Fernando J Martin-Sanchez

List of Publications by Year
in descending order

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Version: 2024-02-01

99 papers	2,691 citations	279701 23 h-index	197736 49 g-index
104 all docs	104 docs citations	104 times ranked	3911 citing authors

#	Article	IF	Citations
1	Health outcomes and related effects of using social media in chronic disease management: A literature review and analysis of affordances. Journal of Biomedical Informatics, 2013, 46, 957-969.	2.5	263
2	Recommendations of the International Medical Informatics Association (IMIA) on Education in Biomedical and Health Informatics. Methods of Information in Medicine, 2010, 49, 105-120.	0.7	204
3	Data integration and genomic medicine. Journal of Biomedical Informatics, 2007, 40, 5-16.	2.5	147
4	Host adaptive immunity deficiency in severe pandemic influenza. Critical Care, 2010, 14, R167.	2.5	145
5	Morphological Granulometric Features of Nucleus in Automatic Bone Marrow White Blood Cell Classification. IEEE Transactions on Information Technology in Biomedicine, 2007, 11, 353-359.	3.6	134
6	Synergy between medical informatics and bioinformatics: facilitating genomic medicine for future health care. Journal of Biomedical Informatics, 2004, 37, 30-42.	2.5	129
7	A systematic review of types and efficacy of online interventions for cancer patients. Patient Education and Counseling, 2015, 98, 283-295.	1.0	125
8	Big Data in Medicine Is Driving Big Changes. Yearbook of Medical Informatics, 2014, 23, 14-20.	0.8	119
9	Colon cancer molecular subtypes identified by expression profiling and associatedto stroma, mucinous type and different clinical behavior. BMC Cancer, 2012, 12, 260.	1.1	110
10	ONTOFUSION: Ontology-based integration of genomic and clinical databases. Computers in Biology and Medicine, 2006, 36, 712-730.	3.9	90
11	Real-time prediction of mortality, readmission, and length of stay using electronic health record data. Journal of the American Medical Informatics Association: JAMIA, 2016, 23, 553-561.	2.2	85
12	An agent- and ontology-based system for integrating public gene, protein, and disease databases. Journal of Biomedical Informatics, 2007, 40, 17-29.	2.5	75
13	The use of self-quantification systems for personal health information: big data management activities and prospects. Health Information Science and Systems, 2015, 3, S1.	3.4	68
14	Therapeutic Affordances of Social Media: Emergent Themes From a Global Online Survey of People With Chronic Pain. Journal of Medical Internet Research, 2014, 16, e284.	2.1	68
15	Exposome informatics: considerations for the design of future biomedical research information systems. Journal of the American Medical Informatics Association: JAMIA, 2014, 21, 386-390.	2.2	63
16	Patient-Reported Outcomes and Therapeutic Affordances of Social Media: Findings From a Global Online Survey of People With Chronic Pain. Journal of Medical Internet Research, 2015, 17, e20.	2.1	59
17	Nanoinformatics and DNA-Based Computing: Catalyzing Nanomedicine. Pediatric Research, 2010, 67, 481-489.	1.1	56
18	Secondary Use and Analysis of Big Data Collected for Patient Care. Yearbook of Medical Informatics, 2017, 26, 28-37.	0.8	45

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19	Integrating Genomics into Health Information Systems. Methods of Information in Medicine, 2002, 41, 25-30.	0.7	43
20	An artificial neural network improves the non-invasive diagnosis of significant fibrosis in HIV/HCV coinfected patients. Journal of Infection, 2011, 62, 77-86.	1.7	31
21	Medical Informatics and Bioinformatics: European Efforts to Facilitate Synergy. Journal of Biomedical Informatics, 2001, 34, 423-427.	2.5	27
22	Medical Informatics and Bioinformatics: A Bibliometric Study. IEEE Transactions on Information Technology in Biomedicine, 2007, 11, 237-243.	3.6	27
23	Activity Theory as a Theoretical Framework for Health Self-Quantification: A Systematic Review of Empirical Studies. Journal of Medical Internet Research, 2016, 18, e131.	2.1	27
24	Bioinformatics: Towards New Directions for Public Health. Methods of Information in Medicine, 2004, 43, 208-214.	0.7	26
25	50 Years of Informatics Research on Decision Support: Whatâ€™s Next. Methods of Information in Medicine, 2011, 50, 525-535.	0.7	24
26	Direct association between pharyngeal viral secretion and host cytokine response in severe pandemic influenza. BMC Infectious Diseases, 2011, 11, 232.	1.3	24
27	Relationship between Autism Spectrum Disorder and Pesticides: A Systematic Review of Human and Preclinical Models. International Journal of Environmental Research and Public Health, 2021, 18, 5190.	1.2	22
28	Designing New Methodologies for Integrating Biomedical Information in Clinical Trials. Methods of Information in Medicine, 2006, 45, 180-185.	0.7	20
29	International Efforts in Nanoinformatics Research Applied to Nanomedicine. Methods of Information in Medicine, 2011, 50, 84-95.	0.7	20
30	Single Subject (N-of-1) Research Design, Data Processing, and Personal Science. Methods of Information in Medicine, 2017, 56, 416-418.	0.7	20
31	SYMBIOmatics: Synergies in Medical Informatics and Bioinformatics â€“ exploring current scientific literature for emerging topics. BMC Bioinformatics, 2007, 8, S18.	1.2	18
32	Added Value from Secondary Use of Person Generated Health Data in Consumer Health Informatics. Yearbook of Medical Informatics, 2017, 26, 160-171.	0.8	18
33	Developing a Framework to Generate Evidence of Health Outcomes From Social Media Use in Chronic Disease Management. Medicine 2 0, 2013, 2, e3.	2.4	17
34	Oligonucleotide microarray design for detection and serotyping of human respiratory adenoviruses by using a virtual amplicon retrieval software. Journal of Virological Methods, 2007, 145, 127-136.	1.0	16
35	Biomedical Informatics â€“ A Confluence of Disciplines?. Methods of Information in Medicine, 2011, 50, 508-524.	0.7	16
36	Nanoinformatics: developing new computing applications for nanomedicine. Computing (Vienna/New) Tj ETQq0 0 0 rgBT /Overlock 10 T	3.2	15

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37	Refining the Concepts of Self-quantification Needed for Health Self-management. Methods of Information in Medicine, 2017, 56, 46-54.	0.7	15
38	The New Role of Biomedical Informatics in the Age of Digital Medicine. Methods of Information in Medicine, 2016, 55, 392-402.	0.7	14
39	Social Media for the Promotion of Holistic Self-Participatory Care: An Evidence Based Approach. Contribution of the IMIA Social Media Working Group. Yearbook of Medical Informatics, 2013, 8, 162-8.	0.8	13
40	Grid Requirements for the Integration of Biomedical Information Resources for Health Applications. Methods of Information in Medicine, 2005, 44, 161-167.	0.7	11
41	Analysis of the genome content of Lactococcus garvieae by genomic interspecies microarray hybridization. BMC Microbiology, 2010, 10, 79.	1.3	11
42	Social Media for the Promotion of Holistic Self-Participatory Care: An Evidence Based Approach. Yearbook of Medical Informatics, 2013, 22, 162-168.	0.8	11
43	Research Strategies for Biomedical and Health Informatics. Methods of Information in Medicine, 2017, 56, e1-e10.	0.7	10
44	Person-generated Data in Self-quantification. Methods of Information in Medicine, 2017, 56, 40-45.	0.7	10
45	Establishing an Agenda for Biomedical Informatics. Methods of Information in Medicine, 2003, 42, 121-125.	0.7	9
46	Analysis and Management of HIV Peptide Microarray Experiments. Methods of Information in Medicine, 2006, 45, 158-162.	0.7	9
47	Progress in Characterizing the Human Exposome: a Key Step for Precision Medicine. Yearbook of Medical Informatics, 2020, 29, 115-120.	0.8	9
48	DiseaseCard: A Web-Based Tool for the Collaborative Integration of Genetic and Medical Information. Lecture Notes in Computer Science, 2004, , 409-417.	1.0	9
49	A Primer in Knowledge Management for Nanoinformatics in Medicine. Lecture Notes in Computer Science, 2008, , 66-72.	1.0	8
50	Training Health Professionals in Bioinformatics. Methods of Information in Medicine, 2010, 49, 299-304.	0.7	8
51	Biomedical Informatics Methods for Personalized Medicine and Participatory Health. , 2014, , 347-394.		8
52	Lactococcus garvieae: a small bacteria and a big data world. Health Information Science and Systems, 2015, 3, S5.	3.4	8
53	Patient Participation in Chronic Pain Management Through Social Media: A Clinical Study. Studies in Health Technology and Informatics, 2016, 225, 577-81.	0.2	8
54	A method for automatically extracting infectious disease-related primers and probes from the literature. BMC Bioinformatics, 2010, 11, 410.	1.2	7

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55	Using Social Media While Waiting in Pain: A Clinical 12-Week Longitudinal Pilot Study. JMIR Research Protocols, 2015, 4, e101.	0.5	7
56	Designing new methodologies for integrating biomedical information in clinical trials. Methods of Information in Medicine, 2006, 45, 180-5.	0.7	7
57	Integrating genomics into health information systems. Methods of Information in Medicine, 2002, 41, 25-30.	0.7	6
58	Bioinformatics: towards new directions for public health. Methods of Information in Medicine, 2004, 43, 208-14.	0.7	6
59	European efforts in nanoinformatics research applied to nanomedicine. Studies in Health Technology and Informatics, 2009, 150, 757-61.	0.2	6
60	Development and Validation of a Taxonomy for Characterizing Measurements in Health Self-Quantification. Journal of Medical Internet Research, 2017, 19, e378.	2.1	5
61	Integrating medical and genomic data: a successful example for rare diseases. Studies in Health Technology and Informatics, 2006, 124, 125-30.	0.2	5
62	Discussion of "Biomedical informatics: we are what we publish". Methods of Information in Medicine, 2013, 52, 547-62.	0.7	5
63	New Approaches in Data Integration for Systems Chemical Biology. Current Topics in Medicinal Chemistry, 2013, 13, 591-601.	1.0	4
64	Commentaries on "Informatics and medicine: from molecules to populations". Methods of Information in Medicine, 2008, 47, 296-317.	0.7	4
65	Is Precision Medicine different from Personalised Medicine? A Biomedical informatics perspective. Studies in Health Technology and Informatics, 2014, 202, 20-3.	0.2	4
66	Proposal for a Standardised Reporting Guideline to Annotate Health-related Self-Quantification Experiments. Studies in Health Technology and Informatics, 2014, 202, 79-82.	0.2	4
67	Enabling Self-Monitoring Data Exchange in Participatory Medicine. Studies in Health Technology and Informatics, 2015, 216, 1102.	0.2	4
68	The Australian Health Informatics Competencies Framework and Its Role in the Certified Health Informatician Australasia (CHIA) Program. Studies in Health Technology and Informatics, 2017, 245, 783-787.	0.2	4
69	Biomedical Informatics and the Convergence of Nano-Bio-Info-Cogno (NBIC) Technologies. Yearbook of Medical Informatics, 2009, 18, 134-142.	0.8	3
70	Analytics and Decision Support Systems in Global Health Informatics. , 2017, , 195-217.		3
71	Integration of Genetic and Medical Information Through a Web Crawler System. Lecture Notes in Computer Science, 2005, , 78-88.	1.0	3
72	Microarrays and Colon Cancer in the Road for Translational Medicine. Current Bioinformatics, 2011, 6, 145-162.	0.7	3

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73	Big Data Challenges from an Integrative Exposome/Expotype Perspective. Lecture Notes in Bioengineering, 2019, , 127-141.	0.3	3
74	Analysis and management of HIV peptide microarray experiments. Methods of Information in Medicine, 2006, 45, 158-62.	0.7	3
75	Biomedical Informatics and the Digital Component of the Exposome. Studies in Health Technology and Informatics, 2017, 245, 496-500.	0.2	3
76	INBIOMED: a platform for the integration and sharing of genetic, clinical and epidemiological data oriented to biomedical research. , 0, , .		2
77	Microarray Data Analysis and Management in Colorectal Cancer. Lecture Notes in Computer Science, 2005, , 391-400.	1.0	2
78	INFOBIOMED: European Network of Excellence on Biomedical Informatics to support individualised healthcare. AMIA ... Annual Symposium proceedings, 2005, , 1041.	0.2	2
79	Grid requirements for the integration of biomedical information resources for health applications. Methods of Information in Medicine, 2005, 44, 161-7.	0.7	2
80	Personalised Medicine Possible With Real-Time Integration of Genomic and Clinical Data To Inform Clinical Decision-Making. Studies in Health Technology and Informatics, 2015, 216, 1052.	0.2	2
81	Integrated Computer-based System For Medical Assistance In Emergencies. , 0, , .		1
82	HISA big data in biomedicine and healthcare 2013 conference. Health Information Science and Systems, 2015, 3, I1.	3.4	1
83	Comment on â€˜Discovering hospital admission patterns using models learnt from electronic hospital recordsâ€™. The importance of using the right codes. Bioinformatics, 2016, 32, 2079-2080.	1.8	1
84	Use of informatics to characterise the exposome of COVID-19. BMJ Health and Care Informatics, 2021, 28, e100371.	1.4	1
85	A Virtual Approach to Integrating Biomedical Databases and Terminologies. Lecture Notes in Computer Science, 2003, , 31-38.	1.0	1
86	Immunoinformatics and Systems Biology in Personalized Medicine. Methods in Molecular Biology, 2014, 1184, 457-475.	0.4	1
87	Establishing an agenda for biomedical informatics. Methods of Information in Medicine, 2003, 42, 121-5.	0.7	1
88	Public Health Implications of Bioinformatics. Yearbook of Medical Informatics, 2004, 13, 137-143.	0.8	0
89	European support to biomedical informatics development: in pursue of genomic medicine. , 0, , .		0
90	Guest Editorial Introduction to the Special Issue on Biomedical Informatics: Research and Applications. IEEE Transactions on Information Technology in Biomedicine, 2007, 11, 361-363.	3.6	0

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91	BIKMAS: A Knowledge Engineering System for Bioinformatics. Lecture Notes in Computer Science, 2002, , 435-440.	1.0	0
92	A Bioinformatic Approach to Epigenetic Susceptibility in Non-disjunctional Diseases. Lecture Notes in Computer Science, 2005, , 120-129.	1.0	0
93	Generating Data Models to Manage Individual Information Related to Environmental Risk Factors and Social Determinants of Health. Lecture Notes in Computer Science, 2021, , 234-244.	1.0	0
94	Biomedical informatics and the convergence of Nano-Bio-Info-Cogno (NBIC) technologies. Yearbook of Medical Informatics, 2009, , 134-42.	0.8	0
95	Translational bioinformatics. Studies in Health Technology and Informatics, 2010, 151, 312-37.	0.2	0
96	Youthful domain of health informatics. Studies in Health Technology and Informatics, 2012, 178, v.	0.2	0
97	Anonymizing patient genomic data for public sharing association studies. Studies in Health Technology and Informatics, 2013, 192, 979.	0.2	0
98	Preface. Historically the use of IT was administrative, financial, or statistical. Studies in Health Technology and Informatics, 2014, 204, v-vi.	0.2	0
99	The Genomic Medicine Game. Studies in Health Technology and Informatics, 2016, 228, 750-4.	0.2	0