

# Surangika Ranathunga

## 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.

38  
papers

126  
citations

6  
h-index

7  
g-index

55  
ext. papers

206  
ext. citations

1  
avg, IF

2.98  
L-index

#	Paper	IF	Citations
38	Sentiment Analysis of Sinhala News Comments. <i>ACM Transactions on Asian and Low-Resource Language Information Processing</i> , <b>2021</b> , 20, 1-23	1.1	1
37	Two-Step Memory Networks for Deep Semantic Parsing of Geometry Word Problems. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 676-685	0.9	1
36	Sentiment Analysis of Sinhala News Comments using Sentence-State LSTM Networks <b>2020</b> ,		3
35	Generative Adversarial Networks (GAN) based Anomaly Detection in Industrial Software Systems <b>2019</b> ,		2
34	Mathematical Expression Extraction from Unstructured Plain Text. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 312-320	0.9	
33	Transfer Learning Based Free-Form Speech Command Classification for Low-Resource Languages <b>2019</b> ,		4
32	Model Answer Generation for Word-Type Questions in Elementary Mathematics. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 17-28	0.9	
31	Sinhala and Tamil Speech Intent Identification From English Phoneme Based ASR <b>2019</b> ,		1
30	Indic language computing. <i>Communications of the ACM</i> , <b>2019</b> , 62, 70-75	2.5	9
29	Named-Entity-Recognition (NER) for Tamil Language Using Margin-Infused Relaxed Algorithm (MIRA). <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 465-476	0.9	
28	Clustering Sinhala News Articles Using Corpus-Based Similarity Measures <b>2018</b> ,		2
27	Unit Conflict Resolution for Automatic Math Word Problem Solving <b>2018</b> ,		3
26	Transliteration and Byte Pair Encoding to Improve Tamil to Sinhala Neural Machine Translation <b>2018</b> ,		3
25	Evaluation of Different Classifiers for Sinhala POS Tagging <b>2018</b> ,		1
24	Integration of Bilingual Lists for Domain-Specific Statistical Machine Translation for Sinhala-Tamil <b>2018</b> ,		2
23	A Two-Phase Classifier for Automatic Answer Generation for Math Word Problems <b>2018</b> ,		3
22	Answer Generation for Set Type Math Word Problems <b>2018</b> ,		1

21	Si-Ta: Machine Translation of Sinhala and Tamil Official Documents <b>2018,</b>		2
20	Automatic Identification of Errors in Multi-step Answers to Algebra Questions <b>2017,</b>		2
19	Eatery <b>2017,</b>		3
18	Automatic Assessment of Student Answers Consisting of Venn and Euler Diagrams <b>2017,</b>		4
17	Short Tamil sentence similarity calculation using knowledge-based and corpus-based similarity measures <b>2017,</b>		1
16	Anomaly detection in complex trading systems <b>2017,</b>		1
15	Question Answering system for the travel domain <b>2017,</b>		3
14	Automatic creation of a word aligned Sinhala-Tamil parallel corpus <b>2017,</b>		1
13	Assessment and Error Identification of Answers to Mathematical Word Problems <b>2017,</b>		1
12	Neural machine translation for sinhala and tamil languages <b>2017,</b>		5
11	Implicit Aspect Detection in Restaurant Reviews using Cooccurrence of Words <b>2016,</b>		8
10	Automated assessment of multi-step answers for mathematical word problems <b>2016,</b>		4
9	Computer Aided Evaluation of Multi-Step Answers to Algebra Questions <b>2016,</b>		4
8	Domain-Specific Term Extraction for Concept Identification in Ontology Construction <b>2016,</b>		3
7	Handling Agent Perception in Heterogeneous Distributed Systems: A Policy-Based Approach. <i>Lecture Notes in Computer Science, 2015, 169-185</i>	0.9	2
6	VISIRI - Distributed Complex Event Processing System for Handling Large Number of Queries. <i>Lecture Notes in Computer Science, 2015, 230-245</i>	0.9	2
5	Improving Situation Awareness in Intelligent Virtual Agents. <i>Lecture Notes in Computer Science, 2013, 134-148</i>	0.9	6
4	Embedding Agents in Business Processes Using Enterprise Integration Patterns. <i>Lecture Notes in Computer Science, 2013, 97-116</i>	0.9	5

3	IDENTIFYING EVENTS TAKING PLACE IN SECOND LIFE VIRTUAL ENVIRONMENTS. <i>Applied Artificial Intelligence</i> , <b>2012</b> , 26, 137-181	2.3	11
2	Interfacing a Cognitive Agent Platform with Second Life. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 1-21	0.9	6
1	Integrating Expectation Monitoring into BDI Agents. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 74-91	0.9	8