protein space with a programmable generative model.	1
73	Statistical tests to detect differences between codon-specific Ramachandran plots.	0
72	A family of pairwise multi-marginal optimal transports that define a generalized metric.	0
71	Hellinger-Kantorovich barycenter between Dirac measures.	0
70	WASCO: A Wasserstein-based statistical tool to compare conformational ensembles of intrinsically disordered proteins.	0
69	Robust federated learning under statistical heterogeneity via hessian-weighted aggregation.	0
68	Comment on Geophysical inversion and optimal transport by M. Sambridge, A. Jackson, and A. P. Valentine.	0
67	Efficient Approximation of Gromov-Wasserstein Distance Using Importance Sparsification. 1-25	0
66	PASTE2: Partial Alignment of Multi-slice Spatially Resolved Transcriptomics Data.	0
65	Convergence properties of optimal transport-based temporal hypergraphs. 2023, 8,	0

- 64 Scenario reduction and scenario tree generation for stochastic programming using Sinkhorn distance. **2023**, 170, 108122 ○
- 63 Renaissance Robot: Optimal Transport Policy Fusion for Learning Diverse Skills. **2022**, ○
- 62 Transfer learning considering the impact of data augmentation on each layer of the source model. **2022**, ○
- 61 Domain Adaptation Principal Component Analysis: Base Linear Method for Learning with Out-of-Distribution Data. **2023**, 25, 33 ○
- 60 An Optimal Transport Formulation of BayesLaw for Nonlinear Filtering Algorithms. **2022**, ○
- 59 An Optimal Transport Approach to the Computation of the LM Rate. **2022**, ○
- 58 Bayesian Optimization in Wasserstein Spaces. **2022**, 248-262 ○
- 57 Design and analysis of computer experiments with both numeral and distributional inputs. 1-22 ○
- 56 Generalized Normalizing Flows via Markov Chains. **2023**, ○
- 55 Self-Attention Message Passing for Contrastive Few-Shot Learning. **2023**, ○
- 54 Overlap-guided Gaussian Mixture Models for Point Cloud Registration. **2023**, ○
- 53 On the Discriminability of Samples Using Binarized ReLU Activations. **2023**, 65-71 ○
- 52 Multiple Oracle Algorithm to Solve Continuous Games. **2023**, 149-167 ○
- 51 A mathematical method and software for spatially mapping intercellular communication. **2023**, 20, 185-186 ○
- 50 Generative Colorization of Structured Mobile Web Pages. **2023**, ○
- 49 Screening cell-cell communication in spatial transcriptomics via collective optimal transport. **2023**, 20, 218-228 ○
- 48 Optimal Transport in Location-Allocation Problems. **2023**, 1-7 ○
- 47 Wassersplines for Neural Vector Field-Controlled Animation. **2022**, 41, 31-41 ○

- 46 Bottlenecks CLUB: Unifying Information-Theoretic Trade-Offs Among Complexity, Leakage, and Utility. **2023**, 18, 2060-2075 ○
- 45 Taming hyperparameter tuning in continuous normalizing flows using the JKO scheme. **2023**, 13, ○
- 44 Short Communication: Weak Sparse Superresolution is Well-Conditioned. **2023**, 16, SC1-SC13 1
- 43 A Spatial Pareto Exchange Economy Problem. **2023**, 87, ○
- 42 LLP-AAE: Learning from label proportions with adversarial autoencoder. **2023**, 537, 282-295 ○
- 41 Entropic model predictive optimal transport over dynamical systems. **2023**, 152, 110980 ○
- 40 Characterization of Gromov-type geodesics. **2023**, 88, 102006 ○
- 39 Mapping lineage-traced cells across time points with moslin. ○
- 38 Category-aware optimal transport for incomplete data classification. **2023**, 634, 443-476 ○
- 37 Low-Rank Tensor Approximations for Solving Multimarginal Optimal Transport Problems. **2023**, 16, 169-191 ○
- 36 Diffeomorphic Registration Using Sinkhorn Divergences. **2023**, 16, 250-279 ○
- 35 Stacking multiple optimal transport policies to map functional connectomes. ○
- 34 A Score-Based Approach for Training Schrödinger Bridges for Data Modelling. **2023**, 25, 316 ○
- 33 Stability of Schrödinger potentials and convergence of Sinkhorn algorithm. **2023**, 51, ○
- 32 Computational framework decomposes and annotates single-cell and spatial omics. ○
- 31 Wasserstein Distance for Attention based cross modality Person Re-Identification. **2022**, ○
- 30 Entropy-regularized Wasserstein distributionally robust shape and topology optimization. **2023**, 66, ○
- 29 REDUCING RECOMMENDATION INEQUALITY VIA TWO-SIDED MATCHING: A FIELD EXPERIMENT OF ONLINE DATING. ○

- 28 Scalable Model-Free Feature Screening via Sliced-Wasserstein Dependency. 1-11
- 27 An efficient implementable inexact entropic proximal point algorithm for a class of linear programming problems. **2023**, 85, 107-146
- 26 Immiscible color flows in optimal transport networks for image classification. 11,
- 25 Asymptotic analysis of domain decomposition for optimal transport. **2023**, 153, 451-492
- 24 Simple approximative algorithms for free-support Wasserstein barycenters. **2023**, 85, 213-246
- 23 Unified, Geometric Framework for Nonequilibrium Protocol Optimization. **2023**, 130,
- 22 Hydrological objective functions and ensemble averaging with the Wasserstein distance. **2023**, 27, 991-1010
- 21 Adversarial Projections to Tackle Support-Query Shifts in Few-Shot Meta-Learning. **2023**, 615-630
- 20 Active learning and novel model calibration measurements for automated visual inspection in manufacturing.
- 19 WASCO: A Wasserstein-based Statistical Tool to Compare Conformational Ensembles of Intrinsically Disordered Proteins. **2023**, 168053
- 18 Geometric Averages of Partitioned Datasets. **2023**, 7, 104-132
- 17 Convergence rate of general entropic optimal transport costs. **2023**, 62,
- 16 Feature-Robust Optimal Transport for High-Dimensional Data. **2023**, 291-307
- 15 Learning Optimal Transport Between Two Empirical Distributions with Normalizing Flows. **2023**, 275-290
- 14 Diffusion Transport Alignment. **2023**, 116-129
- 13 Accounting for meteorological biases in simulated plumes using smarter metrics. **2023**, 16, 1745-1766
- 12 Clustering future scenarios based on predicted range maps.
- 11 Stochastic modeling of a gene regulatory network driving B cell development in germinal centers.

- 10 Stacking multiple optimal transport policies to map functional connectomes. **2023**, ○
- 9 DiSECT: a differentiable simulator for parameter inference and control in robotic cutting. ○
- 8 3d Virtual Histology Reveals Pathological Alterations of Cerebellar Granule Cells in Multiple Sclerosis. **2023**, 520, 18-38 ○
- 7 Approximating Element-Wise Functions of Matrix with Improved Streaming Randomized SVD. **2022**, ○
- 6 Spatial Multivariate Morphing Transformation. ○
- 5 ??????????Fujita-Ogawa?????????. **2023**, 79, n/a ○
- 4 Sensorimotor Simulation of Redirected Reaching using Stochastic Optimal Feedback Control. **2023**, ○
- 3 Bridging mean-field games and normalizing flows with trajectory regularization. **2023**, 112155 ○
- 2 Increasing reliability of price signals in long term energy management problems. ○
- 1 Barycentric-alignment and Reconstruction Loss Minimization for Domain Generalization. **2023**, 1-1 ○