

# Ickjai Lee

## List of Publications by Citations

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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.

80  
papers

831  
citations

15  
h-index

25  
g-index

93  
ext. papers

1,084  
ext. citations

4  
avg, IF

5.1  
L-index

#	Paper	IF	Citations
80	CoroDet: A deep learning based classification for COVID-19 detection using chest X-ray images. <i>Chaos, Solitons and Fractals</i> , <b>2021</b> , 142, 110495	9.3	93
79	Exploration of geo-tagged photos through data mining approaches. <i>Expert Systems With Applications</i> , <b>2014</b> , 41, 397-405	7.8	66
78	Itinerary recommender system with semantic trajectory pattern mining from geo-tagged photos. <i>Expert Systems With Applications</i> , <b>2018</b> , 94, 32-40	7.8	57
77	Hierarchical trajectory clustering for spatio-temporal periodic pattern mining. <i>Expert Systems With Applications</i> , <b>2018</b> , 92, 1-11	7.8	45
76	Mining co-distribution patterns for large crime datasets. <i>Expert Systems With Applications</i> , <b>2012</b> , 39, 11556-11563	7.8	45
75	Spatio-temporal Sequential Pattern Mining for Tourism Sciences. <i>Procedia Computer Science</i> , <b>2014</b> , 29, 379-389	1.6	35
74	Mobile augmented reality based context-aware library management system. <i>Expert Systems With Applications</i> , <b>2014</b> , 41, 2174-2185	7.8	30
73	Multi-Level Clustering and its Visualization for Exploratory Spatial Analysis. <i>Geoinformatica</i> , <b>2002</b> , 6, 123-152	3.0	30
72	Fast action recognition using negative space features. <i>Expert Systems With Applications</i> , <b>2014</b> , 41, 574-587	7.8	24
71	Sequential pattern mining of geo-tagged photos with an arbitrary regions-of-interest detection method. <i>Expert Systems With Applications</i> , <b>2014</b> , 41, 3514-3526	7.8	23
70	A generic triangle-based data structure of the complete set of higher order Voronoi diagrams for emergency management. <i>Computers, Environment and Urban Systems</i> , <b>2009</b> , 33, 90-99	5.9	22
69	Mining Points-of-Interest Association Rules from Geo-tagged Photos <b>2013</b> ,		21
68	Crime analysis through spatial areal aggregated density patterns. <i>Geoinformatica</i> , <b>2011</b> , 15, 49-74	2.5	20
67	Interactive Analysis Using Voronoi Diagrams: Algorithms to Support Dynamic Update from a Generic Triangle-based Data Structure. <i>Transactions in GIS</i> , <b>2002</b> , 6, 89-114	2.1	18
66	A general methodology for n-dimensional trajectory clustering. <i>Expert Systems With Applications</i> , <b>2015</b> , 42, 7573-7581	7.8	15
65	Document-level multi-topic sentiment classification of Email data with BiLSTM and data augmentation. <i>Knowledge-Based Systems</i> , <b>2020</b> , 197, 105918	7.3	13
64	<b>2009</b> ,		13

63	URBAN CRIME ANALYSIS THROUGH AREAL CATEGORIZED MULTIVARIATE ASSOCIATIONS MINING. <i>Applied Artificial Intelligence</i> , <b>2008</b> , 22, 483-499	2.3	13
62	Semantic periodic pattern mining from spatio-temporal trajectories. <i>Information Sciences</i> , <b>2019</b> , 502, 164-189	7.7	12
61	Email Sentiment Analysis Through k-Means Labeling and Support Vector Machine Classification. <i>Cybernetics and Systems</i> , <b>2018</b> , 49, 181-199	1.9	12
60	Mining hierarchical semantic periodic patterns from GPS-collected spatio-temporal trajectories. <i>Expert Systems With Applications</i> , <b>2019</b> , 122, 85-101	7.8	12
59	Discovering sentiment sequence within email data through trajectory representation. <i>Expert Systems With Applications</i> , <b>2018</b> , 99, 1-11	7.8	11
58	Mining Semantic Trajectory Patterns from Geo-Tagged Data. <i>Journal of Computer Science and Technology</i> , <b>2018</b> , 33, 849-862	1.7	11
57	Extracting features with medical sentiment lexicon and position encoding for drug reviews. <i>Health Information Science and Systems</i> , <b>2019</b> , 7, 11	5.1	10
56	EXPLORATION OF MASSIVE CRIME DATA SETS THROUGH DATA MINING TECHNIQUES. <i>Applied Artificial Intelligence</i> , <b>2011</b> , 25, 362-379	2.3	10
55	A probabilistic stop and move classifier for noisy GPS trajectories. <i>Data Mining and Knowledge Discovery</i> , <b>2018</b> , 32, 1634-1662	5.6	10
54	Mining place-matching patterns from spatio-temporal trajectories using complex real-world places. <i>Expert Systems With Applications</i> , <b>2019</b> , 122, 334-350	7.8	9
53	Mining distinct and contiguous sequential patterns from large vehicle trajectories. <i>Knowledge-Based Systems</i> , <b>2020</b> , 189, 105076	7.3	9
52	Mining Mobility Patterns From Geotagged Photos Through Semantic Trajectory Clustering. <i>Cybernetics and Systems</i> , <b>2018</b> , 49, 234-256	1.9	9
51	Periodic Pattern Mining for Spatio-Temporal Trajectories: A Survey <b>2015</b> ,		8
50	Fast Cluster Polygonization and its Applications in Data-Rich Environments. <i>Geoinformatica</i> , <b>2006</b> , 10, 399-422	2.5	8
49	Clustering with obstacles for Geographical Data Mining. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2004</b> , 59, 21-34	11.8	8
48	Mining qualitative patterns in spatial cluster analysis. <i>Expert Systems With Applications</i> , <b>2012</b> , 39, 1753-1762	7.6	7
47	Map segmentation for geospatial data mining through generalized higher-order Voronoi diagrams with sequential scan algorithms. <i>Expert Systems With Applications</i> , <b>2012</b> , 39, 11135-11148	7.8	7
46	A Hybrid Sentiment Analysis Framework for Large Email Data <b>2015</b> ,		7

45	Criteria on Proximity Graphs for Boundary Extraction and Spatial Clustering. <i>Lecture Notes in Computer Science</i> , <b>2001</b> , 348-357	0.9	7
44	Visual Analytics of Topological Higher Order Information for Emergency Management Based on Tourism Trajectory Datasets. <i>Procedia Computer Science</i> , <b>2014</b> , 29, 683-691	1.6	6
43	Geographic knowledge discovery from Web Map segmentation through generalized Voronoi diagrams. <i>Expert Systems With Applications</i> , <b>2012</b> , 39, 9376-9388	7.8	6
42	Points-of-Interest Mining from People's Photo-Taking Behavior <b>2013</b> ,		5
41	Mining top-k and bottom-k correlative crime patterns through graph representations <b>2009</b> ,		5
40	Discovering Common Semantic Trajectories from Geo-tagged Social Media. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 320-332	0.9	5
39	What-if Emergency Management System: A Generalized Voronoi Diagram Approach <b>2007</b> , 58-69		5
38	A framework of spatio-temporal trajectory simplification methods. <i>International Journal of Geographical Information Science</i> , <b>2017</b> , 1-26	4.1	4
37	Hand-Held Mobile Augmented Reality for Collaborative Problem Solving: A Case Study with Sorting <b>2014</b> ,		4
36	Spatio-Temporal GRU for Trajectory Classification <b>2019</b> ,		4
35	Multi-level Clustering and Reasoning about Its Clusters Using Region Connection Calculus. <i>Lecture Notes in Computer Science</i> , <b>2003</b> , 283-294	0.9	4
34	MPL-GAN: Toward Realistic Meteorological Predictive Learning Using Conditional GAN. <i>IEEE Access</i> , <b>2020</b> , 8, 93179-93186	3.5	3
33	Mining Frequent Trajectory Patterns and Regions-of-Interest from Flickr Photos <b>2014</b> ,		3
32	Directional Higher Order Information for Spatio-Temporal Trajectory Dataset <b>2014</b> ,		3
31	Raster voronoi tessellation and its application to emergency modeling. <i>Geo-Spatial Information Science</i> , <b>2011</b> , 14, 235-245	3.5	3
30	Criminal Cross Correlation Mining and Visualization. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 2-13	0.9	3
29	Sequence encoding incorporated CNN model for Email document sentiment classification. <i>Applied Soft Computing Journal</i> , <b>2021</b> , 102, 107104	7.5	3
28	An Empirical Study of Knowledge Representation and Learning within Conceptual Spaces for Intelligent Agents <b>2007</b> ,		2

27	Investigation into Alternative Representations for Intelligent Geoinformation Systems in Data-rich Environments. <i>Journal of Software</i> , <b>2009</b> , 4,	3	2
26	Mining Medical Periodic Patterns from Spatio-Temporal Trajectories. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 123-133	0.9	2
25	A Framework for Mining Semantic-Level Tourist Movement Behaviours from Geo-tagged Photos. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 519-524	0.9	2
24	Visual analytical tools for multivariate higher-order information for emergency management. <i>Journal of Visualization</i> , <b>2020</b> , 23, 721-743	1.6	1
23	Web-Based Collaborative Document Writing for Emergency Management <b>2016</b> ,		1
22	Interpolation of Sensory Data in the Presence of Obstacles. <i>Procedia Computer Science</i> , <b>2014</b> , 29, 2496-2506		1
21	Fast OBJ file importing and parsing in CUDA. <i>Computational Visual Media</i> , <b>2015</b> , 1, 229-238	3.9	1
20	A Hybrid Grid-based Method for Mining Arbitrary Regions-of-Interest from Trajectories <b>2013</b> ,		1
19	AN ORDER-k VORONOI APPROACH TO GEOSPATIAL CONCEPT MANAGEMENT WITHIN CONCEPTUAL SPACES. <i>Applied Artificial Intelligence</i> , <b>2009</b> , 23, 522-537	2.3	1
18	Generalized Voronoi Diagrams with Obstacles for Use in Geospatial Market Analysis and Strategy Decisions <b>2008</b> ,		1
17	Higher Order Voronoi Diagrams for Concept Boundaries and Tessellations <b>2007</b> ,		1
16	Visual Analytical Tool for Higher Order k-Means Clustering for Trajectory Data Mining. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 507-518	0.9	1
15	Geospatial Cluster Tessellation Through the Complete Order-k Voronoi Diagrams <b>2007</b> , 321-336		1
14	When Generalized Voronoi Diagrams Meet GeoWeb for Emergency Management. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 64-75	0.9	1
13	Multivariate Higher Order Information for Emergency Management Based on Tourism Trajectory Datasets. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 725-736	0.9	1
12	Sentiment Classification with Medical Word Embeddings and Sequence Representation for Drug Reviews. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 75-86	0.9	1
11	Mining Positive Associations of Urban Criminal Activities Using Hierarchical Crime Hot Spots. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 127-132	0.9	1
10	Multi-level medical periodic patterns from human movement behaviors. <i>Health Information Science and Systems</i> , <b>2019</b> , 7, 9	5.1	0

9	Evaluating deep learned voice compression for use in video games. <i>Expert Systems With Applications</i> , <b>2021</b> , 181, 115180	7.8	0
8	DNA-chart visual tool for topological higher order information from spatio-temporal trajectory dataset. <i>Expert Systems With Applications</i> , <b>2018</b> , 108, 28-35	7.8	
7	Low resolution grid mapping approach for geographic routing. <i>International Journal of Mobile Communications</i> , <b>2013</b> , 11, 559	1.2	
6	Alternative Areal Decompositions: An Empirical Study. <i>Transactions in GIS</i> , <b>2011</b> , 15, 17-42	2.1	
5	MARKET AREA ANALYSIS AND INTELLIGENCE THROUGH GEOWEB MAP SEGMENTATION. <i>Cybernetics and Systems</i> , <b>2012</b> , 43, 445-458	1.9	
4	Hybrid Agglomerative Clustering for Large Databases: An Efficient Interactivity Approach. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 938-941	0.9	
3	Context-Aware Mobile Augmented Reality for Library Management. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 510-517	0.9	
2	A hybrid data gathering and agent based cognitive architecture for realistic crowd simulations. <i>Journal of Simulation</i> , 1-28	1.9	
1	Common Clustering Algorithms <b>2020</b> , 531-564		