Sergio Matos

List of Publications by Year
in descending order

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	Feature-Based Classification of Archaeal Sequences Using Compression-Based Methods. Lecture Notes in Computer Science, 2022, , 309-320.	1.3	2
2	Chemical identification and indexing in PubMed full-text articles using deep learning and heuristics. Database: the Journal of Biological Databases and Curation, 2022, 2022, .	3.0	5
3	Patient Trajectory Modelling in Longitudinal Data: A Review on Existing Solutions. , 2021, , .		2
4	A two-stage workflow to extract and harmonize drug mentions from clinical notes into observational databases. Journal of Biomedical Informatics, 2021, 120, 103849.	4.3	7
5	Leveraging Clinical Notes for Enhancing Decision-Making Systems with Relevant Patient Information. Communications in Computer and Information Science, 2021, , 521-540.	0.5	0
6	NAPRT Expression Regulation Mechanisms: Novel Functions Predicted by a Bioinformatics Approach. Genes, 2021, 12, 2022.	2.4	7
7	Statistical Complexity Analysis of Turing Machine tapes with Fixed Algorithmic Complexity Using the Best-Order Markov Model. Entropy, 2020, 22, 105.	2.2	3
8	Understanding Depression from Psycholinguistic Patterns in Social Media Texts. Lecture Notes in Computer Science, 2020, , 402-409.	1.3	17
9	Rule-based extraction of family history information from clinical notes. , 2020, , .		9
10	Extraction of Family History Information From Clinical Notes: Deep Learning and Heuristics Approach. JMIR Medical Informatics, 2020, 8, e22898.	2.6	2
11	Enhancing Decision-making Systems with Relevant Patient Information by Leveraging Clinical Notes. , 2020, , .		1
12	Calling Attention to Passages for Biomedical Question Answering. Lecture Notes in Computer Science, 2020, , 69-77.	1.3	6
13	Evaluating semantic textual similarity in clinical sentences using deep learning and sentence embeddings. , 2020, , .		7
14	Clinical Concept Normalization on Medical Records Using Word Embeddings and Heuristics. Studies in Health Technology and Informatics, 2020, 270, 93-97.	0.3	2
15	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
16	Extraction of chemical–protein interactions from the literature using neural networks and narrow instance representation. Database: the Journal of Biological Databases and Curation, 2019, 2019, .	3.0	7
17	Rule-based and Machine Learning Hybrid System for Patient Cohort Selection. , 2019, , .		7
18	Configurable web-services for biomedical document annotation. Journal of Cheminformatics, 2018, 10, 68.	6.1	8

#	Article	IF	Citations
19	Recognition of genetic mutations in text using deep learning. , 2018, , .		0
20	Automated ICD-9-CM medical coding of diabetic patient's clinical reports. , 2018, , .		2
21	SCREEN-DR: Collaborative platform for diabetic retinopathy. International Journal of Medical Informatics, 2018, 120, 137-146.	3.3	17
22	Ejection Fraction Classification in Transthoracic Echocardiography Using a Deep Learning Approach. , 2018, , .		17
23	Daily cough frequency in tuberculosis and association with household infection. International Journal of Tuberculosis and Lung Disease, 2018, 22, 863-870.	1.2	25
24	Sound: a non-invasive measure of cough intensity. BMJ Open Respiratory Research, 2017, 4, e000178.	3.0	28
25	The Objective Assessment of Cough Frequency in Bronchiectasis. Lung, 2017, 195, 575-585.	3.3	18
26	An Intelligent Cloud Storage Gateway for Medical Imaging. Journal of Medical Systems, 2017, 41, 141.	3.6	4
27	Protein-Protein Interaction Article Classification Using a Convolutional Recurrent Neural Network with Pre-trained Word Embeddings. Journal of Integrative Bioinformatics, 2017, 14, .	1.5	2
28	Supervised Learning and Knowledge-Based Approaches Applied to Biomedical Word Sense Disambiguation. Journal of Integrative Bioinformatics, 2017, 14, .	1.5	10
29	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
30	Mining clinical attributes of genomic variants through assisted literature curation in Egas. Database: the Journal of Biological Databases and Curation, 2016, 2016, baw096.	3.0	6
31	Overview of the interactive task in BioCreative V. Database: the Journal of Biological Databases and Curation, 2016, 2016, baw119.	3.0	36
32	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
33	Pattern recognition for cache management in distributed medical imaging environments. International Journal of Computer Assisted Radiology and Surgery, 2016, 11, 327-336.	2.8	4
34	Ann2RDF. , 2015, , .		1
35	The CHEMDNER corpus of chemicals and drugs and its annotation principles. Journal of Cheminformatics, 2015, 7, S2.	6.1	166
36	A document processing pipeline for annotating chemical entities in scientific documents. Journal of Cheminformatics, 2015, 7, S7.	6.1	18

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37	An Overview of Biomolecular Event Extraction from Scientific Documents. Computational and Mathematical Methods in Medicine, 2015, 2015, 1-19.	1.3	13
38	A Semantic Layer for Unifying and Exploring Biomedical Document Curation Results. Lecture Notes in Computer Science, 2015, , 8-17.	1.3	2
39	Incremental Learning Versus Batch Learning for Classification of User's Behaviour in Medical Imaging. , 2015, , .		1
40	Egas: a collaborative and interactive document curation platform. Database: the Journal of Biological Databases and Curation, 2014, 2014, bau048-bau048.	3.0	20
41	TrigNER: automatically optimized biomedical event trigger recognition on scientific documents. Source Code for Biology and Medicine, 2014, 9, 1.	1.7	31
42	Analysing Twitter and web queries for flu trend prediction. Theoretical Biology and Medical Modelling, 2014, 11, S6.	2.1	56
43	Computational prediction of the human-microbial oral interactome. BMC Systems Biology, 2014, 8, 24.	3.0	33
44	Twitter: A Good Place to Detect Health Conditions. PLoS ONE, 2014, 9, e86191.	2.5	118
45	Extracting Sentences Describing Biomolecular Events from the Biomedical Literature. Advances in Intelligent Systems and Computing, 2014, , 417-424.	0.6	1
46	Gimli: open source and high-performance biomedical name recognition. BMC Bioinformatics, 2013, 14, 54.	2.6	74
47	A modular framework for biomedical concept recognition. BMC Bioinformatics, 2013, 14, 281.	2.6	53
48	Cough frequency in health and disease. European Respiratory Journal, 2013, 41, 241-243.	6.7	51
49	A Longitudinal Assessment of Acute Cough. American Journal of Respiratory and Critical Care Medicine, 2013, 187, 991-997.	5.6	65
50	BeCAS: biomedical concept recognition services and visualization. Bioinformatics, 2013, 29, 1915-1916.	4.1	62
51	Analysing Relevant Diseases from Iberian Tweets. Advances in Intelligent Systems and Computing, 2013, , 69-76.	0.6	0
52	Structuring and Exploring the Biomedical Literature Using Latent Semantics. Advances in Intelligent Systems and Computing, 2013, , 609-616.	0.6	0
53	Four-Hour Cough Frequency Monitoring in Chronic Cough. Chest, 2012, 142, 1237-1243.	0.8	22
54	Harmonization of gene/protein annotations: towards a gold standard MEDLINE. Bioinformatics, 2012, 28, 1253-1261.	4.1	13

#	Article	IF	Citations
55	Classification methods for finding articles describing protein-protein interactions in PubMed. Journal of Integrative Bioinformatics, 2011, 8, 118-129.	1.5	3
56	The gene normalization task in BioCreative III. BMC Bioinformatics, 2011, 12, S2.	2.6	101
57	The Protein-Protein Interaction tasks of BioCreative III: classification/ranking of articles and linking bio-ontology concepts to full text. BMC Bioinformatics, 2011, 12, S3.	2.6	121
58	S140 Predictors of 24-h cough frequency in acute cough. Thorax, 2011, 66, A64-A64.	5.6	0
59	S144 Acute cough: a longitudinal observational study. Thorax, 2011, 66, A65-A66.	5.6	0
60	Prioritizing Literature Search Results Using a Training Set of Classified Documents. Advances in Intelligent and Soft Computing, 2011, , 381-388.	0.2	0
61	Classification methods for finding articles describing protein-protein interactions in PubMed. Journal of Integrative Bioinformatics, 2011, 8, 178.	1.5	3
62	Concept-based query expansion for retrieving gene related publications from MEDLINE. BMC Bioinformatics, 2010, 11, 212.	2.6	32
63	Long-term low-dose erythromycin in patients with unexplained chronic cough: a double-blind placebo controlled trial. Thorax, 2010, 65, 1107-1110.	5.6	48
64	S117 4 h cough frequency monitoring with the Leicester Cough Monitor. Thorax, 2010, 65, A54-A54.	5.6	2
65	Improving Cross Mapping in Biomedical Databases. Advances in Intelligent and Soft Computing, 2010, , 69-76.	0.2	0
66	Expanding Gene-Based PubMed Queries. Advances in Intelligent and Soft Computing, 2010, , 61-68.	0.2	0
67	"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
68	The Leicester Cough Monitor: preliminary validation of an automated cough detection system in chronic cough. European Respiratory Journal, 2008, 31, 1013-1018.	6.7	247
69	Obstructive sleep apnoea: a cause of chronic cough. Cough, 2007, 3, 7.	2.7	60
70	An Automated System for 24-h Monitoring of Cough Frequency: The Leicester Cough Monitor. IEEE Transactions on Biomedical Engineering, 2007, 54, 1472-1479.	4.2	75
71	Cough frequency, cough sensitivity and health status in patients with chronic cough. Respiratory Medicine, 2006, 100, 1105-1109.	2.9	141
72	Detection of Cough Signals in Continuous Audio Recordings Using Hidden Markov Models. IEEE Transactions on Biomedical Engineering, 2006, 53, 1078-1083.	4.2	172

#	ARTICLE	IF	CITATIONS
73	Neural network classification of cerebral embolic signals. , 0, , .		0
74	Biomedical Named Entity Recognition: A Survey of Machine-Learning Tools. , 0, , .		39