

Sergio Matos

List of Publications by Year in descending order

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Version: 2024-02-01

74
papers

2,179
citations

304743

22
h-index

233421

45
g-index

79
all docs

79
docs citations

79
times ranked

2331
citing authors

#	ARTICLE	IF	CITATIONS
1	The Leicester Cough Monitor: preliminary validation of an automated cough detection system in chronic cough. <i>European Respiratory Journal</i> , 2008, 31, 1013-1018.	6.7	247
2	Detection of Cough Signals in Continuous Audio Recordings Using Hidden Markov Models. <i>IEEE Transactions on Biomedical Engineering</i> , 2006, 53, 1078-1083.	4.2	172
3	The CHEMDNER corpus of chemicals and drugs and its annotation principles. <i>Journal of Cheminformatics</i> , 2015, 7, S2.	6.1	166
4	Cough frequency, cough sensitivity and health status in patients with chronic cough. <i>Respiratory Medicine</i> , 2006, 100, 1105-1109.	2.9	141
5	The Protein-Protein Interaction tasks of BioCreative III: classification/ranking of articles and linking bio-ontology concepts to full text. <i>BMC Bioinformatics</i> , 2011, 12, S3.	2.6	121
6	Twitter: A Good Place to Detect Health Conditions. <i>PLoS ONE</i> , 2014, 9, e86191.	2.5	118
7	The gene normalization task in BioCreative III. <i>BMC Bioinformatics</i> , 2011, 12, S2.	2.6	101
8	An Automated System for 24-h Monitoring of Cough Frequency: The Leicester Cough Monitor. <i>IEEE Transactions on Biomedical Engineering</i> , 2007, 54, 1472-1479.	4.2	75
9	Gimli: open source and high-performance biomedical name recognition. <i>BMC Bioinformatics</i> , 2013, 14, 54.	2.6	74
10	A Longitudinal Assessment of Acute Cough. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013, 187, 991-997.	5.6	65
11	BeCAS: biomedical concept recognition services and visualization. <i>Bioinformatics</i> , 2013, 29, 1915-1916.	4.1	62
12	Obstructive sleep apnoea: a cause of chronic cough. <i>Cough</i> , 2007, 3, 7.	2.7	60
13	Analysing Twitter and web queries for flu trend prediction. <i>Theoretical Biology and Medical Modelling</i> , 2014, 11, S6.	2.1	56
14	A modular framework for biomedical concept recognition. <i>BMC Bioinformatics</i> , 2013, 14, 281.	2.6	53
15	Cough frequency in health and disease. <i>European Respiratory Journal</i> , 2013, 41, 241-243.	6.7	51
16	Long-term low-dose erythromycin in patients with unexplained chronic cough: a double-blind placebo controlled trial. <i>Thorax</i> , 2010, 65, 1107-1110.	5.6	48
17	Biomedical Named Entity Recognition: A Survey of Machine-Learning Tools. , 0, , .		39
18	Overview of the interactive task in BioCreative V. Database: the Journal of Biological Databases and Curation, 2016, 2016, baw119.	3.0	36

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19	Computational prediction of the human-microbial oral interactome. BMC Systems Biology, 2014, 8, 24.	3.0	33
20	Concept-based query expansion for retrieving gene related publications from MEDLINE. BMC Bioinformatics, 2010, 11, 212.	2.6	32
21	TrigNER: automatically optimized biomedical event trigger recognition on scientific documents. Source Code for Biology and Medicine, 2014, 9, 1.	1.7	31
22	Overview of the BioCreative VI Precision Medicine Track: mining protein interactions and mutations for precision medicine. Database: the Journal of Biological Databases and Curation, 2019, 2019, .	3.0	30
23	BioCreative V BioC track overview: collaborative biocurator assistant task for BioGRID. Database: the Journal of Biological Databases and Curation, 2016, 2016, baw121.	3.0	28
24	Sound: a non-invasive measure of cough intensity. BMJ Open Respiratory Research, 2017, 4, e000178.	3.0	28
25	Daily cough frequency in tuberculosis and association with household infection. International Journal of Tuberculosis and Lung Disease, 2018, 22, 863-870.	1.2	25
26	Four-Hour Cough Frequency Monitoring in Chronic Cough. Chest, 2012, 142, 1237-1243.	0.8	22
27	Egas: a collaborative and interactive document curation platform. Database: the Journal of Biological Databases and Curation, 2014, 2014, bau048-bau048.	3.0	20
28	A document processing pipeline for annotating chemical entities in scientific documents. Journal of Cheminformatics, 2015, 7, S7.	6.1	18
29	The Objective Assessment of Cough Frequency in Bronchiectasis. Lung, 2017, 195, 575-585.	3.3	18
30	SCREEN-DR: Collaborative platform for diabetic retinopathy. International Journal of Medical Informatics, 2018, 120, 137-146.	3.3	17
31	Ejection Fraction Classification in Transthoracic Echocardiography Using a Deep Learning Approach. , 2018, , .		17
32	Understanding Depression from Psycholinguistic Patterns in Social Media Texts. Lecture Notes in Computer Science, 2020, , 402-409.	1.3	17
33	Harmonization of gene/protein annotations: towards a gold standard MEDLINE. Bioinformatics, 2012, 28, 1253-1261.	4.1	13
34	An Overview of Biomolecular Event Extraction from Scientific Documents. Computational and Mathematical Methods in Medicine, 2015, 2015, 1-19.	1.3	13
35	Supervised Learning and Knowledge-Based Approaches Applied to Biomedical Word Sense Disambiguation. Journal of Integrative Bioinformatics, 2017, 14, .	1.5	10
36	Rule-based extraction of family history information from clinical notes. , 2020, , .		9

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37	Configurable web-services for biomedical document annotation. <i>Journal of Cheminformatics</i> , 2018, 10, 68.	6.1	8
38	Extraction of chemical-protein interactions from the literature using neural networks and narrow instance representation. <i>Database: the Journal of Biological Databases and Curation</i> , 2019, 2019, .	3.0	7
39	A two-stage workflow to extract and harmonize drug mentions from clinical notes into observational databases. <i>Journal of Biomedical Informatics</i> , 2021, 120, 103849.	4.3	7
40	Rule-based and Machine Learning Hybrid System for Patient Cohort Selection. , 2019, , .		7
41	Evaluating semantic textual similarity in clinical sentences using deep learning and sentence embeddings. , 2020, , .		7
42	NAPRT Expression Regulation Mechanisms: Novel Functions Predicted by a Bioinformatics Approach. <i>Genes</i> , 2021, 12, 2022.	2.4	7
43	Mining clinical attributes of genomic variants through assisted literature curation in Egas. <i>Database: the Journal of Biological Databases and Curation</i> , 2016, 2016, baw096.	3.0	6
44	Calling Attention to Passages for Biomedical Question Answering. <i>Lecture Notes in Computer Science</i> , 2020, , 69-77.	1.3	6
45	Chemical identification and indexing in PubMed full-text articles using deep learning and heuristics. <i>Database: the Journal of Biological Databases and Curation</i> , 2022, 2022, .	3.0	5
46	Pattern recognition for cache management in distributed medical imaging environments. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2016, 11, 327-336.	2.8	4
47	An Intelligent Cloud Storage Gateway for Medical Imaging. <i>Journal of Medical Systems</i> , 2017, 41, 141.	3.6	4
48	Classification methods for finding articles describing protein-protein interactions in PubMed. <i>Journal of Integrative Bioinformatics</i> , 2011, 8, 118-129.	1.5	3
49	Statistical Complexity Analysis of Turing Machine tapes with Fixed Algorithmic Complexity Using the Best-Order Markov Model. <i>Entropy</i> , 2020, 22, 105.	2.2	3
50	Classification methods for finding articles describing protein-protein interactions in PubMed. <i>Journal of Integrative Bioinformatics</i> , 2011, 8, 178.	1.5	3
51	S117 4 h cough frequency monitoring with the Leicester Cough Monitor. <i>Thorax</i> , 2010, 65, A54-A54.	5.6	2
52	Protein-Protein Interaction Article Classification Using a Convolutional Recurrent Neural Network with Pre-trained Word Embeddings. <i>Journal of Integrative Bioinformatics</i> , 2017, 14, .	1.5	2
53	Automated ICD-9-CM medical coding of diabetic patient's clinical reports. , 2018, , .		2
54	Patient Trajectory Modelling in Longitudinal Data: A Review on Existing Solutions. , 2021, , .		2

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55	A Semantic Layer for Unifying and Exploring Biomedical Document Curation Results. Lecture Notes in Computer Science, 2015, , 8-17.	1.3	2
56	Extraction of Family History Information From Clinical Notes: Deep Learning and Heuristics Approach. JMIR Medical Informatics, 2020, 8, e22898.	2.6	2
57	Clinical Concept Normalization on Medical Records Using Word Embeddings and Heuristics. Studies in Health Technology and Informatics, 2020, 270, 93-97.	0.3	2
58	Feature-Based Classification of Archaeal Sequences Using Compression-Based Methods. Lecture Notes in Computer Science, 2022, , 309-320.	1.3	2
59	"THE LEICESTER COUGH MONITOR: A SEMI-AUTOMATED, SEMI-VALIDATED COUGH DETECTION SYSTEM?". S.S. BIRRING, V.M. MANN, S. MATOS, N. YOUSAF, C. WOOD, T. FLEMING, D.H. EVANS, A.H. MORICE AND I.D. PAVORD. EUR RESPIR J 2008; 32: 530-531.. European Respiratory Journal, 2009, 33, 224-224.	6.7	1
60	Ann2RDF. , 2015, , .		1
61	Incremental Learning Versus Batch Learning for Classification of User's Behaviour in Medical Imaging. , 2015, , .		1
62	Enhancing Decision-making Systems with Relevant Patient Information by Leveraging Clinical Notes. , 2020, , .		1
63	Extracting Sentences Describing Biomolecular Events from the Biomedical Literature. Advances in Intelligent Systems and Computing, 2014, , 417-424.	0.6	1
64	Improving Document Prioritization for Protein-Protein Interaction Extraction Using Shallow Linguistics and Word Embeddings. Advances in Intelligent Systems and Computing, 2017, , 43-49.	0.6	1
65	Neural network classification of cerebral embolic signals. , 0, , .		0
66	S140 Predictors of 24-h cough frequency in acute cough. Thorax, 2011, 66, A64-A64.	5.6	0
67	S144 Acute cough: a longitudinal observational study. Thorax, 2011, 66, A65-A66.	5.6	0
68	Recognition of genetic mutations in text using deep learning. , 2018, , .		0
69	Leveraging Clinical Notes for Enhancing Decision-Making Systems with Relevant Patient Information. Communications in Computer and Information Science, 2021, , 521-540.	0.5	0
70	Improving Cross Mapping in Biomedical Databases. Advances in Intelligent and Soft Computing, 2010, , 69-76.	0.2	0
71	Expanding Gene-Based PubMed Queries. Advances in Intelligent and Soft Computing, 2010, , 61-68.	0.2	0
72	Prioritizing Literature Search Results Using a Training Set of Classified Documents. Advances in Intelligent and Soft Computing, 2011, , 381-388.	0.2	0

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73	Analysing Relevant Diseases from Iberian Tweets. Advances in Intelligent Systems and Computing, 2013, , 69-76.	0.6	0
74	Structuring and Exploring the Biomedical Literature Using Latent Semantics. Advances in Intelligent Systems and Computing, 2013, , 609-616.	0.6	0