

Dinh Phung

List of Publications by Year in Descending Order

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

172
papers

2,700
citations

23
h-index

47
g-index

187
ext. papers

3,590
ext. citations

3
avg, IF

5.45
L-index

#	Paper	IF	Citations
172	OptiGAN: Generative Adversarial Networks for Goal Optimized Sequence Generation 2020 ,		3
171	Code Action Network for Binary Function Scope Identification. <i>Lecture Notes in Computer Science</i> , 2020 , 712-725	0.9	0
170	Robust Variational Learning for Multiclass Kernel Models with Stein Refinement. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2020 , 1-1	4.2	1
169	Dual-Component Deep Domain Adaptation: A New Approach for Cross Project Software Vulnerability Detection. <i>Lecture Notes in Computer Science</i> , 2020 , 699-711	0.9	1
168	Improving Adversarial Robustness by Enforcing Local and Global Compactness. <i>Lecture Notes in Computer Science</i> , 2020 , 209-223	0.9	3
167	Pair-based Uncertainty and Diversity Promoting Early Active Learning for Person Re-identification. <i>ACM Transactions on Intelligent Systems and Technology</i> , 2020 , 11, 1-15	8	9
166	Deep Cost-Sensitive Kernel Machine for Binary Software Vulnerability Detection. <i>Lecture Notes in Computer Science</i> , 2020 , 164-177	0.9	2
165	Stein Variational Gradient Descent with Variance Reduction 2020 ,		1
164	Using spatiotemporal distribution of geocoded Twitter data to predict US county-level health indices. <i>Future Generation Computer Systems</i> , 2020 , 110, 620-628	7.5	5
163	An effective spatial-temporal attention based neural network for traffic flow prediction. <i>Transportation Research Part C: Emerging Technologies</i> , 2019 , 108, 12-28	8.4	91
162	GoGP: scalable geometric-based Gaussian process for online regression. <i>Knowledge and Information Systems</i> , 2019 , 60, 197-226	2.4	2
161	Deep Domain Adaptation for Vulnerable Code Function Identification 2019 ,		4
160	Usefulness of Wearable Cameras as a Tool to Enhance Chronic Disease Self-Management: Scoping Review. <i>JMIR MHealth and UHealth</i> , 2019 , 7, e10371	5.5	9
159	Learning Generative Adversarial Networks from Multiple Data Sources 2019 ,		2
158	Sqn2Vec: Learning Sequence Representation via Sequential Patterns with a Gap Constraint. <i>Lecture Notes in Computer Science</i> , 2019 , 569-584	0.9	6
157	A convolutional neural network-based model for knowledge base completion and its application to search personalization. <i>Semantic Web</i> , 2019 , 10, 947-960	2.4	9
156	Effective Identification of Similar Patients Through Sequential Matching over ICD Code Embedding. <i>Journal of Medical Systems</i> , 2018 , 42, 94	5.1	6

155	Discovering topic structures of a temporally evolving document corpus. <i>Knowledge and Information Systems</i> , 2018 , 55, 599-632	2.4	12
154	Academia versus social media: A psycho-linguistic analysis. <i>Journal of Computational Science</i> , 2018 , 25, 228-237	3.4	1
153	Model-based learning for point pattern data. <i>Pattern Recognition</i> , 2018 , 84, 136-151	7.7	11
152	Robust Bayesian Kernel Machine via Stein Variational Gradient Descent for Big Data 2018 ,		5
151	Geometric Enclosing Networks 2018 ,		2
150	Jointly Predicting Affective and Mental Health Scores Using Deep Neural Networks of Visual Cues on the Web. <i>Lecture Notes in Computer Science</i> , 2018 , 100-110	0.9	1
149	LTARM: A novel temporal association rule mining method to understand toxicities in a routine cancer treatment. <i>Knowledge-Based Systems</i> , 2018 , 161, 313-328	7.3	12
148	Learning Graph Representation via Frequent Subgraphs 2018 , 306-314		17
147	Using linguistic and topic analysis to classify sub-groups of online depression communities. <i>Multimedia Tools and Applications</i> , 2017 , 76, 10653-10676	2.5	33
146	Hierarchical semi-Markov conditional random fields for deep recursive sequential data. <i>Artificial Intelligence</i> , 2017 , 246, 53-85	3.6	2
145	Streaming clustering with Bayesian nonparametric models. <i>Neurocomputing</i> , 2017 , 258, 52-62	5.4	6
144	Prediction of Population Health Indices from Social Media using Kernel-based Textual and Temporal Features 2017 ,		8
143	Predicting healthcare trajectories from medical records: A deep learning approach. <i>Journal of Biomedical Informatics</i> , 2017 , 69, 218-229	10.2	199
142	Energy-Based Localized Anomaly Detection in Video Surveillance. <i>Lecture Notes in Computer Science</i> , 2017 , 641-653	0.9	10
141	Estimation of the prevalence of adverse drug reactions from social media. <i>International Journal of Medical Informatics</i> , 2017 , 102, 130-137	5.3	26
140	A Framework for Mixed-Type Multioutcome Prediction With Applications in Healthcare. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2017 , 21, 1182-1191	7.2	7
139	Latent sentiment topic modelling and nonparametric discovery of online mental health-related communities. <i>International Journal of Data Science and Analytics</i> , 2017 , 4, 209-231	2	4
138	Effective sparse imputation of patient conditions in electronic medical records for emergency risk predictions. <i>Knowledge and Information Systems</i> , 2017 , 53, 179-206	2.4	9

137	Kernel-based features for predicting population health indices from geocoded social media data. <i>Decision Support Systems</i> , 2017 , 102, 22-31	5.6	16
136	Nonparametric discovery and analysis of learning patterns and autism subgroups from therapeutic data. <i>Knowledge and Information Systems</i> , 2017 , 51, 127-157	2.4	0
135	A Simultaneous Extraction of Context and Community from pervasive signals using nested Dirichlet process. <i>Pervasive and Mobile Computing</i> , 2017 , 38, 396-417	3.5	1
134	Animal Recognition and Identification with Deep Convolutional Neural Networks for Automated Wildlife Monitoring 2017 ,		41
133	GoGP: Fast Online Regression with Gaussian Processes 2017 ,		5
132	Large-scale Online Kernel Learning with Random Feature Reparameterization 2017 ,		13
131	Data Mining of Intervention for Children with Autism Spectrum Disorder. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2017 , 376-383	0.2	1
130	Estimating Support Scores of Autism Communities in Large-Scale Web Information Systems. <i>Lecture Notes in Computer Science</i> , 2017 , 347-355	0.9	0
129	Graph-induced restricted Boltzmann machines for document modeling. <i>Information Sciences</i> , 2016 , 328, 60-75	7.7	6
128	Modelling human preferences for ranking and collaborative filtering: a probabilistic ordered partition approach. <i>Knowledge and Information Systems</i> , 2016 , 47, 157-188	2.4	4
127	Multiple task transfer learning with small sample sizes. <i>Knowledge and Information Systems</i> , 2016 , 46, 315-342	2.4	21
126	Data clustering using side information dependent Chinese restaurant processes. <i>Knowledge and Information Systems</i> , 2016 , 47, 463-488	2.4	5
125	Dirichlet Process Mixture Models with Pairwise Constraints for Data Clustering. <i>Annals of Data Science</i> , 2016 , 3, 205-223	1.6	1
124	Collaborative filtering via sparse Markov random fields. <i>Information Sciences</i> , 2016 , 369, 221-237	7.7	11
123	Large-Scale Stylistic Analysis of Formality in Academia and Social Media. <i>Lecture Notes in Computer Science</i> , 2016 , 137-145	0.9	1
122	Consistency of the Health of the Nation Outcome Scales (HoNOS) at inpatient-to-community transition. <i>BMJ Open</i> , 2016 , 6, e010732	3	7
121	Stable clinical prediction using graph support vector machines 2016 ,		1
120	Faster training of very deep networks via p-norm gates 2016 ,		6

119	2016,			1
118	Modelling multilevel data in multimedia: A hierarchical factor analysis approach. <i>Multimedia Tools and Applications</i> , 2016 , 75, 4933-4955		2.5	
117	A Framework for Classifying Online Mental Health-Related Communities With an Interest in Depression. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2016 , 20, 1008-15		7.2	27
116	Hierarchical Bayesian nonparametric models for knowledge discovery from electronic medical records. <i>Knowledge-Based Systems</i> , 2016 , 99, 168-182		7.3	15
115	Nonparametric discovery of movement patterns from accelerometer signals. <i>Pattern Recognition Letters</i> , 2016 , 70, 52-58		4.7	5
114	A new transfer learning framework with application to model-agnostic multi-task learning. <i>Knowledge and Information Systems</i> , 2016 , 49, 933-973		2.4	4
113	Stabilizing l1-norm prediction models by supervised feature grouping. <i>Journal of Biomedical Informatics</i> , 2016 , 59, 149-68		10.2	4
112	Guidelines for Developing and Reporting Machine Learning Predictive Models in Biomedical Research: A Multidisciplinary View. <i>Journal of Medical Internet Research</i> , 2016 , 18, e323		7.6	290
111	Forecasting Daily Patient Outflow From a Ward Having No Real-Time Clinical Data. <i>JMIR Medical Informatics</i> , 2016 , 4, e25		3.6	5
110	Discriminative Cues for Different Stages of Smoking Cessation in Online Community. <i>Lecture Notes in Computer Science</i> , 2016 , 146-153		0.9	1
109	Textual Cues for Online Depression in Community and Personal Settings. <i>Lecture Notes in Computer Science</i> , 2016 , 19-34		0.9	2
108	Outlier Detection on Mixed-Type Data: An Energy-Based Approach. <i>Lecture Notes in Computer Science</i> , 2016 , 111-125		0.9	7
107	Learning Multi-faceted Activities from Heterogeneous Data with the Product Space Hierarchical Dirichlet Processes. <i>Lecture Notes in Computer Science</i> , 2016 , 128-140		0.9	
106	Neural Choice by Elimination via Highway Networks. <i>Lecture Notes in Computer Science</i> , 2016 , 15-25		0.9	1
105	Toxicity Prediction in Cancer Using Multiple Instance Learning in a Multi-task Framework. <i>Lecture Notes in Computer Science</i> , 2016 , 152-164		0.9	1
104	Stabilizing Linear Prediction Models Using Autoencoder. <i>Lecture Notes in Computer Science</i> , 2016 , 651-663		0.9	9
103	Computer assisted autism interventions for India 2016,			2
102	Forecasting Patient Outflow from Wards having No Real-Time Clinical Data 2016,			2

101	Model-based classification and novelty detection for point pattern data 2016 ,		3
100	Distributed data augmented support vector machine on Spark 2016 ,		6
99	Transfer learning for rare cancer problems via Discriminative Sparse Gaussian Graphical model 2016 ,		2
98	Exceptional Contrast Set Mining: Moving Beyond the Deluge of the Obvious. <i>Lecture Notes in Computer Science</i> , 2016 , 455-468	0.9	2
97	One-Pass Logistic Regression for Label-Drift and Large-Scale Classification on Distributed Systems 2016 ,		5
96	Analysing the History of Autism Spectrum Disorder Using Topic Models 2016 ,		6
95	Effect of social capital on emotion, language style and latent topics in online depression community 2016 ,		2
94	SECC: Simultaneous extraction of context and community from pervasive signals 2016 ,		6
93	DeepCare: A Deep Dynamic Memory Model for Predictive Medicine. <i>Lecture Notes in Computer Science</i> , 2016 , 30-41	0.9	84
92	Sparse Adaptive Multi-hyperplane Machine. <i>Lecture Notes in Computer Science</i> , 2016 , 27-39	0.9	0
91	Screening for post 32-week preterm birth risk: how helpful is routine perinatal data collection?. <i>Heliyon</i> , 2016 , 2, e00119	3.6	2
90	Discovering latent affective dynamics among individuals in online mental health-related communities 2016 ,		1
89	Tree-based iterated local search for Markov random fields with applications in image analysis. <i>Journal of Heuristics</i> , 2015 , 21, 25-45	1.9	0
88	Learning vector representation of medical objects via EMR-driven nonnegative restricted Boltzmann machines (eNRBM). <i>Journal of Biomedical Informatics</i> , 2015 , 54, 96-105	10.2	79
87	Mixed-norm sparse representation for multi view face recognition. <i>Pattern Recognition</i> , 2015 , 48, 2935-2946	2.7	35
86	Bayesian Nonparametric Approaches to Abnormality Detection in Video Surveillance. <i>Annals of Data Science</i> , 2015 , 2, 21-41	1.6	5
85	Autism Blogs: Expressed Emotion, Language Styles and Concerns in Personal and Community Settings. <i>IEEE Transactions on Affective Computing</i> , 2015 , 6, 312-323	5.7	13
84	Web search activity data accurately predict population chronic disease risk in the USA. <i>Journal of Epidemiology and Community Health</i> , 2015 , 69, 693-9	5.1	12

83	TOBY play-pad application to teach children with ASD - A pilot trial. <i>Developmental Neurorehabilitation</i> , 2015 , 18, 213-7	1.8	11
82	Differentiating Sub-groups of Online Depression-Related Communities Using Textual Cues. <i>Lecture Notes in Computer Science</i> , 2015 , 216-224	0.9	3
81	Understanding Toxicities and Complications of Cancer Treatment: A Data Mining Approach. <i>Lecture Notes in Computer Science</i> , 2015 , 431-443	0.9	
80	Using Twitter to learn about the autism community. <i>Social Network Analysis and Mining</i> , 2015 , 5, 1	2.2	27
79	Stable feature selection for clinical prediction: exploiting ICD tree structure using Tree-Lasso. <i>Journal of Biomedical Informatics</i> , 2015 , 53, 277-90	10.2	41
78	Stabilized sparse ordinal regression for medical risk stratification. <i>Knowledge and Information Systems</i> , 2015 , 43, 555-582	2.4	20
77	A predictive framework for modeling healthcare data with evolving clinical interventions. <i>Statistical Analysis and Data Mining</i> , 2015 , 8, 162-182	1.4	9
76	What shall I share and with Whom? - A Multi-Task Learning Formulation using Multi-Faceted Task Relationships 2015 ,		1
75	Is demography destiny? Application of machine learning techniques to accurately predict population health outcomes from a minimal demographic dataset. <i>PLoS ONE</i> , 2015 , 10, e0125602	3.7	13
74	Exploiting feature relationships towards stable feature selection 2015 ,		4
73	Stabilizing high-dimensional prediction models using feature graphs. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2015 , 19, 1044-52	7.2	20
72	Stable Feature Selection with Support Vector Machines. <i>Lecture Notes in Computer Science</i> , 2015 , 298-308.9		3
71	Visual Object Clustering via Mixed-Norm Regularization 2015 ,		1
70	Overcoming Data Scarcity of Twitter 2015 ,		14
69	2015 ,		2
68	2015 ,		3
67	Continuous discovery of co-location contexts from Bluetooth data. <i>Pervasive and Mobile Computing</i> , 2015 , 16, 286-304	3.5	2
66	Fast One-Class Support Vector Machine for Novelty Detection. <i>Lecture Notes in Computer Science</i> , 2015 , 189-200	0.9	1

65	Small-Variance Asymptotics for Bayesian Nonparametric Models with Constraints. <i>Lecture Notes in Computer Science</i> , 2015 , 92-105	0.9	2
64	Collaborating Differently on Different Topics: A Multi-Relational Approach to Multi-Task Learning. <i>Lecture Notes in Computer Science</i> , 2015 , 303-316	0.9	1
63	A Bayesian Nonparametric Approach to Multilevel Regression. <i>Lecture Notes in Computer Science</i> , 2015 , 330-342	0.9	3
62	Learning Conditional Latent Structures from Multiple Data Sources. <i>Lecture Notes in Computer Science</i> , 2015 , 343-354	0.9	4
61	Hierarchical Dirichlet Process for Tracking Complex Topical Structure Evolution and Its Application to Autism Research Literature. <i>Lecture Notes in Computer Science</i> , 2015 , 550-562	0.9	13
60	Stabilizing Sparse Cox Model Using Statistic and Semantic Structures in Electronic Medical Records. <i>Lecture Notes in Computer Science</i> , 2015 , 331-343	0.9	
59	Learning Entry Profiles of Children with Autism from Multivariate Treatment Information Using Restricted Boltzmann Machines. <i>Lecture Notes in Computer Science</i> , 2015 , 245-257	0.9	1
58	Mood sensing from social media texts and its applications. <i>Knowledge and Information Systems</i> , 2014 , 39, 667-702	2.4	13
57	Affective and Content Analysis of Online Depression Communities. <i>IEEE Transactions on Affective Computing</i> , 2014 , 5, 217-226	5.7	97
56	Predicting unplanned readmission after myocardial infarction from routinely collected administrative hospital data. <i>Australian Health Review</i> , 2014 , 38, 377-82	1.8	29
55	Keeping up with Innovation: A Predictive Framework for Modeling Healthcare Data with Evolving Clinical Interventions 2014 ,		3
54	A Bayesian Nonparametric Framework for Activity Recognition Using Accelerometer Data 2014 ,		6
53	Labeled Random Finite Sets and the Bayes Multi-Target Tracking Filter. <i>IEEE Transactions on Signal Processing</i> , 2014 , 62, 6554-6567	4.8	328
52	Machine-learning prediction of cancer survival: a retrospective study using electronic administrative records and a cancer registry. <i>BMJ Open</i> , 2014 , 4, e004007	3	53
51	Regularizing Topic Discovery in EMRs with Side Information by Using Hierarchical Bayesian Models 2014 ,		2
50	Nonparametric Discovery of Learning Patterns and Autism Subgroups from Therapeutic Data 2014 ,		5
49	Analysis of circadian rhythms from online communities of individuals with affective disorders 2014 ,		1
48	Unsupervised inference of significant locations from WiFi data for understanding human dynamics 2014 ,		3

47	Data-mining twitter and the autism spectrum disorder: A Pilot study 2014 ,		24
46	Risk stratification using data from electronic medical records better predicts suicide risks than clinician assessments. <i>BMC Psychiatry</i> , 2014 , 14, 76	4.2	87
45	A framework for feature extraction from hospital medical data with applications in risk prediction. <i>BMC Bioinformatics</i> , 2014 , 15, 425	3.6	21
44	Individualized arrhythmia detection with ECG signals from wearable devices 2014 ,		4
43	Social reader: towards browsing the social web. <i>Multimedia Tools and Applications</i> , 2014 , 69, 951-990	2.5	2
42	Intervention-Driven Predictive Framework for Modeling Healthcare Data. <i>Lecture Notes in Computer Science</i> , 2014 , 497-508	0.9	1
41	Affective, Linguistic and Topic Patterns in Online Autism Communities. <i>Lecture Notes in Computer Science</i> , 2014 , 474-488	0.9	6
40	Effect of Mood, Social Connectivity and Age in Online Depression Community via Topic and Linguistic Analysis. <i>Lecture Notes in Computer Science</i> , 2014 , 398-407	0.9	12
39	A Matrix Factorization Framework for Jointly Analyzing Multiple Nonnegative Data Sources. <i>Studies in Big Data</i> , 2014 , 151-170	0.9	3
38	Learning Latent Activities from Social Signals with Hierarchical Dirichlet Processes 2014 , 149-174		4
37	iPoll: Automatic Polling Using Online Search. <i>Lecture Notes in Computer Science</i> , 2014 , 266-275	0.9	
36	Event extraction using behaviors of sentiment signals and burst structure in social media. <i>Knowledge and Information Systems</i> , 2013 , 37, 279-304	2.4	21
35	Analysis of psycholinguistic processes and topics in online autism communities 2013 ,		11
34	. <i>IEEE Transactions on Multimedia</i> , 2013 , 15, 1316-1325	6.6	12
33	Learning sparse latent representation and distance metric for image retrieval 2013 ,		1
32	Regularized nonnegative shared subspace learning. <i>Data Mining and Knowledge Discovery</i> , 2013 , 26, 57-976		23
31	Extraction of latent patterns and contexts from social honest signals using hierarchical Dirichlet processes 2013 ,		5
30	TOBY 2013 ,		28

29	An integrated framework for suicide risk prediction 2013 ,		15
28	Sparse Subspace Clustering via Group Sparse Coding 2013 ,		9
27	Latent Patient Profile Modelling and Applications with Mixed-Variate Restricted Boltzmann Machine. <i>Lecture Notes in Computer Science</i> , 2013 , 123-135	0.9	7
26	Topic Model Kernel: An Empirical Study towards Probabilistically Reduced Features for Classification. <i>Lecture Notes in Computer Science</i> , 2013 , 124-131	0.9	1
25	Split-Merge Augmented Gibbs Sampling for Hierarchical Dirichlet Processes. <i>Lecture Notes in Computer Science</i> , 2013 , 546-557	0.9	
24	Clustering Patient Medical Records via Sparse Subspace Representation. <i>Lecture Notes in Computer Science</i> , 2013 , 123-134	0.9	1
23	A Bayesian Nonparametric Joint Factor Model for Learning Shared and Individual Subspaces from Multiple Data Sources 2012 ,		7
22	Funniest thing i've seen since [href="//flic.kr/p/KGEGB] 2012 ,		1
21	Large-scale statistical modeling of motion patterns 2012 ,		3
20	Sparse Subspace Representation for Spectral Document Clustering 2012 ,		1
19	Emotional Reactions to Real-World Events in Social Networks. <i>Lecture Notes in Computer Science</i> , 2012 , 53-64	0.9	2
18	Eventscapes 2011 ,		13
17	A context-sensitive device to help people with autism cope with anxiety 2011 ,		13
16	Cognitive intervention in autism using multimedia stimulus 2011 ,		4
15	A Bayesian Framework for Learning Shared and Individual Subspaces from Multiple Data Sources. <i>Lecture Notes in Computer Science</i> , 2011 , 136-147	0.9	4
14	Prediction of Age, Sentiment, and Connectivity from Social Media Text. <i>Lecture Notes in Computer Science</i> , 2011 , 227-240	0.9	8
13	Discovery of latent subcommunities in a blog's readership. <i>ACM Transactions on the Web</i> , 2010 , 4, 1-30	3.2	6
12	Hyper-community detection in the blogosphere 2010 ,		10

11	Nonnegative shared subspace learning and its application to social media retrieval 2010 ,		68
10	Classification and Pattern Discovery of Mood in Weblogs. <i>Lecture Notes in Computer Science</i> , 2010 , 283-290		13
9	Unsupervised context detection using wireless signals. <i>Pervasive and Mobile Computing</i> , 2009 , 5, 714-733	3.5	8
8	Efficient duration and hierarchical modeling for human activity recognition. <i>Artificial Intelligence</i> , 2009 , 173, 830-856	3.6	69
7	High accuracy context recovery using clustering mechanisms 2009 ,		18
6	Flickr hypergroups 2009 ,		30
5	Social reader 2009 ,		3
4	You Tube and I Find Personalizing Multimedia Content Access. <i>Proceedings of the IEEE</i> , 2008 , 96, 697-711	14.3	8
3	Computable social patterns from sparse sensor data 2008 ,		5
2	Sensing and using social context. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , 2008 , 5, 1-27	3.4	54
1	Extraction of social context and application to personal multimedia exploration 2006 ,		23