Nizar Bouguila

List of Publications by Year in Descending Order

351 papers	3,885 citations	33 h-index	48 g-index
408 ext. papers	5,034 ext. citations	3.6 avg, IF	6.5 L-index

#	Paper	IF	Citations
351	Sparse Generalized Dirichlet Prior Based Bayesian Multinomial Estimation. *Lecture Notes in Computer Science*, **2022**, 177-191	0.9	
350	Plug-and-Play video super-resolution using edge-preserving filtering. *Computer Vision and Image Understanding*, **2022**, 216, 103359	4.3	1
349	Emotion recognition: A smoothed Dirichlet multinomial solution. *Engineering Applications of Artificial Intelligence*, **2022**, 107, 104542	7.2	0
348	Exact fisher information of generalized Dirichlet multinomial distribution for count data modeling. *Information Sciences*, **2022**, 586, 688-703	7.7	0
347	Transfer learning for estimating occupancy and recognizing activities in smart buildings. *Building and Environment*, **2022**, 109057	6.5	0
346	Robust unsupervised image categorization based on variational autoencoder with disentangled latent representations. *Knowledge-Based Systems*, **2022**, 246, 108671	7.3	0
345	Stochastic Variational Optimization of a Hierarchical Dirichlet Process Latent Beta-Liouville Topic Model. *ACM Transactions on Knowledge Discovery From Data*, **2022**, 16, 1-48	4	
344	Multivariate Beta-Based Hierarchical Dirichlet Process Hidden Markov Models in Medical Applications. *Unsupervised and Semi-supervised Learning*, **2022**, 235-261	0.9	
343	Bounded Asymmetric Gaussian Mixture-Based Hidden Markov Models. *Unsupervised and Semi-supervised Learning*, **2022**, 33-58	0.9	
342	Multivariate bounded support asymmetric generalized Gaussian mixture model with model selection using minimum message length. *Expert Systems With Applications*, **2022**, 204, 117516	7.8	
341	Machine Learning for Activity Recognition in Smart Buildings: A Survey **2021**, 199-228		
340	Hyperspectral Video Super-Resolution Using Beta Process and Bayesian Dictionary Learning. *Lecture Notes in Computer Science*, **2021**, 251-262	0.9	
339	A new workflow for detailed urban scale building energy modeling using spatial joining of attributes for archetype selection. *Journal of Building Engineering*, **2021**, 103661	5.2	0
338	Online Learning of Finite and Infinite Gamma Mixture Models for COVID-19 Detection in Medical Images. *Computers*, **2021**, 10, 6	1.9	6
337	Online Variational Learning Using Finite Generalized Inverted Dirichlet Mixture Model with Feature Selection on Medical Data Sets **2021**, 143-177		
336	Towards scalable deployment of Hidden Markov models in occupancy estimation: A novel methodology applied to the study case of occupancy detection. *Energy and Buildings*, **2021**, 254, 111594	7	4
335	Mixture-based clustering for count data using approximated Fisher Scoring and Minorization Maximization approaches. *Computational Intelligence*, **2021**, 37, 596-620	2.5	1

334	Smoothed Generalized Dirichlet: a novel count data model for detecting emotional states. *IEEE Transactions on Artificial Intelligence*, **2021**, 1-1	4.7	
333	Entropy-Based Variational Inference for Semi-Bounded Data Clustering in Medical Applications **2021**, 179-195		1
332	Multivariate-bounded Gaussian mixture model with minimum message length criterion for model selection. *Expert Systems*, **2021**, 38, e12688	2.1	1
331	Unsupervised Learning Using Variational Inference on Finite Inverted Dirichlet Mixture Models with Component Splitting. *Wireless Personal Communications*, **2021**, 119, 1817	1.9	0
330	Online variational inference on finite multivariate Beta mixture models for medical applications. *IET Image Processing*, **2021**, 15, 1869-1882	1.7	6
329	A statistical framework for few-shot action recognition. *Multimedia Tools and Applications*, **2021**, 80, 24303	2.5	1
328	Plug-and-Play video reconstruction using sparse 3D transform-domain block matching. *Machine Vision and Applications*, **2021**, 32, 1	2.8	
327	Discriminative Learning Approach Based on Flexible Mixture Model for Medical Data Categorization and Recognition. *Sensors*, **2021**, 21,	3.8	5
326	Nonparametric Bayesian Learning of Infinite Multivariate Generalized Normal Mixture Models and Its Applications. *Applied Sciences (Switzerland)*, **2021**, 11, 5798	2.6	1
325	Clustering-Based Online News Topic Detection and Tracking Through Hierarchical Bayesian Nonparametric Models **2021**,		3
324	Oil Spill Detection in SAR Images Using Online Extended Variational Learning of Dirichlet Process Mixtures of Gamma Distributions. *Remote Sensing*, **2021**, 13, 2991	5	2
323	Nonparametric variational learning of multivariate beta mixture models in medical applications. *International Journal of Imaging Systems and Technology*, **2021**, 31, 128-140	2.5	7
322	Efficient integration of generative topic models into discriminative classifiers using robust probabilistic kernels. *Pattern Analysis and Applications*, **2021**, 24, 217-241	2.3	0
321	Color object segmentation and tracking using flexible statistical model and level-set. *Multimedia Tools and Applications*, **2021**, 80, 5809-5831	2.5	10
320	BLOCK-DBSCAN: Fast clustering for large scale data. *Pattern Recognition*, **2021**, 109, 107624	7.7	38
319	Clustering Count Data with Stochastic Expectation Propagation. *Lecture Notes in Computer Science*, **2021**, 119-129	0.9	
318	Markov Chain Monte Carlo-Based Bayesian Inference for Learning Finite and Infinite Inverted Beta-Liouville Mixture Models. *IEEE Access*, **2021**, 9, 71170-71183	3.5	9
317	Birth-Death MCMC Approach for Multivariate Beta Mixture Models in Medical Applications. *Lecture Notes in Computer Science*, **2021**, 285-296	0.9	1

316	Mixture-Based Unsupervised Learning for Positively Correlated Count Data. *Lecture Notes in Computer Science*, **2021**, 144-154	0.9	
315	On Ransomware Family Attribution Using Pre-Attack Paranoia Activities. *IEEE Transactions on Network and Service Management*, **2021**, 1-1	4.8	2
314	Efficient Feature Mapping in Classifying Proportional Data. *IEEE Access*, **2021**, 9, 3712-3724	3.5	0
313	Short Text Clustering Using Generalized Dirichlet Multinomial Mixture Model. *Communications in Computer and Information Science*, **2021**, 149-161	0.3	
312	Entropy-Based Variational Learning of Finite Generalized Inverted Dirichlet Mixture Model. *Lecture Notes in Computer Science*, **2021**, 130-143	0.9	
311	Bayesian Learning of Shifted-Scaled Dirichlet Mixture Models and Its Application to Early COVID-19 Detection in Chest X-ray Images. *Journal of Imaging*, **2021**, 7,	3.1	5
310	A Competitive Generalized Gamma Mixture Model for Medical Image Diagnosis. *IEEE Access*, **2021**, 9, 13727-13736	3.5	6
309	Bayesian inference for infinite asymmetric Gaussian mixture with feature selection. *Soft Computing*, **2021**, 25, 6043-6053	3.5	1
308	Online mixture-based clustering for high dimensional count data using Neerchal Morel distribution. *Knowledge-Based Systems*, **2021**, 225, 107051	7.3	
307	Simultaneous positive sequential vectors modeling and unsupervised feature selection via continuous hidden Markov models. *Pattern Recognition*, **2021**, 119, 108073	7.7	3
306	Bayesian Matrix Factorization for Semibounded Data. *IEEE Transactions on Neural Networks and Learning Systems*, **2021**, PP,	10.3	1
305	Variational learning of finite shifted scaled Dirichlet mixture models **2021**, 175-204		1
304	Finite multi-dimensional generalized Gamma Mixture Model Learning for feature selection **2021**, 147-173		
303	Sparse Document Analysis Using Beta-Liouville Naive Bayes with Vocabulary Knowledge. *Lecture Notes in Computer Science*, **2021**, 351-363	0.9	0
302	On Short-Term Load Forecasting Using Machine Learning Techniques and a Novel Parallel Deep LSTM-CNN Approach. *IEEE Access*, **2021**, 9, 31191-31212	3.5	26
301	Maximum a Posteriori Approximation of Hidden Markov Models for Proportional Sequential Data Modeling With Simultaneous Feature Selection. *IEEE Transactions on Neural Networks and Learning Systems*, **2021**, PP,	10.3	1
300	Collapsed Gibbs Sampling of Beta-Liouville Multinomial for Short Text Clustering. *Lecture Notes in Computer Science*, **2021**, 564-571	0.9	
299	A Hybrid of Interactive Learning and Predictive Modeling for Occupancy Estimation in Smart Buildings. *IEEE Transactions on Consumer Electronics*, **2021**, 67, 285-293	4.8	

#	Title		
298	Entropy-Based Variational Scheme with Component Splitting for the Efficient Learning of Gamma Mixtures.. *Sensors*, **2021**, 22,	3.8	3
297	Batch and Online Variational Learning of Hierarchical Pitman-Yor Mixtures of Multivariate Beta Distributions **2021**,		1
296	A Framework for Unsupervised Planning of Cellular Networks Using Statistical Machine Learning. *IEEE Transactions on Communications*, **2020**, 68, 3213-3228	6.9	2
295	High-dimensional count data clustering based on an exponential approximation to the multinomial Beta-Liouville distribution. *Information Sciences*, **2020**, 524, 116-135	7.7	7
294	Spherical data clustering and feature selection through nonparametric Bayesian mixture models with von Mises distributions. *Engineering Applications of Artificial Intelligence*, **2020**, 94, 103781	7.2	5
293	Multivariate bounded support Laplace mixture model. *Soft Computing*, **2020**, 24, 13239-13268	3.5	7
292	Supervised dimensionality reduction of proportional data using mixture estimation. *Pattern Recognition*, **2020**, 105, 107379	7.7	3
291	Improving Classification Using Topic Correlation and Expectation Propagation. *Lecture Notes in Computer Science*, **2020**, 496-507	0.9	
290	Probabilistic Modeling for Frequency Vectors Using a Flexible Shifted-Scaled Dirichlet Distribution Prior. *ACM Transactions on Knowledge Discovery From Data*, **2020**, 14, 1-35	4	3
289	Variational learning of a shifted scaled Dirichlet model with component splitting approach **2020**,		2
288	Recognition of human interactions in feature films based on infinite mixture of EDCM **2020**,		1
287	L2 Normalized Data Clustering Through the Dirichlet Process Mixture Model of von Mises Distributions with Localized Feature Selection. *Unsupervised and Semi-supervised Learning*, **2020**, 109-123	0.9	
286	Generalized Inverted Dirichlet Optimal Predictor for Image Inpainting. *Lecture Notes in Computer Science*, **2020**, 410-421	0.9	
285	Image Categorization Using Agglomerative Clustering Based Smoothed Dirichlet Mixtures. *Lecture Notes in Computer Science*, **2020**, 27-38	0.9	0
284	Multimodal action recognition using variational-based Beta-Liouville hidden Markov models. *IET Image Processing*, **2020**, 14, 4785-4794	1.7	0
283	Flexible Distribution-Based Regression Models for Count Data: Application to Medical Diagnosis. *Cybernetics and Systems*, **2020**, 51, 442-466	1.9	3
282	. *IEEE Transactions on Multimedia*, **2020**, 22, 1447-1457	6.6	11
281	Database quality assessment for interactive learning: Application to occupancy estimation. *Energy and Buildings*, **2020**, 209, 109578	7	8

280	Modeling and Clustering Positive Vectors via Nonparametric Mixture Models of Liouville Distributions. *IEEE Transactions on Neural Networks and Learning Systems*, **2020**, 31, 3193-3203	10.3	7
279	Bayesian inference framework for bounded generalized Gaussian-based mixture model and its application to biomedical images classification. *International Journal of Imaging Systems and Technology*, **2020**, 30, 18-30	2.5	16
278	Inpainting forgery detection using hybrid generative/discriminative approach based on bounded generalized Gaussian mixture model. *Applied Computing and Informatics*, **2020**, ahead-of-print,	4.2	1
277	Proportional data modeling via selection and estimation of a finite mixture of scaled Dirichlet distributions. *Computational Intelligence*, **2020**, 36, 459-485	2.5	3
276	A new hybrid discriminative/generative model using the full-covariance multivariate generalized Gaussian mixture models. *Soft Computing*, **2020**, 24, 10611-10628	3.5	8
275	A novel approach for modeling positive vectors with inverted Dirichlet-based hidden Markov models. *Knowledge-Based Systems*, **2020**, 192, 105335	7.3	15
274	Stochastic topic models for large scale and nonstationary data. *Engineering Applications of Artificial Intelligence*, **2020**, 88, 103364	7.2	2
273	Fully Bayesian Learning of Multivariate Beta Mixture Models **2020**,		1
272	Sequentially spherical data modeling with hidden Markov models and its application to fMRI data analysis. *Knowledge-Based Systems*, **2020**, 206, 106341	7.3	4
271	Clustering Analysis via Deep Generative Models With Mixture Models. *IEEE Transactions on Neural Networks and Learning Systems*, **2020**, PP,	10.3	3
270	Online variational learning of finite inverted Beta-Liouville mixture model for biomedical analysis. *International Journal of Imaging Systems and Technology*, **2020**, 30, 794-814	2.5	0
269	Nonparametric hierarchical mixture models based on asymmetric Gaussian distribution **2020**, 106, 102829		2
268	Online Variational Learning of Dirichlet Process Mixtures of Scaled Dirichlet Distributions. *Information Systems Frontiers*, **2020**, 22, 1085-1093	4	5
267	Background subtraction using infinite asymmetric Gaussian mixture models with simultaneous feature selection. *IET Image Processing*, **2020**, 14, 2321-2332	1.7	3
266	Sparse Count Data Clustering Using an Exponential Approximation to Generalized Dirichlet Multinomial Distributions. *IEEE Transactions on Neural Networks and Learning Systems*, **2020**, PP,	10.3	2
265	A Distribution-based Regression for Real-time COVID-19 Cases Detection from Chest X-ray and CT Images **2020**,		1
264	Deriving Probabilistic SVM Kernels from Exponential Family Approximations to Multivariate Distributions for Count Data. *Unsupervised and Semi-supervised Learning*, **2020**, 125-153	0.9	2
263	Finite Inverted Beta-Liouville Mixture Models with Variational Component Splitting. *Unsupervised and Semi-supervised Learning*, **2020**, 209-233	0.9	1

262	Online Variational Learning for Medical Image Data Clustering. *Unsupervised and Semi-supervised Learning*, **2020**, 235-269	0.9	1
261	Color Image Segmentation Using Semi-bounded Finite Mixture Models by Incorporating Mean Templates. *Unsupervised and Semi-supervised Learning*, **2020**, 273-305	0.9	
260	Medical Image Segmentation Based on Spatially Constrained Inverted Beta-Liouville Mixture Models. *Unsupervised and Semi-supervised Learning*, **2020**, 307-324	0.9	0
259	Multivariate Bounded Asymmetric Gaussian Mixture Model. *Unsupervised and Semi-supervised Learning*, **2020**, 61-80	0.9	0
258	A Frequentist Inference Method Based on Finite Bivariate and Multivariate Beta Mixture Models. *Unsupervised and Semi-supervised Learning*, **2020**, 179-208	0.9	1
257	A soft computing model based on asymmetric Gaussian mixtures and Bayesian inference. *Soft Computing*, **2020**, 24, 4841-4853	3.5	3
256	**2019**,		2
255	Variational Learning for Finite Generalized Inverted Dirichlet Mixture Models with a Component Splitting Approach **2019**,		1
254	Data Clustering using Variational Learning of Finite Scaled Dirichlet Mixture Models **2019**,		2
253	Fake News Detection Using Bayesian Inference **2019**,		4
252	Bayesian frameworks for traffic scenes monitoring via view-based 3D cars models recognition. *Multimedia Tools and Applications*, **2019**, 78, 18813-18833	2.5	7
251	A Novel Scaled dirichlet-based statistical framework for count data modeling: Unsupervised learning and exponential approximation. *Pattern Recognition*, **2019**, 95, 36-47	7.7	11
250	. *IEEE Access*, **2019**, 7, 53932-53944	3.5	11
249	Network Anomaly Intrusion Detection Using a Nonparametric Bayesian Approach and Feature Selection. *IEEE Access*, **2019**, 7, 52181-52190	3.5	52
248	Hybrid generative discriminative approaches based on Multinomial Scaled Dirichlet mixture models. *Applied Intelligence*, **2019**, 49, 3783-3800	4.9	7
247	A nonparametric Bayesian learning model using accelerated variational inference and feature selection. *Pattern Analysis and Applications*, **2019**, 22, 63-74	2.3	5
246	Unsupervised learning of finite full covariance multivariate generalized Gaussian mixture models for human activity recognition. *Multimedia Tools and Applications*, **2019**, 78, 18669-18691	2.5	22
245	Bayesian inference by reversible jump MCMC for clustering based on finite generalized inverted Dirichlet mixtures. *Soft Computing*, **2019**, 23, 5799-5813	3.5	15

244	Variational Bayesian Learning of Generalized Dirichlet-Based Hidden Markov Models Applied to Unusual Events Detection. *IEEE Transactions on Neural Networks and Learning Systems*, **2019**, 30, 1034-1047	10.3	20
243	Online Clustering for Estimating Occupancy in an Office Setting **2019**,		3
242	Computer Vision System for Automatic Counting of Planting Microsites Using UAV Imagery. *IEEE Access*, **2019**, 7, 82491-82500	3.5	4
241	Nonparametric Hierarchical Bayesian Models for Positive Data Clustering Based on Inverted Dirichlet-Based Distributions. *IEEE Access*, **2019**, 7, 83600-83614	3.5	4
240	Data Clustering Using Online Variational Learning of Finite Scaled Dirichlet Mixture Models **2019**,		3
239	A Probabilistic Approach based on a Finite Mixture Model of Multivariate Beta Distributions **2019**,		4
238	Data Clustering Using Variational Learning of Finite Scaled Dirichlet Mixture Models with Component Splitting. *Lecture Notes in Computer Science*, **2019**, 117-128	0.9	
237	Unsupervised Variational Learning of Finite Generalized Inverted Dirichlet Mixture Models with Feature Selection and Component Splitting. *Lecture Notes in Computer Science*, **2019**, 94-105	0.9	0
236	Bayesian Learning of Infinite Asymmetric Gaussian Mixture Models for Background Subtraction. *Lecture Notes in Computer Science*, **2019**, 264-274	0.9	2
235	Artificial Intelligence for Mobile Health Data Analysis and Processing. *Mobile Information Systems*, **2019**, 2019, 1-2	1.4	5
234	Variational Learning of Beta-Liouville Hidden Markov Models for Infrared Action Recognition **2019**,		8
233	Efficient Computation of Log-likelihood Function in Clustering Overdispersed Count Data Using Multinomial Beta-Liouville Distribution **2019**,		1
232	**2019**,		1
231	A Statistical Process Control Chart Approach for Occupancy Estimation in Smart Buildings **2019**,		1
230	Component Splitting-based Approach for Multivariate Beta Mixture Models Learning **2019**,		5
229	An Accurate Evaluation of MSD Log-likelihood and its Application in Human Action Recognition **2019**,		3
228	Learning of Multivariate Beta Mixture Models via Entropy-based component splitting **2019**,		2
227	Dynamic Texture Recognition using a Hybrid Generative-Discriminative Approach with Hidden Markov Models and Support Vector Machines **2019**,		3

226	A Statistical Approach for Unsupervised Occupancy Detection and Estimation in Smart Buildings **2019**,		1
225	Hybrid Generative-Discriminative Generalized Dirichlet-Based Hidden Markov Models with Support Vector Machines **2019**,		2
224	Beta-Liouville Regression and Applications **2019**,		1
223	Data-free metrics for Dirichlet and generalized Dirichlet mixture-based HMMs A practical study. *Pattern Recognition*, **2019**, 85, 207-219	7.7	10
222	Fast neighbor search by using revised k-d tree. *Information Sciences*, **2019**, 472, 145-162	7.7	33
221	Simultaneous clustering and feature selection via nonparametric Pitman or process mixture models. *International Journal of Machine Learning and Cybernetics*, **2019**, 10, 2753-2766	3.8	4
220	Bounded Generalized Gaussian Mixture Model with ICA. *Neural Processing Letters*, **2019**, 49, 1299-1320	2.4	9
219	A novel statistical approach for clustering positive data based on finite inverted Beta-Liouville mixture models. *Neurocomputing*, **2019**, 333, 110-123	5.4	20
218	Variational-based latent generalized Dirichlet allocation model in the collapsed space and applications. *Neurocomputing*, **2019**, 332, 372-395	5.4	8
217	Deriving Probabilistic SVM Kernels From Flexible Statistical Mixture Models and its Application to Retinal Images Classification. *IEEE Access*, **2019**, 7, 1107-1117	3.5	17
216	Axially Symmetric Data Clustering Through Dirichlet Process Mixture Models of Watson Distributions. *IEEE Transactions on Neural Networks and Learning Systems*, **2019**, 30, 1683-1694	10.3	15
215	Model selection and application to high-dimensional count data clustering. *Applied Intelligence*, **2019**, 49, 1467-1488	4.9	10
214	Image and video denoising by combining unsupervised bounded generalized gaussian mixture modeling and spatial information. *Multimedia Tools and Applications*, **2018**, 77, 25591-25606	2.5	24
213	MML-Based Approach for Determining the Number of Topics in EDCM Mixture Models. *Lecture Notes in Computer Science*, **2018**, 211-217	0.9	4
212	A Flexible Statistical Model for Image Denoising. *Lecture Notes in Computer Science*, **2018**, 30-38	0.9	2
211	Unsupervised Human Action Categorization Using a Riemannian Averaged Fixed-Point Learning of Multivariate GGMM. *Lecture Notes in Computer Science*, **2018**, 408-415	0.9	8
210	EP-Based Infinite Inverted Dirichlet Mixture Learning: Application to Image Spam Detection. *Lecture Notes in Computer Science*, **2018**, 342-354	0.9	2
209	Spatially Constrained Mixture Model with Feature Selection for Image and Video Segmentation. *Lecture Notes in Computer Science*, **2018**, 36-44	0.9	4

208	Compositional Data Analysis with PLS-DA and Security Applications **2018**,		3
207	Speaker Verification Using Adapted Bounded Gaussian Mixture Model **2018**,		4
206	A fast clustering algorithm based on pruning unnecessary distance computations in DBSCAN for high-dimensional data. *Pattern Recognition*, **2018**, 83, 375-387	7.7	82
205	Text Modeling Using Multinomial Scaled Dirichlet Distributions. *Lecture Notes in Computer Science*, **2018**, 69-80	0.9	8
204	Visual Scene Reconstruction Using a Bayesian Learning Framework. *Lecture Notes in Computer Science*, **2018**, 225-232	0.9	2
203	Bayesian Learning of Finite Asymmetric Gaussian Mixtures. *Lecture Notes in Computer Science*, **2018**, 355-365	0.9	2
202	Intrusion Detection Using Unsupervised Approach. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2018**, 192-201	0.2	
201	Bounded Laplace Mixture Model with Applications to Image Clustering and Content Based Image Retrieval **2018**,		1
200	A Smoothed Latent Generalized Dirichlet Allocation Model in the Collapsed Space **2018**,		1
199	Consumption Behavior Prediction Using Hierarchical Bayesian Frameworks **2018**,		5
198	Model Selection and Estimation of a Finite Shifted-Scaled Dirichlet Mixture Model **2018**,		9
197	A Finite Multi-Dimensional Generalized Gamma Mixture Model **2018**,		1
196	Asymmetric Gaussian Mixtures with Reversible Jump MCMC **2018**,		4
195	Infinite Scaled Dirichlet Mixture Models for Spam Filtering via Bayesian and Variational Bayes Learning **2018**,		1
194	A Novel Approach for Anomaly Event Detection in Videos Based on Autoencoders and SE Networks **2018**,		2
193	Asymmetric Gaussian-Based Statistical Models Using Markov Chain Monte Carlo Techniques for Image Categorization **2018**,		1
192	Finite Multi-dimensional Generalized Gamma Mixture Model Learning Based on MML **2018**,		2
191	Semi-Convex Hull Tree: Fast Nearest Neighbor Queries for Large Scale Data on GPUs **2018**,		6

190	A Bayesian Intrusion Detection Framework **2018**,		6
189	A Fixed-Point Estimation Algorithm for Learning the Multivariate GGMM: Application to Human Action Recognition **2018**,		8
188	Entropy-based variational Bayes learning framework for data clustering. *IET Image Processing*, **2018**, 12, 1762-1772	1.7	11
187	A purely Bayesian approach for proportional visual data modelling. *International Journal of Intelligent Engineering Informatics*, **2018**, 6, 491	0.3	2
186	An Accelerated Variational Framework for Face Expression Recognition **2018**,		2
185	Color image segmentation with bounded generalized Gaussian mixture model and feature selection **2018**,		11
184	Hybrid Statistical Framework for Diabetic Retinopathy Detection. *Lecture Notes in Computer Science* , **2018**, 687-694	0.9	3
183	Proportional data clustering using K-means algorithm: A comparison of different distances **2017**,		3
182	Unsupervised learning of finite mixtures using scaled dirichlet distribution and its application to software modules categorization **2017**,		18
181	A Novel Model-Based Approach for Medical Image Segmentation Using Spatially Constrained Inverted Dirichlet Mixture Models. *Neural Processing Letters*, **2017**, 47, 619	2.4	2
180	Proportional data modeling via entropy-based variational bayes learning of mixture models. *Applied Intelligence*, **2017**, 47, 473-487	4.9	11
179	Video Forgery Detection Using a Bayesian RJMCMC-Based Approach **2017**,		1
178	A Comparison Between Different Gaussian-Based Mixture Models **2017**,		21
177	A hierarchical Dirichlet process mixture of GID Distributions with feature selection for spatio-temporal video modeling and segmentation **2017**,		5
176	A new latent generalized dirichlet allocation model for image classification **2017**,		6
175	Online Learning of Hierarchical Pitman-Yor Process Mixture of Generalized Dirichlet Distributions With Feature Selection. *IEEE Transactions on Neural Networks and Learning Systems*, **2017**, 28, 2048-2061	10.3	10
174	Variational Bayesian inference for infinite generalized inverted Dirichlet mixtures with feature selection and its application to clustering. *Applied Intelligence*, **2016**, 44, 507-525	4.9	33
173	Variational learning of hierarchical infinite generalized Dirichlet mixture models and applications. *Soft Computing*, **2016**, 20, 979-990	3.5	11

172	RJMCMC learning for clustering and feature selection of L2-normalized vectors **2016**,	2
171	Accelerated variational inference for Beta-Liouville mixture learning with application to 3D shapes recognition **2016**,	4
170	Model-Based Clustering Based on Variational Learning of Hierarchical Infinite Beta-Liouville Mixture Models. *Neural Processing Letters*, **2016**, 44, 431-449	2.4 4
169	Proportional data modeling with hidden Markov models based on generalized Dirichlet and Beta-Liouville mixtures applied to anomaly detection in public areas. *Pattern Recognition*, **2016**, 55, 125-136	7.7 29
168	A statistical framework for online learning using adjustable model selection criteria. *Engineering Applications of Artificial Intelligence*, **2016**, 49, 19-42	7.2 9
167	A latent Beta-Liouville allocation model. *Expert Systems With Applications*, **2016**, 45, 260-272	7.8 8
166	A Bayesian analysis of spherical pattern based on finite Langevin mixture. *Applied Soft Computing Journal*, **2016**, 38, 373-383	7.5 9
165	. *IEEE Transactions on Services Computing*, **2016**, 9, 968-981	4.8 20
164	Infinite Langevin Mixture Modeling and Feature Selection **2016**,	4
163	View-Based 3D Objects Recognition with Expectation Propagation Learning. *Lecture Notes in Computer Science*, **2016**, 359-369	0.9 2
162	A Nonparametric Hierarchical Bayesian Model and Its Application on Multimodal Person Identity Verification. *Lecture Notes in Computer Science*, **2016**, 399-409	0.9
161	Deformable models based object tracking: Challenges and current researches **2016**,	1
160	Speaker Classification via Supervised Hierarchical Clustering Using ICA Mixture Model. *Lecture Notes in Computer Science*, **2016**, 193-202	0.9 3
159	A hierarchical Dirichlet process mixture of generalized Dirichlet distributions for feature selection. *Computers and Electrical Engineering*, **2015**, 43, 48-65	4.3 16
158	Beyond hybrid generative discriminative learning: spherical data classification. *Pattern Analysis and Applications*, **2015**, 18, 113-133	2.3 7
157	Expectation propagation learning of a Dirichlet process mixture of Beta-Liouville distributions for proportional data clustering. *Engineering Applications of Artificial Intelligence*, **2015**, 43, 1-14	7.2 10
156	Model-based approach for high-dimensional non-Gaussian visual data clustering and feature weighting **2015**, 40, 63-79	6
155	Semantic Scene Classification with Generalized Gaussian Mixture Models. *Lecture Notes in Computer Science*, **2015**, 159-166	0.9 8

154	Simultaneous high-dimensional clustering and feature selection using asymmetric Gaussian mixture models. *Image and Vision Computing*, **2015**, 34, 27-41	3.7	29
153	Face detection and facial expression recognition using simultaneous clustering and feature selection via an expectation propagation statistical learning framework. *Multimedia Tools and Applications*, **2015**, 74, 4303-4327	2.5	8
152	A hierarchical nonparametric Bayesian approach for medical images and gene expressions classification. *Soft Computing*, **2015**, 19, 189-204	3.5	12
151	Semisupervised online learning of hierarchical structures for visual object classification. *Multimedia Tools and Applications*, **2015**, 74, 1805-1822	2.5	
150	Web Service Intrusion Detection Using a Probabilistic Framework. *Advances in Intelligent Systems and Computing*, **2015**, 161-166	0.4	3
149	Recognition and Clustering of Dirichlet Mixtures **2015**, 1-9		
148	A Finite Gamma Mixture Model-Based Discriminative Learning Frameworks **2015**,		4
147	Unsupervised keyword spotting using bounded generalized Gaussian mixture model with ICA **2015**,		9
146	Topic Novelty Detection Using Infinite Variational Inverted Dirichlet Mixture Models **2015**,		6
145	Dynamic textures clustering using a hierarchical Pitman-Yor process mixture of Dirichlet distributions **2015**,		3
144	Human Action Recognition Using Accelerated Variational Learning of Infinite Dirichlet Mixture Models **2015**,		3
143	Variational Learning of Finite Inverted Dirichlet Mixture Models and Applications. *Studies in Computational Intelligence*, **2015**, 119-145	0.8	8
142	Dimensionality Reduction of Proportional Data Through Data Separation Using Dirichlet Distribution. *Lecture Notes in Computer Science*, **2015**, 141-149	0.9	2
141	A Statistical Framework for Mental Targets Search Using Mixture Models. *Studies in Computational Intelligence*, **2015**, 99-118	0.8	1
140	A Fully Bayesian Framework for Positive Data Clustering. *Studies in Computational Intelligence*, **2015** , 147-164	0.8	1
139	Modeling and Forecasting Time Series of Compositional Data: A Generalized Dirichlet Power Steady Model. *Lecture Notes in Computer Science*, **2015**, 170-185	0.9	2
138	Variational learning of finite Dirichlet mixture models using component splitting. *Neurocomputing*, **2014**, 129, 3-16	5.4	16
137	Probabilistic approach for QoS-aware recommender system for trustworthy web service selection. *Applied Intelligence*, **2014**, 41, 503-524	4.9	29

136	Online variational learning of generalized Dirichlet mixture models with feature selection. *Neurocomputing*, **2014**, 126, 166-179	5.4	12
135	Pre-run-time scheduling in real-time systems: Current researches and Artificial Intelligence perspectives. *Expert Systems With Applications*, **2014**, 41, 2196-2210	7.8	13
134	A variational Bayes model for count data learning and classification. *Engineering Applications of Artificial Intelligence*, **2014**, 35, 176-186	7.2	10
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