

Marie-Christine Jaulent

List of Publications by Year in descending order

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Version: 2024-02-01

106
papers

1,353
citations

361045

20
h-index

414034

32
g-index

112
all docs

112
docs citations

112
times ranked

1419
citing authors

#	ARTICLE	IF	CITATIONS
1	Adverse Drug Reaction Identification and Extraction in Social Media: A Scoping Review. <i>Journal of Medical Internet Research</i> , 2015, 17, e171.	2.1	101
2	A general approach to parameter evaluation in fuzzy digital pictures. <i>Pattern Recognition Letters</i> , 1987, 6, 251-259.	2.6	92
3	Appraisal of the MedDRA Conceptual Structure for Describing and Grouping Adverse Drug Reactions. <i>Drug Safety</i> , 2005, 28, 19-34.	1.4	88
4	Integrating clinical research with the Healthcare Enterprise: From the RE-USE project to the EHR4CR platform. <i>Journal of Biomedical Informatics</i> , 2011, 44, S94-S102.	2.5	72
5	Implementation of automated signal generation in pharmacovigilance using a knowledge-based approach. <i>International Journal of Medical Informatics</i> , 2005, 74, 563-571.	1.6	48
6	Building an ontology of adverse drug reactions for automated signal generation in pharmacovigilance. <i>Computers in Biology and Medicine</i> , 2006, 36, 748-767.	3.9	47
7	Toward a Formalization of the Process to Select IMIA Yearbook Best Papers. <i>Methods of Information in Medicine</i> , 2015, 54, 135-144.	0.7	46
8	Diagnosis Support System based on clinical guidelines: comparison between Case-Based Fuzzy Cognitive Maps and Bayesian Networks. <i>Computer Methods and Programs in Biomedicine</i> , 2014, 113, 133-143.	2.6	40
9	Object structure and action requirements: A compatibility model for functional recognition. <i>International Journal of Intelligent Systems</i> , 1991, 6, 313-336.	3.3	39
10	Computational Approaches for Pharmacovigilance Signal Detection: Toward Integrated and Semantically-Enriched Frameworks. <i>Drug Safety</i> , 2015, 38, 219-232.	1.4	38
11	Analysis of overridden alerts in a drug-drug interaction detection system. <i>International Journal for Quality in Health Care</i> , 2008, 20, 400-405.	0.9	33
12	Improving information retrieval using Medical Subject Headings Concepts: a test case on rare and chronic diseases. <i>Journal of the Medical Library Association: JMLA</i> , 2012, 100, 176-183.	0.6	31
13	A case report: using SNOMED CT for grouping Adverse Drug Reactions Terms. <i>BMC Medical Informatics and Decision Making</i> , 2008, 8, S4.	1.5	29
14	Interobserver variability in the interpretation of renal digital subtraction angiography.. <i>American Journal of Roentgenology</i> , 1999, 173, 1285-1288.	1.0	27
15	Formalizing MedDRA to support semantic reasoning on adverse drug reaction terms. <i>Journal of Biomedical Informatics</i> , 2014, 49, 282-291.	2.5	26
16	Building medical ontologies by terminology extraction from texts: An experiment for the intensive care units. <i>Computers in Biology and Medicine</i> , 2006, 36, 857-870.	3.9	24
17	Building an ontology of pulmonary diseases with natural language processing tools using textual corpora. <i>International Journal of Medical Informatics</i> , 2007, 76, 208-215.	1.6	24
18	Application of probabilistic and fuzzy cognitive approaches in semantic web framework for medical decision support. <i>Computer Methods and Programs in Biomedicine</i> , 2013, 112, 580-598.	2.6	22

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19	OntoADR a semantic resource describing adverse drug reactions to support searching, coding, and information retrieval. <i>Journal of Biomedical Informatics</i> , 2016, 63, 100-107.	2.5	22
20	Exploiting heterogeneous publicly available data sources for drug safety surveillance: computational framework and case studies. <i>Expert Opinion on Drug Safety</i> , 2017, 16, 113-124.	1.0	22
21	Evaluating Twitter as a complementary data source for pharmacovigilance. <i>Expert Opinion on Drug Safety</i> , 2018, 17, 763-774.	1.0	18
22	Evaluation Criteria of Noninvasive Telemonitoring for Patients With Heart Failure: Systematic Review. <i>Journal of Medical Internet Research</i> , 2018, 20, e16.	2.1	18
23	Bridging Data Models and Terminologies to Support Adverse Drug Event Reporting Using EHR Data. <i>Methods of Information in Medicine</i> , 2015, 54, 24-31.	0.7	17
24	Left Ventricular Ejection Fraction Calculation from Automatically Selected and Processed Diastolic and Systolic Frames in Short-Axis Cine-MRI. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2004, 6, 817-827.	1.6	16
25	Electronic implementation of guidelines in the EsPeR system: A knowledge specification method. <i>International Journal of Medical Informatics</i> , 2005, 74, 597-604.	1.6	15
26	Computation of semantic similarity within an ontology of breast pathology to assist inter-observer consensus. <i>Computers in Biology and Medicine</i> , 2006, 36, 768-788.	3.9	15
27	Quantitative analysis of manual annotation of clinical text samples. <i>International Journal of Medical Informatics</i> , 2019, 123, 37-48.	1.6	15
28	Mapping of the WHO-ART terminology on Snomed CT to improve grouping of related adverse drug reactions. <i>Studies in Health Technology and Informatics</i> , 2006, 124, 833-8.	0.2	15
29	The Electronic Healthcare Record for Clinical Research (EHR4CR) information model and terminology. <i>Studies in Health Technology and Informatics</i> , 2012, 180, 534-8.	0.2	15
30	Component-based mediation services for the integration of medical applications. <i>Artificial Intelligence in Medicine</i> , 2003, 27, 283-304.	3.8	14
31	Rationale and Design Considerations for a Semantic Mediator in Health Information Systems. <i>Methods of Information in Medicine</i> , 1998, 37, 518-526.	0.7	14
32	Encouraging Behavior Changes and Preventing Cardiovascular Diseases Using the Prevent Connect Mobile Health App: Conception and Evaluation of App Quality. <i>Journal of Medical Internet Research</i> , 2022, 24, e25384.	2.1	14
33	Automatic generation of MedDRA terms groupings using an ontology. <i>Studies in Health Technology and Informatics</i> , 2012, 180, 73-7.	0.2	14
34	A document engineering environment for clinical guidelines. , 2007, , .		12
35	Personalized prediction of gestational Diabetes using a clinical decision support system. , 2015, , .		11
36	OpenPVSignal: Advancing Information Search, Sharing and Reuse on Pharmacovigilance Signals via FAIR Principles and Semantic Web Technologies. <i>Frontiers in Pharmacology</i> , 2018, 9, 609.	1.6	11

#	ARTICLE	IF	CITATIONS
37	Case Based Fuzzy Cognitive Maps (CBFCM): New method for medical reasoning: Comparison study between CBFCM/FCM. , 2011, , .		10
38	Sequential pattern mining to discover relations between genes and rare diseases. , 2012, , .		10
39	Descriptions of Adverse Drug Reactions Are Less Informative in Forums Than in the French Pharmacovigilance Database but Provide More Unexpected Reactions. <i>Frontiers in Pharmacology</i> , 2018, 9, 439.	1.6	10
40	Computational Advances in Drug Safety: Systematic and Mapping Review of Knowledge Engineering Based Approaches. <i>Frontiers in Pharmacology</i> , 2019, 10, 415.	1.6	10
41	Federating patients identities: the case of rare diseases. <i>Orphanet Journal of Rare Diseases</i> , 2018, 13, 199.	1.2	8
42	IDEM: a Web application of case-based reasoning in histopathology. <i>Computers in Biology and Medicine</i> , 1998, 28, 473-487.	3.9	7
43	Genomic and personalized medicine decision support system. , 2012, , .		7
44	Integrate personalized medicine into clinical practice to improve patient safety. <i>Irbm</i> , 2013, 34, 53-55.	3.7	7
45	Semantic interoperability platform for Healthcare Information Exchange. <i>Irbm</i> , 2015, 36, 62-69.	3.7	7
46	Cross border semantic interoperability for learning health systems: The EHR4CR semantic resources and services. <i>Learning Health Systems</i> , 2017, 1, e10014.	1.1	7
47	PharmARTS: terminology web services for drug safety data coding and retrieval. <i>Studies in Health Technology and Informatics</i> , 2007, 129, 699-704.	0.2	7
48	Clinical diagnosis support system based on case based fuzzy cognitive maps and semantic web. <i>Studies in Health Technology and Informatics</i> , 2012, 180, 295-9.	0.2	7
49	Ci4SeR–curation interface for semantic resources–evaluation with adverse drug reactions. <i>Studies in Health Technology and Informatics</i> , 2014, 205, 116-20.	0.2	7
50	A Multiagent System for Integrated Detection of Pharmacovigilance Signals. <i>Journal of Medical Systems</i> , 2016, 40, 37.	2.2	6
51	Semantic interoperability challenges to process large amount of data perspectives in forensic and legal medicine. <i>Journal of Clinical Forensic and Legal Medicine</i> , 2018, 57, 19-23.	0.5	6
52	Ontological and Non-Ontological Resources for Associating Medical Dictionary for Regulatory Activities Terms to SNOMED Clinical Terms With Semantic Properties. <i>Frontiers in Pharmacology</i> , 2019, 10, 975.	1.6	6
53	A Case-Based Reasoning method for computer-assisted diagnosis in histopathology. <i>Lecture Notes in Computer Science</i> , 1997, , 239-242.	1.0	5
54	New Semantic Web rules and new medical reasoning framework. , 2013, , .		5

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55	Theme C: Medical information systems and databases – results and future work. <i>Irbm</i> , 2013, 34, 9-10.	3.7	5
56	Silver Anniversary: 25 Editions of the IMIA Yearbook. <i>Yearbook of Medical Informatics</i> , 2016, 25, S3-S5.	0.8	5
57	Troubled Waters: Navigating Unintended Consequences of Health Information Technology. <i>Yearbook of Medical Informatics</i> , 2016, 25, 5-6.	0.8	5
58	Evaluation of automated term groupings for detecting anaphylactic shock signals for drugs. <i>AMIA ... Annual Symposium proceedings</i> , 2012, 2012, 882-90.	0.2	5
59	An approach for the evaluation of software engineering environments in medicine. <i>Medical Informatics = Medecine Et Informatique</i> , 1993, 18, 195-208.	0.8	4
60	Big3. Editorial. <i>Yearbook of Medical Informatics</i> , 2014, 23, 06-07.	0.8	4
61	Weakly-Supervised Symptom Recognition for Rare Diseases in Biomedical Text. <i>Lecture Notes in Computer Science</i> , 2016, , 192-203.	1.0	4
62	Clinical Practice Guidelines Formalization for Personalized Medicine. <i>International Journal of Applied Evolutionary Computation</i> , 2013, 4, 26-33.	0.7	4
63	Cross border semantic interoperability for clinical research: the EHR4CR semantic resources and services. <i>AMIA Summits on Translational Science Proceedings</i> , 2016, 2016, 51-9.	0.4	4
64	Knowledge acquisition for computation of semantic distance between WHO-ART terms. <i>Studies in Health Technology and Informatics</i> , 2006, 124, 839-44.	0.2	4
65	Personalized decision support system based on clinical practice guidelines. <i>Studies in Health Technology and Informatics</i> , 2015, 211, 308-10.	0.2	4
66	Semantic Queries Expedite MedDRA Terms Selection Thanks to a Dedicated User Interface: A Pilot Study on Five Medical Conditions. <i>Frontiers in Pharmacology</i> , 2019, 10, 50.	1.6	3
67	Semantic Interpretation of the map with Diabetes-Related Websites. <i>Procedia Computer Science</i> , 2019, 160, 330-337.	1.2	3
68	Influence of Connected Health Interventions for Adherence to Cardiovascular Disease Prevention: A Scoping Review. <i>Applied Clinical Informatics</i> , 2020, 11, 544-555.	0.8	3
69	Identifying Actionability as a Key Factor for the Adoption of “Intelligent” Systems for Drug Safety: Lessons Learned from a User-Centred Design Approach. <i>Drug Safety</i> , 2021, 44, 1165-1178.	1.4	3
70	Building an Ontology of Hypertension Management. <i>Lecture Notes in Computer Science</i> , 2007, , 292-296.	1.0	3
71	Utilisation du web sémantique dans le raisonnement médical diagnostique. <i>Domaine d'application: Les infections des voies urinaires de l'adulte. Informatique Et Santé</i> , 2011, , 59-70.	0.1	3
72	An Integrated Care Platform System (C3-Cloud) for Care Planning, Decision Support, and Empowerment of Patients With Multimorbidity: Protocol for a Technology Trial. <i>JMIR Research Protocols</i> , 2022, 11, e21994.	0.5	3

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73	Formalizing mappings to optimize automated schema alignment: application to rare diseases. <i>Studies in Health Technology and Informatics</i> , 2014, 205, 283-7.	0.2	3
74	A Knowledge-Based Platform for Assessing Potential Adverse Drug Reactions at the Point of Care: User Requirements and Design. <i>Studies in Health Technology and Informatics</i> , 2019, 264, 1007-1011.	0.2	3
75	Quantifying Stenosis in Renal Arteriograms: A Fuzzy Syntactic Analysis. <i>Methods of Information in Medicine</i> , 1999, 38, 207-213.	0.7	2
76	Vers une meilleure d'@tection du signal et gestion des connaissances en pharmacovigilance: le projet VigiTermes. <i>Irbm</i> , 2011, 32, 158-161.	3.7	2
77	Improve treatment of pneumonia and reduce adverse drug events. , 2013, , .		2
78	User Driven Design: First Step in Involving Healthcare Consumers and Clinicians in Developing a Collaborative Platform to Prevent Cardiovascular Diseases. <i>Studies in Health Technology and Informatics</i> , 2019, 264, 1313-1317.	0.2	2
79	User-Centered Design of the C3-Cloud Platform for Elderly with Multiple Diseases - Functional Requirements and Application Testing. <i>Studies in Health Technology and Informatics</i> , 2019, 264, 843-847.	0.2	2
80	An environment for document engineering of clinical guidelines. <i>AMIA ... Annual Symposium proceedings</i> , 2005, , 276-80.	0.2	2
81	Clustering WHO-ART terms using semantic distance and machine learning algorithms. <i>AMIA ... Annual Symposium proceedings</i> , 2006, , 369-73.	0.2	2
82	A knowledge based approach for automated signal generation in pharmacovigilance. <i>Studies in Health Technology and Informatics</i> , 2004, 107, 626-30.	0.2	2
83	Structuring Clinical Guidelines through the Recognition of Deontic Operators. <i>Studies in Health Technology and Informatics</i> , 2005, 116, 151-6.	0.2	2
84	Building medical ontologies based on terminology extraction from texts: an experimentation in pneumology. <i>Studies in Health Technology and Informatics</i> , 2005, 116, 659-64.	0.2	2
85	Assessment of biomedical knowledge according to confidence criteria. <i>Studies in Health Technology and Informatics</i> , 2008, 136, 199-204.	0.2	2
86	Localisation, Personalisation and Delivery of Best Practice Guidelines on an Integrated Care and Cure Cloud Architecture: The C3-Cloud Approach to Managing Multimorbidity. <i>Studies in Health Technology and Informatics</i> , 2020, 270, 623-627.	0.2	2
87	Classification of the Severity of Adverse Drugs Reactions. <i>Studies in Health Technology and Informatics</i> , 2020, 270, 1227-1228.	0.2	2
88	An implementation of a model for functional recognition. <i>International Journal of Intelligent Systems</i> , 1994, 9, 379-402.	3.3	1
89	<title>Part hierarchies of object shape for recognition</title> . , 1994, , .		1
90	Building Medical Ontologies Based on Terminology Extraction from Texts: Methodological Propositions. <i>Lecture Notes in Computer Science</i> , 2005, , 231-235.	1.0	1

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91	Exploitation de la distance sÃ©mantique pour la crÃ©ation de groupements de termes en pharmacovigilance. Informatique Et SantÃ©, 2011, , 25-36.	0.1	1
92	FLEXIBLE RETRIEVAL OF SEMANTIC INFORMATION IN A MEDICAL IMAGES DATABASE. Advances in Fuzzy Systems, 1995, , 394-403.	8.7	1
93	Comparison of the impact of cardiovascular guidelines on a working population. Studies in Health Technology and Informatics, 2006, 124, 639-44.	0.2	1
94	Modeling and acquisition of drug-drug interaction knowledge. Studies in Health Technology and Informatics, 2007, 129, 900-4.	0.2	1
95	Building a Knowledge-Based Tool for Auto-Assessing the Cardiovascular Risk. Studies in Health Technology and Informatics, 2018, 247, 735-739.	0.2	1
96	A conceptual model for the interpretation of angiographic renal artery lesions. , 1992, , .		0
97	<title>Algorithm for the recognition of the usefulness of objects in actions</title>. , 1992, , .		0
98	Proof-Based Ontology Matching: Finding Semantic Similarities between Ancestor Graph Structures. , 2012, , .		0
99	A CDSS Supporting Clinical Guidelines Integrated and Interoperable Within the Clinical Information System. Studies in Computational Intelligence, 2014, , 233-255.	0.7	0
100	Solutions dâ€™interopÃ©abilitÃ© sÃ©mantique pour la surveillance de lâ€™antibiorÃ©sistance en Europe. Ingenierie Des Systemes D'Information, 2013, 18, 59-82.	0.5	0
101	Maintenance of a computerized medical record form. AMIA ... Annual Symposium proceedings, 2007, , 691-5.	0.2	0
102	Integration of multiple ontologies in breast cancer pathology. Studies in Health Technology and Informatics, 2005, 116, 641-6.	0.2	0
103	Parallel Design of Browsing Scheme and Data Model for Multi-Level Hierarchical Application Devoted to Management of Patient with Infectious Disease in Primary Care. Studies in Health Technology and Informatics, 2017, 235, 421-425.	0.2	0
104	Mapping the Hyperlink Structure of Diabetes Online Communities. Studies in Health Technology and Informatics, 2019, 264, 467-471.	0.2	0
105	Decision Support System for Selection of e-Health Interventions. Studies in Health Technology and Informatics, 2020, 272, 326-329.	0.2	0
106	Supporting Active Pharmacovigilance via IT Tools in the Clinical Setting and Beyond: Regulatory and Management Aspects. Studies in Health Technology and Informatics, 2020, 272, 342-345.	0.2	0