

Xiaolong Wang

List of Publications by Year in descending order

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Version: 2024-02-01

108
papers

4,264
citations

186265

28
h-index

114465

63
g-index

110
all docs

110
docs citations

110
times ranked

2667
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Pse-in-One: a web server for generating various modes of pseudo components of DNA, RNA, and protein sequences. <i>Nucleic Acids Research</i> , 2015, 43, W65-W71. | 14.5 | 664 |
| 2 | Combining evolutionary information extracted from frequency profiles with sequence-based kernels for protein remote homology detection. <i>Bioinformatics</i> , 2014, 30, 472-479. | 4.1 | 266 |
| 3 | repDNA: a Python package to generate various modes of feature vectors for DNA sequences by incorporating user-defined physicochemical properties and sequence-order effects. <i>Bioinformatics</i> , 2015, 31, 1307-1309. | 4.1 | 242 |
| 4 | iDNA-Prot dis: Identifying DNA-Binding Proteins by Incorporating Amino Acid Distance-Pairs and Reduced Alphabet Profile into the General Pseudo Amino Acid Composition. <i>PLoS ONE</i> , 2014, 9, e106691. | 2.5 | 242 |
| 5 | Identification of Real MicroRNA Precursors with a Pseudo Structure Status Composition Approach. <i>PLoS ONE</i> , 2015, 10, e0121501. | 2.5 | 193 |
| 6 | Identification of microRNA precursor with the degenerate K-tuple or Kmer strategy. <i>Journal of Theoretical Biology</i> , 2015, 385, 153-159. | 1.7 | 159 |
| 7 | PseDNA-Pro: DNA-Binding Protein Identification by Combining Chou's PseAAC and Physicochemical Distance Transformation. <i>Molecular Informatics</i> , 2015, 34, 8-17. | 2.5 | 152 |
| 8 | Entity recognition from clinical texts via recurrent neural network. <i>BMC Medical Informatics and Decision Making</i> , 2017, 17, 67. | 3.0 | 135 |
| 9 | A discriminative method for protein remote homology detection and fold recognition combining Top-n-grams and latent semantic analysis. <i>BMC Bioinformatics</i> , 2008, 9, 510. | 2.6 | 129 |
| 10 | A comprehensive review and comparison of existing computational methods for intrinsically disordered protein and region prediction. <i>Briefings in Bioinformatics</i> , 2019, 20, 330-346. | 6.5 | 129 |
| 11 | repRNA: a web server for generating various feature vectors of RNA sequences. <i>Molecular Genetics and Genomics</i> , 2016, 291, 473-481. | 2.1 | 122 |
| 12 | iMiRNA-PseDPC: microRNA precursor identification with a pseudo distance-pair composition approach. <i>Journal of Biomolecular Structure and Dynamics</i> , 2016, 34, 223-235. | 3.5 | 120 |
| 13 | Pse-Analysis: a python package for DNA/RNA and protein/peptide sequence analysis based on pseudo components and kernel methods. <i>Oncotarget</i> , 2017, 8, 13338-13343. | 1.8 | 119 |
| 14 | A comprehensive review and comparison of different computational methods for protein remote homology detection. <i>Briefings in Bioinformatics</i> , 2018, 19, 231-244. | 6.5 | 106 |
| 15 | Protein Remote Homology Detection by Combining Chou's Pseudo Amino Acid Composition and Profile-Based Protein Representation. <i>Molecular Informatics</i> , 2013, 32, 775-782. | 2.5 | 103 |
| 16 | Evaluating Word Representation Features in Biomedical Named Entity Recognition Tasks. <i>BioMed Research International</i> , 2014, 2014, 1-6. | 1.9 | 94 |
| 17 | Using Amino Acid Physicochemical Distance Transformation for Fast Protein Remote Homology Detection. <i>PLoS ONE</i> , 2012, 7, e46633. | 2.5 | 94 |
| 18 | DNA binding protein identification by combining pseudo amino acid composition and profile-based protein representation. <i>Scientific Reports</i> , 2015, 5, 15479. | 3.3 | 92 |

| # | ARTICLE | IF | CITATIONS |
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| 19 | Application of learning to rank to protein remote homology detection. <i>Bioinformatics</i> , 2015, 31, 3492-3498. | 4.1 | 85 |
| 20 | iMiRNA-SSF: Improving the Identification of MicroRNA Precursors by Combining Negative Sets with Different Distributions. <i>Scientific Reports</i> , 2016, 6, 19062. | 3.3 | 65 |
| 21 | Protein remote homology detection by combining Chou's distance-pair pseudo amino acid composition and principal component analysis. <i>Molecular Genetics and Genomics</i> , 2015, 290, 1919-1931. | 2.1 | 62 |
| 22 | Automatic de-identification of electronic medical records using token-level and character-level conditional random fields. <i>Journal of Biomedical Informatics</i> , 2015, 58, S47-S52. | 4.3 | 58 |
| 23 | Deep Belief Network-Based Approaches for Link Prediction in Signed Social Networks. <i>Entropy</i> , 2015, 17, 2140-2169. | 2.2 | 48 |
| 24 | Answer Selection in Community Question Answering via Attentive Neural Networks. <i>IEEE Signal Processing Letters</i> , 2017, 24, 505-509. | 3.6 | 40 |
| 25 | A Labeling Method for Financial Time Series Prediction Based on Trends. <i>Entropy</i> , 2020, 22, 1162. | 2.2 | 36 |
| 26 | Entity recognition in Chinese clinical text using attention-based CNN-LSTM-CRF. <i>BMC Medical Informatics and Decision Making</i> , 2019, 19, 74. | 3.0 | 35 |
| 27 | enDNA-Prot: Identification of DNA-Binding Proteins by Applying Ensemble Learning. <i>BioMed Research International</i> , 2014, 2014, 1-10. | 1.9 | 32 |
| 28 | A hybrid method of recurrent neural network and graph neural network for next-period prescription prediction. <i>International Journal of Machine Learning and Cybernetics</i> , 2020, 11, 2849-2856. | 3.6 | 32 |
| 29 | Incorporating loose-structured knowledge into conversation modeling via recall-gate LSTM. , 2017, , . | | 31 |
| 30 | iRSpot-DACC: a computational predictor for recombination hot/cold spots identification based on dinucleotide-based auto-cross covariance. <i>Scientific Reports</i> , 2016, 6, 33483. | 3.3 | 29 |
| 31 | A comparison of conditional random fields and structured support vector machines for chemical entity recognition in biomedical literature. <i>Journal of Cheminformatics</i> , 2015, 7, S8. | 6.1 | 26 |
| 32 | A Hybrid Method Based on Extreme Learning Machine and Wavelet Transform Denoising for Stock Prediction. <i>Entropy</i> , 2021, 23, 440. | 2.2 | 25 |
| 33 | Recognizing Continuous and Discontinuous Adverse Drug Reaction Mentions from Social Media Using LSTM-CRF. <i>Wireless Communications and Mobile Computing</i> , 2018, 2018, 1-8. | 1.2 | 23 |
| 34 | Distributed representation and one-hot representation fusion with gated network for clinical semantic textual similarity. <i>BMC Medical Informatics and Decision Making</i> , 2020, 20, 72. | 3.0 | 23 |
| 35 | A support vector machine based MSM model for financial short-term volatility forecasting. <i>Neural Computing and Applications</i> , 2013, 22, 21-28. | 5.6 | 22 |
| 36 | Jointly modeling transfer learning of industrial chain information and deep learning for stock prediction. <i>Expert Systems With Applications</i> , 2022, 191, 116257. | 7.6 | 22 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Cohort selection for clinical trials using hierarchical neural network. Journal of the American Medical Informatics Association: JAMIA, 2019, 26, 1203-1208. | 4.4 | 21 |
| 38 | Protein Remote Homology Detection and Fold Recognition Based on Sequence-Order Frequency Matrix. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2019, 16, 292-300. | 3.0 | 21 |
| 39 | RFPR-IDP: reduce the false positive rates for intrinsically disordered protein and region prediction by incorporating both fully ordered proteins and disordered proteins. Briefings in Bioinformatics, 2021, 22, 2000-2011. | 6.5 | 20 |
| 40 | IDP-CRF: Intrinsically Disordered Protein/Region Identification Based on Conditional Random Fields. International Journal of Molecular Sciences, 2018, 19, 2483. | 4.1 | 19 |
| 41 | Family history information extraction via deep joint learning. BMC Medical Informatics and Decision Making, 2019, 19, 277. | 3.0 | 18 |
| 42 | Augmentation and heterogeneous graph neural network for AAAI2021-COVID-19 fake news detection. International Journal of Machine Learning and Cybernetics, 2022, 13, 2033-2043. | 3.6 | 18 |
| 43 | Scaling Gaussian RBF kernel width to improve SVM classification. , 0, , . | | 15 |
| 44 | Extracting entities with attributes in clinical text via joint deep learning. Journal of the American Medical Informatics Association: JAMIA, 2019, 26, 1584-1591. | 4.4 | 14 |
| 45 | A fine-grained Chinese word segmentation and part-of-speech tagging corpus for clinical text. BMC Medical Informatics and Decision Making, 2019, 19, 66. | 3.0 | 14 |
| 46 | Construction of stock portfolios based on k-means clustering of continuous trend features. Knowledge-Based Systems, 2022, 252, 109358. | 7.1 | 14 |
| 47 | Extracting Chinese question-answer pairs from online forums. , 2009, , . | | 13 |
| 48 | Identification of Intrinsically Disordered Proteins and Regions by Length-Dependent Predictors Based on Conditional Random Fields. Molecular Therapy - Nucleic Acids, 2019, 17, 396-404. | 5.1 | 13 |
| 49 | Multi-channel fusion LSTM for medical event prediction using EHRs. Journal of Biomedical Informatics, 2022, 127, 104011. | 4.3 | 13 |
| 50 | A stock time series forecasting approach incorporating candlestick patterns and sequence similarity. Expert Systems With Applications, 2022, 205, 117595. | 7.6 | 12 |
| 51 | Mining Pinyin-to-Character Conversion Rules From Large-Scale Corpus: A Rough Set Approach. IEEE Transactions on Systems, Man, and Cybernetics, 2004, 34, 834-844. | 5.0 | 11 |
| 52 | A hybrid framework based on extreme learning machine, discrete wavelet transform, and autoencoder with feature penalty for stock prediction. Expert Systems With Applications, 2022, 207, 118006. | 7.6 | 11 |
| 53 | Features for link prediction in social networks: A comprehensive study. , 2012, , . | | 10 |
| 54 | Combining trigram and automatic weight distribution in Chinese spelling error correction. Journal of Computer Science and Technology, 2002, 17, 915-923. | 1.5 | 9 |

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| 55 | Protein Binding Site Prediction by Combining Hidden Markov Support Vector Machine and Profile-Based Propensities. Scientific World Journal, The, 2014, 2014, 1-6. | 2.1 | 9 |
| 56 | Structural regularity exploration in multidimensional networks via Bayesian inference. Neural Computing and Applications, 2018, 29, 413-424. | 5.6 | 9 |
| 57 | Distant Supervision for Relation Extraction with Ranking-Based Methods. Entropy, 2016, 18, 204. | 2.2 | 7 |
| 58 | Chinese Clinical Entity Recognition via Attention-Based CNN-LSTM-CRF. , 2018, , . | | 7 |
| 59 | COMBINING MULTIPLE CLASSIFIERS BASED ON A STATISTICAL METHOD FOR HANDWRITTEN CHINESE CHARACTER RECOGNITION. International Journal of Pattern Recognition and Artificial Intelligence, 2005, 19, 1027-1040. | 1.2 | 6 |
| 60 | PFC: A Novel Perceptual Features-Based Framework for Time Series Classification. Entropy, 2021, 23, 1059. | 2.2 | 6 |
| 61 | Transfer learning and GRU-CRF augmentation for Covid-19 fake news detection. Computer Science and Information Systems, 2022, 19, 639-658. | 1.0 | 6 |
| 62 | Recognizing Disjoint Clinical Concepts in Clinical Text Using Machine Learning-based Methods. AMIA ... Annual Symposium proceedings, 2015, 2015, 1184-93. | 0.2 | 6 |
| 63 | Fast and Robust Online Handwritten Chinese Character Recognition With Deep Spatial and Contextual Information Fusion Network. IEEE Transactions on Multimedia, 2023, 25, 2140-2152. | 7.2 | 6 |
| 64 | STRank: A SiteRank algorithm using semantic relevance and time frequency. , 2009, , . | | 5 |
| 65 | Biomedical named entity recognition using generalized expectation criteria. International Journal of Machine Learning and Cybernetics, 2011, 2, 235-243. | 3.6 | 5 |
| 66 | Dynamic Working Memory for Context-Aware Response Generation. IEEE/ACM Transactions on Audio Speech and Language Processing, 2019, 27, 1419-1431. | 5.8 | 5 |
| 67 | Temporal indexing of medical entity in Chinese clinical notes. BMC Medical Informatics and Decision Making, 2019, 19, 17. | 3.0 | 5 |
| 68 | Optimizing ranking for response prediction via triplet-wise learning from historical feedback. International Journal of Machine Learning and Cybernetics, 2017, 8, 1777-1793. | 3.6 | 5 |
| 69 | A BERT-Based Generation Model to Transform Medical Texts to SQL Queries for Electronic Medical Records: Model Development and Validation. JMIR Medical Informatics, 2021, 9, e32698. | 2.6 | 5 |
| 70 | Improving deep learning method for biomedical named entity recognition by using entity definition information. BMC Bioinformatics, 2021, 22, 600. | 2.6 | 4 |
| 71 | Automatic text summarization based on textual cohesion. Journal of Electronics, 2007, 24, 338-346. | 0.2 | 3 |
| 72 | Study on feature selection in finance text categorization. , 2009, , . | | 3 |

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| 73 | Exploring social features for answer quality prediction in CQA portals. , 2013, , . | | 3 |
| 74 | Learning to recognize opinion targets using recurrent neural networks. Pattern Recognition Letters, 2018, 106, 41-46. | 4.2 | 3 |
| 75 | Gated Semantic Difference Based Sentence Semantic Equivalence Identification. IEEE/ACM Transactions on Audio Speech and Language Processing, 2020, 28, 2770-2780. | 5.8 | 3 |
| 76 | CapsTM: capsule network for Chinese medical text matching. BMC Medical Informatics and Decision Making, 2021, 21, 94. | 3.0 | 3 |
| 77 | TB-BCG: Topic-Based BART Counterfeit Generator for Fake News Detection. Mathematics, 2022, 10, 585. | 2.2 | 3 |
| 78 | Chinese Unknown Word Recognition Using Improved Conditional Random Fields. , 2008, , . | | 2 |
| 79 | An interactive semantic knowledge base unifying Wikipedia and HowNet. , 2009, , . | | 2 |
| 80 | Extracting Event Temporal Information Based on Web. , 2009, , . | | 2 |
| 81 | Bias Modeling for Distantly Supervised Relation Extraction. Mathematical Problems in Engineering, 2015, 2015, 1-10. | 1.1 | 2 |
| 82 | Entity disambiguation with decomposable neural networks. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2017, 7, e1215. | 6.8 | 2 |
| 83 | A Novel Time-Sensitive Composite Similarity Model for Multivariate Time-Series Correlation Analysis. Entropy, 2021, 23, 731. | 2.2 | 2 |
| 84 | Statistical analysis of the community lockdown for COVID-19 pandemic. Applied Intelligence, 2021, , 1-18. | 5.3 | 2 |
| 85 | KEoG: A knowledge-aware edge-oriented graph neural network for document-level relation extraction. , 2020, , . | | 2 |
| 86 | De-identification of Clinical Text via Bi-LSTM-CRF with Neural Language Models. AMIA ... Annual Symposium proceedings, 2019, 2019, 857-863. | 0.2 | 2 |
| 87 | A new linguistic decoding method for online handwritten Chinese character recognition. Journal of Computer Science and Technology, 2000, 15, 597-603. | 1.5 | 1 |
| 88 | AN APPROACH TO NATURAL STROKE EXTRACTION FOR OFF-LINE LOOSELY-CONSTRAINED HANDWRITTEN CHINESE CHARACTERS. International Journal of Pattern Recognition and Artificial Intelligence, 2003, 17, 1483-1513. | 1.2 | 1 |
| 89 | Research of Pinyin-To-Character conversion based on Maximum Entropy model. Journal of Electronics, 2006, 23, 864-869. | 0.2 | 1 |
| 90 | Genre identification of Chinese finance text using machine learning method. Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics, 2008, , . | 0.0 | 1 |

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| 91 | A Block Segmentation Based Approach for Web Information Extraction. , 2010, , . | | 1 |
| 92 | Evaluating tag quality for blogger modelling via topic models. , 2015, , . | | 1 |
| 93 | Combining feature scaling estimation with SVM classifier design using GA approach. Journal of Electronics, 2005, 22, 550-557. | 0.2 | 0 |
| 94 | Model fusion of conditional random fields. , 2007, , . | | 0 |
| 95 | A Dynamic SOM Algorithm for Clustering Large-Scale Document Collection. , 2007, , . | | 0 |
| 96 | A Maximum Entropy chunking model with N-fold template correction. Journal of Electronics, 2007, 24, 690-695. | 0.2 | 0 |
| 97 | Semantic Chunk Annotation for questions using Maximum Entropy. Conference Proceedings IEEE International Conference on Systems, Man, and Cybernetics, 2008, , . | 0.0 | 0 |
| 98 | Chinese chunking and its application on similarity computation. , 2008, , . | | 0 |
| 99 | Foxinfo1.0: A Chinese Topic-Oriented Search Engine. , 2009, , . | | 0 |
| 100 | An Ontology-Based NLP Approach to Semantic Annotation of Annual Report. , 2009, , . | | 0 |
| 101 | Multi-class Relationship Extraction from Biomedical Literature Using Maximum Entropy. , 2010, , . | | 0 |
| 102 | Ranknet based English stressed syllable detection. , 2010, , . | | 0 |
| 103 | CogQTaxo: Modeling human cognitive process with a three-dimensional question taxonomy. , 2010, , . | | 0 |
| 104 | Sequence memoizer based model for Biomedical Named Entity Recognition. , 2012, , . | | 0 |
| 105 | N-gram distribution and unification gain problem and its optimal solution. International Journal of Systems Science, 2015, 46, 1327-1336. | 5.5 | 0 |
| 106 | Learning to Generate Diverse Questions from Keywords. , 2020, , . | | 0 |
| 107 | Novel Graph-Based Model With Biaffine Attention for Family History Extraction From Clinical Text: Modeling Study. JMIR Medical Informatics, 2021, 9, e23587. | 2.6 | 0 |
| 108 | SOFM-Top: Protein Remote Homology Detection and Fold Recognition Based on Sequence-Order Frequency Matrix. Lecture Notes in Computer Science, 2017, , 469-480. | 1.3 | 0 |