Richard Tzong-Han Tsai

List of Publications by Year
in descending order

86 papers	**1,704** citations	489802 **18** h-index	340414 **39** g-index
91 all docs	**91** docs citations	**91** times ranked	**1732** citing authors

#	Article	IF	Citations
1	Improving low-resource machine transliteration by using 3-way transfer learning. Computer Speech and Language, 2022, 72, 101283.	2.9	5
2	Cross-language article linking with deep neural network based paragraph encoding. Computer Speech and Language, 2022, 72, 101279.	2.9	1
3	EPG2S: Speech Generation and Speech Enhancement Based on Electropalatography and Audio Signals Using Multimodal Learning. IEEE Signal Processing Letters, 2022, 29, 2582-2586.	2.1	5
4	Multi-Modal Chatbot in Intelligent Manufacturing. IEEE Access, 2021, 9, 82118-82129.	2.6	14
5	Verdict Inference with Claim and Retrieved Elements Using RoBERTa. , 2021, , .		2
6	Design and Construction of the Spatiotemporal Information Platform for the Interpretation of ShiJi. , 2021, , .		0
7	Biomedical named entity recognition and linking datasets: survey and our recent development. Briefings in Bioinformatics, 2020, 21, 2219-2238.	3.2	25
8	DeepEncyclolink: A Cross-Encyclopedia, Cross-language Article-Linking System Based on Deep Learning. , 2020, , .		0
9	Using Deep-Q Network to Select Candidates from N-best Speech Recognition Hypotheses for Enhancing Dialogue State Tracking. , 2019, , .		0
10	The extraction of complex relationships and their conversion to biological expression language (BEL) overview of the BioCreative VI (2017) BEL track. Database: the Journal of Biological Databases and Curation, 2019, 2019, .	1.4	14
11	Using a Large Margin Context-Aware Convolutional Neural Network to Automatically Extract Disease-Disease Association from Literature: Comparative Analytic Study. JMIR Medical Informatics, 2019, 7, e14502.	1.3	4
12	Statistical principle-based approach for gene and protein related object recognition. Journal of Cheminformatics, 2018, 10, 64.	2.8	6
13	Automatic Question Generation from Children's Stories for Companion Chatbot. , 2018, , .		14
14	Cross-language Article Linking Using Cross-Encyclopedia Entity Embedding. , 2018, , .		0
15	Context-aware sentiment propagation using LDA topic modeling on Chinese ConceptNet. Soft Computing, 2017, 21, 2911-2921.	2.1	5
16	Aspect-category-based sentiment classification with aspect-opinion relation. , 2016, , .		6
17	Cross-language article linking with different knowledge bases using bilingual topic model and translation features. Knowledge-Based Systems, 2016, 111, 228-236.	4.0	6
18	NERChem: adapting NERBio to chemical patents via full-token features and named entity feature with chemical sub-class composition. Database: the Journal of Biological Databases and Curation, 2016, 2016, baw135.	1.4	4

#	ARTICLE	IF	CITATIONS
19	BelSmile: a biomedical semantic role labeling approach for extracting biological expression language from text. Database: the Journal of Biological Databases and Curation, 2016, 2016, baw064.	1.4	12
20	Collective Web-Based Parenthetical Translation Extraction Using Markov Logic Networks. ACM Transactions on Asian and Low-Resource Language Information Processing, 2016, 15, 1-14.	1.3	0
21	Enhancing of chemical compound and drug name recognition using representative tag scheme and fine-grained tokenization. Journal of Cheminformatics, 2015, 7, S14.	2.8	47
22	The CHEMDNER corpus of chemicals and drugs and its annotation principles. Journal of Cheminformatics, 2015, 7, S2.	2.8	166
23	Text Mining for Translational Bioinformatics. BioMed Research International, 2015, 2015, 1-2.	0.9	4
24	Topic-aware sentiment prediction for Chinese ConceptNet. , 2015, , .		1
25	Contextual restaurant recommendation utilizing implicit feedback. , 2015, , .		5
26	A context-aware approach for progression tracking of medical concepts in electronic medical records. Journal of Biomedical Informatics, 2015, 58, S150-S157.	2.5	31
27	NCU IISR English-Korean and English-Chinese Named Entity Transliteration Using Different Grapheme Segmentation Approaches. , 2015, , .		4
28	Cross-Domain Opinion Word Identification with Query-By-Committee Active Learning. Lecture Notes in Computer Science, 2014, , 334-343.	1.0	9
29	LiverCancerMarkerRIF: a liver cancer biomarker interactive curation system combining text mining and expert annotations. Database: the Journal of Biological Databases and Curation, 2014, 2014, bau085-bau085.	1.4	10
30	BioC interoperability track overview. Database: the Journal of Biological Databases and Curation, 2014, 2014, bau053-bau053.	1.4	15
31	A resource-saving collective approach to biomedical semantic role labeling. BMC Bioinformatics, 2014, 15, 160.	1.2	5
32	Using relation selection to improve value propagation in a ConceptNet-based sentiment dictionary. Knowledge-Based Systems, 2014, 69, 100-107.	4.0	31
33	Chapter 12: Text Mining in Biomedicine and Healthcare. Science, Engineering, and Biology Informatics, 2014, , 325-372.	0.1	3
34	Polarity Detection of Online Reviews Using Sentiment Concepts: NCU IISR Team at ESWC-14 Challenge on Concept-Level Sentiment Analysis. Communications in Computer and Information Science, 2014, , 53-58.	0.4	9
35	A Hybrid System for Temporal Relation Extraction from Discharge Summaries. Lecture Notes in Computer Science, 2014, , 379-386.	1.0	7
36	Cross-language and Cross-encyclopedia Article Linking Using Mixed-language Topic Model and Hypernym Translation. , 2014, , .		4

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37	Building a Concept-Level Sentiment Dictionary Based on Commonsense Knowledge. IEEE Intelligent Systems, 2013, 28, 22-30.	4.0	93
38	TEMPTING system: A hybrid method of rule and machine learning for temporal relation extraction in patient discharge summaries. Journal of Biomedical Informatics, 2013, 46, S54-S62.	2.5	36
39	Transliteration Pair Extraction from Classical Chinese Buddhist Literature Using Phonetic Similarity Measurement. New Generation Computing, 2013, 31, 265-283.	2.5	1
40	T-HOD: a literature-based candidate gene database for hypertension, obesity and diabetes. Database: the Journal of Biological Databases and Curation, 2013, 2013, bas061.	1.4	31
41	Collective Instance-Level Gene Normalization on the IGN Corpus. PLoS ONE, 2013, 8, e79517.	1.1	9
42	Validating Contradiction in Texts Using Online Co-Mention Pattern Checking. ACM Transactions on Asian Language Information Processing, 2012, 11, 1-21.	0.8	8
43	Coreference resolution of medical concepts in discharge summaries by exploiting contextual information. Journal of the American Medical Informatics Association: JAMIA, 2012, 19, 888-896.	2.2	9
44	Improving Protein-Protein Interaction Pair Ranking with an Integrated Global Association Score. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2012, 9, 1690-1695.	1.9	1
45	A Generative Data Augmentation Model for Enhancing Chinese Dialect Pronunciation Prediction. IEEE Transactions on Audio Speech and Language Processing, 2012, 20, 1109-1117.	3.8	1
46	Query and tag translation for Chinese-Korean cross-language social media retrieval. , 2011, , .		0
47	Sentiment Value Propagation for an Integral Sentiment Dictionary Based on Commonsense Knowledge. , 2011, , .		12
48	Dynamic programming re-ranking for PPI interactor and pair extraction in full-text articles. BMC Bioinformatics, 2011, 12, 60.	1.2	4
49	The gene normalization task in BioCreative III. BMC Bioinformatics, 2011, 12, S2.	1.2	101
50	Multi-stage gene normalization for full-text articles with context-based species filtering for dynamic dictionary entry selection. BMC Bioinformatics, 2011, 12, S7.	1.2	4
51	Visual webpage block importance prediction using conditional random fields. Journal of the Association for Information Science and Technology, 2011, 62, 2225-2235.	2.6	0
52	Integration of gene normalization stages and co-reference resolution using a Markov logic network. Bioinformatics, 2011, 27, 2586-2594.	1.8	12
53	A Dynamic Programming Re-ranking Approach to Enhance PPI Interactor Extraction. IPSJ Transactions on Bioinformatics, 2010, 3, 91-94.	0.2	0
54	New Challenges for Biological Text-Mining in the Next Decade. Journal of Computer Science and Technology, 2010, 25, 169-179.	0.9	47

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55	Chinese text segmentation: A hybrid approach using transductive learning and statistical association measures. Expert Systems With Applications, 2010, 37, 3553-3560.	4.4	13
56	LAMP, A Lyrics and Audio MandoPop Dataset for Music Mood Estimation: Dataset Compilation, System Construction, and Testing. , 2010, , .		1
57	USING CONTEXTUAL INFORMATION TO CLARIFY CROSS-SPECIES GENE NORMALIZATION AMBIGUITY. International Journal of Software Engineering and Knowledge Engineering, 2010, 20, 197-214.	0.6	1
58	Multistage Gene Normalization and SVM-Based Ranking for Protein Interactor Extraction in Full-Text Articles. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2010, 7, 412-420.	1.9	24
59	A Reinforcement Learning Approach to Emotion-based Automatic Playlist Generation. , 2010, , .		21
60	PubMed-EX: a web browser extension to enhance PubMed search with text mining features. Bioinformatics, 2009, 25, 3031-3032.	1.8	15
61	A supervised learning approach to biological question answering. Integrated Computer-Aided Engineering, 2009, 16, 271-281.	2.5	12
62	HypertenGene: extracting key hypertension genes from biomedical literature with position and automatically-generated template features. BMC Bioinformatics, 2009, 10, S9.	1.2	14
63	Learning weights for translation candidates in Japanese–Chinese information retrieval. Expert Systems With Applications, 2009, 36, 7695-7699.	4.4	7
64	Web-based pattern learning for named entity translation in Korean–Chinese cross-language information retrieval. Expert Systems With Applications, 2009, 36, 3990-3995.	4.4	10
65	Using contextual information to clarify Gene Normalization ambiguity. , 2009, , .		0
66	Using conditional random fields for result identification in biomedical abstracts. Integrated Computer-Aided Engineering, 2009, 16, 339-352.	2.5	8
67	The power of words: Enhancing music mood estimation with textual input of lyrics. , 2009, , .		5
68	A maximum entropy approach to Chinese grapheme-to-phoneme conversion. , 2009, , .		1
69	Web taxonomy integration with hierarchical shrinkage algorithm and fine-grained relations. Expert Systems With Applications, 2008, 35, 2123-2131.	4.4	4
70	Exploiting likely-positive and unlabeled data to improve the identification of protein-protein interaction articles. BMC Bioinformatics, 2008, 9, S3.	1.2	24
71	Semi-automatic conversion of BioProp semantic annotation to PASBio annotation. BMC Bioinformatics, 2008, 9, S18.	1.2	3
72	Overview of BioCreative II gene mention recognition. Genome Biology, 2008, 9, S2.	3.8	300

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73	Introducing meta-services for biomedical information extraction. Genome Biology, 2008, 9, S6.	3.8	61
74	Result identification for biomedical abstracts using Conditional Random Fields. , 2008, , .		3
75	Biological question answering with syntactic and semantic feature matching and an improved mean reciprocal ranking measurement. , 2008, , .		8
76	BIOSMILE web search: a web application for annotating biomedical entities and relations. Nucleic Acids Research, 2008, 36, W390-W398.	6.5	13
77	A Survey of State of the Art Biomedical Text Mining Techniques for Semantic Analysis. , 2008, , .		4
78	Semi-joint Labeling for Chinese Named Entity Recognition. , 2008, , 107-116.		0
79	BESearch: A Supervised Learning Approach to Search for Molecular Event Participants. , 2007, , .		2
80	BIOSMILE: A semantic role labeling system for biomedical verbs using a maximum-entropy model with automatically generated template features. BMC Bioinformatics, 2007, 8, 325.	1.2	45
81	Reference metadata extraction using a hierarchical knowledge representation framework. Decision Support Systems, 2007, 43, 152-167.	3.5	60
82	Various criteria in the evaluation of biomedical named entity recognition. BMC Bioinformatics, 2006, 7, 92.	1.2	80
83	NERBio: using selected word conjunctions, term normalization, and global patterns to improve biomedical named entity recognition. BMC Bioinformatics, 2006, 7, S11.	1.2	98
84	Chinese Word Segmentation with Minimal Linguistic Knowledge: An Improved Conditional Random Fields Coupled with Character Clustering and Automatically Discovered Template Matching. , 2006, , .		1
85	A semi-automatic method for annotating a biomedical proposition bank. , 2006, , .		21
86	BIOSMILE. , 2006, , .		2