## Philip R O Payne

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/6956433/publications.pdf

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158 papers 3,422 citations

236925 25 h-index 51 g-index

174 all docs

174 docs citations

times ranked

174

4750 citing authors

#	Article	IF	CITATIONS
1	Developing realâ€world evidence from realâ€world data: Transforming raw data into analytical datasets. Learning Health Systems, 2022, 6, e10293.	2.0	21
2	Respiratory support status from EHR data for adult population: classification, heuristics, and usage in predictive modeling. Journal of the American Medical Informatics Association: JAMIA, 2022, 29, 813-821.	4.4	2
3	Impact of Riskâ€based Sexually Transmitted Infection Screening in the Emergency Department. Academic Emergency Medicine, 2022, , .	1.8	2
4	Demonstrating an approach for evaluating synthetic geospatial and temporal epidemiologic data utility: results from analyzing >1.8 million SARS-CoV-2 tests in the United States National COVID Cohort Collaborative (N3C). Journal of the American Medical Informatics Association: JAMIA, 2022, 29, 1350-1365.	4.4	8
5	Sepsis Prediction for the General Ward Setting. Frontiers in Digital Health, 2022, 4, 848599.	2.8	О
6	Association of Early Aspirin Use With In-Hospital Mortality in Patients With Moderate COVID-19. JAMA Network Open, 2022, 5, e223890.	5.9	31
7	Better together: Integrating biomedical informatics and healthcare <scp>IT</scp> operations to create a learning health system during the <scp>COVID</scp> â€19 pandemic. Learning Health Systems, 2022, 6, e10309.	2.0	4
8	Learning from data: A recurring feature on the science and practice of <scp>dataâ€driven</scp> learning health systems. Learning Health Systems, 2022, 6, e10302.	2.0	1
9	Effect of clinician attention switching on workload and wrong-patient errors. British Journal of Anaesthesia, 2022, 129, e22-e24.	3.4	4
10	Transmission dynamics: Data sharing in the <scp>COVID</scp> â€19 era. Learning Health Systems, 2021, 5, e10235.	2.0	28
11	The National COVID Cohort Collaborative (N3C): Rationale, design, infrastructure, and deployment. Journal of the American Medical Informatics Association: JAMIA, 2021, 28, 427-443.	4.4	342
12	Clinical Research Informatics. , 2021, , 913-940.		1
13	A retrospective look at the predictions and recommendations from the 2009 AMIA policy meeting: did we see EHR-related clinician burnout coming?. Journal of the American Medical Informatics Association: JAMIA, 2021, 28, 948-954.	4.4	12
14	Comparison of Sepsis Definitions as Automated Criteria. Critical Care Medicine, 2021, 49, e433-e443.	0.9	15
15	Pattern recognition in lymphoid malignancies using CytoGPS and Mercator. BMC Bioinformatics, 2021, 22, 100.	2.6	2
16	Predictive Modeling for Clinical Features Associated With Neurofibromatosis Type 1. Neurology: Clinical Practice, 2021, 11, 497-505.	1.6	6
17	The National COVID Cohort Collaborative: Analyses of Original and Computationally Derived Electronic Health Record Data. Journal of Medical Internet Research, 2021, 23, e30697.	4.3	8
18	A Pragmatic Machine Learning Model To Predict Carbapenem Resistance. Antimicrobial Agents and Chemotherapy, 2021, 65, e0006321.	3.2	11

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19	Addressing cancer survivors' cardiovascular health using the automated heart health assessment (AH-HA) EHR tool: Initial protocol and modifications to address COVID-19 challenges. Contemporary Clinical Trials Communications, 2021, 22, 100808.	1.1	4
20	Machine learning for modeling the progression of Alzheimer disease dementia using clinical data: a systematic literature review. JAMIA Open, 2021, 4, ooab052.	2.0	44
21	Comparison of early warning scores for sepsis early identification and prediction in the general ward setting. JAMIA Open, 2021, 4, 00ab062.	2.0	7
22	Clinical Characterization and Prediction of Clinical Severity of SARS-CoV-2 Infection Among US Adults Using Data From the US National COVID Cohort Collaborative. JAMA Network Open, 2021, 4, e2116901.	5.9	179
23	CACSE: Context Aware Clustering of Stellar Evolution. , 2021, , .		O
24	Computational analysis to repurpose drugs for COVID-19 based on transcriptional response of host cells to SARS-CoV-2. BMC Medical Informatics and Decision Making, 2021, 21, 15.	3.0	18
25	Synergistic Drug Combination Prediction by Integrating Multiomics Data in Deep Learning Models. Methods in Molecular Biology, 2021, 2194, 223-238.	0.9	68
26	Ten principles for data sharing and commercialization. Journal of the American Medical Informatics Association: JAMIA, 2021, 28, 646-649.	4.4	11
27	Use of electronic health records to support a public health response to the COVID-19 pandemic in the United States: a perspective from 15 academic medical centers. Journal of the American Medical Informatics Association: JAMIA, 2021, 28, 393-401.	4.4	54
28	Conceptual considerations for using EHR-based activity logs to measure clinician burnout and its effects. Journal of the American Medical Informatics Association: JAMIA, 2021, 28, 1032-1037.	4.4	18
29	Spot the difference: comparing results of analyses from real patient data and synthetic derivatives. JAMIA Open, 2021, 3, 557-566.	2.0	33
30	Using REDCap and Apple ResearchKit to integrate patient questionnaires and clinical decision support into the electronic health record to improve sexually transmitted infection testing in the emergency department. Journal of the American Medical Informatics Association: JAMIA, 2020, 27, 265-273.	4.4	12
31	Transcriptomics-Based Drug Repurposing Approach Identifies Novel Drugs against Sorafenib-Resistant Hepatocellular Carcinoma. Cancers, 2020, 12, 2730.	3.7	24
32	CytoGPS: A large-scale karyotype analysis of CML data. Cancer Genetics, 2020, 248-249, 34-38.	0.4	2
33	Heart Failure Diagnosis, Readmission, and Mortality Prediction Using Machine Learning and Artificial Intelligence Models. Current Epidemiology Reports, 2020, 7, 212-219.	2.4	35
34	Cognitive plausibility in voice-based AI health counselors. Npj Digital Medicine, 2020, 3, 72.	10.9	8
35	Language matters: precision health as a cross-cutting care, research and policy agenda. Journal of the American Medical Informatics Association: JAMIA, 2020, 27, 658-661.	4.4	7
36	Mining reported adverse events induced by potential opioid-drug interactions. JAMIA Open, 2020, 3, 104-112.	2.0	1

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37	When past is not a prologue: Adapting informatics practice during a pandemic. Journal of the American Medical Informatics Association: JAMIA, 2020, 27, 1142-1146.	4.4	12
38	Predicting Tumor Cell Response to Synergistic Drug Combinations Using a Novel Simplified Deep Learning Model. AMIA Annual Symposium proceedings, 2020, 2020, 1364-1372.	0.2	3
39	CytoGPS: a web-enabled karyotype analysis tool for cytogenetics. Bioinformatics, 2019, 35, 5365-5366.	4.1	8
40	Open Science and the Future of Data Analytics. , 2019, , 337-357.		4
41	Synergy from gene expression and network mining (SynGeNet) method predicts synergistic drug combinations for diverse melanoma genomic subtypes. Npj Systems Biology and Applications, 2019, 5, 6.	3.0	36
42	A protocol to evaluate RNA sequencing normalization methods. BMC Bioinformatics, 2019, 20, 679.	2.6	70
43	The â€~full stack' of healthcare innovation skills: combining clinical informatics with care delivery innovation. Personalized Medicine, 2019, 16, 9-14.	1.5	O
44	Questions for Artificial Intelligence in Health Care. JAMA - Journal of the American Medical Association, 2019, 321, 31.	7.4	191
45	A Review of Clinical Workflow Studies and Methods. Computers in Health Care, 2019, , 47-61.	0.3	5
46	The Clinical Research Environment. Computers in Health Care, 2019, , 27-47.	0.3	1
47	Foundations for Studying Clinical Workflow: Development of a Composite Inter-Observer Reliability Assessment for Workflow Time Studies. AMIA Annual Symposium proceedings, 2019, 2019, 617-626.	0.2	1
48	The diversity and disparity in biomedical informatics (DDBI) workshop., 2018,,.		1
49	Democratizing Health Data for Translational Research. , 2018, , .		2
50	Diffusion mapping of drug targets on disease signaling network elements reveals drug combination strategies. , 2018, , .		9
51	Biomedical informatics meets data science: current state and future directions for interaction. JAMIA Open, 2018, 1, 136-141.	2.0	13
52	Are Synthetic Data Derivatives the Future of Translational Medicine?. JACC Basic To Translational Science, 2018, 3, 716-718.	4.1	18
53	Comparison of Electric Wheelchair Control Systems in a Virtual Environment., 2018,,.		0
54	17. CytoGPS: A novel bioinformatics approach for high-throughput karyotype analysis. Cancer Genetics, 2018, 224-225, 56-57.	0.4	0

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55	Organizational frameworks. , 2018, , 19-55.		О
56	Diffusion mapping of drug targets on disease signaling network elements reveals drug combination strategies. Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing, 2018, 23, 92-103.	0.7	5
57	Democratizing Health Data for Translational Research. Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing, 2018, 23, 240-246.	0.7	1
58	From Data to Knowledge. , 2017, , 89-104.		0
59	Classification of Indeterminate Melanocytic Lesions by MicroRNA Profiling. Annals of Surgical Oncology, 2017, 24, 347-354.	1.5	12
60	Plasma MicroRNA Levels Following Resection of Metastatic Melanoma. Bioinformatics and Biology Insights, 2017, 11, 117793221769483.	2.0	25
61	MD-Miner: a network-based approach for personalized drug repositioning. BMC Systems Biology, 2017, 11, 86.	3.0	14
62	Recommendations for the Use of Operational Electronic Health Record Data in Comparative Effectiveness Research. EGEMS (Washington, DC), 2017, 1, 14.	2.0	41
63	Advancing User Experience Research to Facilitate and Enable Patient Centered Research: Current State and Future Directions. EGEMS (Washington, DC), 2017, 1, 10.	2.0	7
64	Scalable Architecture for Federated Translational Inquiries Network (SAFTINet) Technology Infrastructure for a Distributed Data Network. EGEMS (Washington, DC), 2017, 1, 11.	2.0	27
65	Sustainability Through Technology Licensing and Commercialization: Lessons Learned from the TRIAD Project. EGEMS (Washington, DC), 2017, 2, 2.	2.0	1
66	EHR-based Visualization Tool: Adoption Rates, Satisfaction, and Patient Outcomes. EGEMS (Washington, DC), 2017, 3, 5.	2.0	26
67	Enabling Open Science for Health Research: Collaborative Informatics Environment for Learning on Health Outcomes (CIELO). Journal of Medical Internet Research, 2017, 19, e276.	4.3	10
68	Abstract 1562: Drug repurposing for hepatocellular carcinoma enabled via transcriptomics data from experimental models of sorafenib resistance. , 2017, , .		0
69	Integrative network and transcriptomics-based approach predicts genotype- specific drug combinations for melanoma. AMIA Summits on Translational Science Proceedings, 2017, 2017, 247-256.	0.4	9
70	MicroRNA profiling of patient plasma for clinical trials using bioinformatics and biostatistical approaches. OncoTargets and Therapy, 2016, Volume 9, 5931-5941.	2.0	4
71	â€~RE:fine drugs': an interactive dashboard to access drug repurposing opportunities. Database: the Journal of Biological Databases and Curation, 2016, 2016, baw083.	3.0	41
72	Global microRNA profiling for diagnostic appraisal of melanocytic Spitz tumors. Journal of Surgical Research, 2016, 205, 350-358.	1.6	18

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73	Electronic health record-based assessment of cardiovascular health: The stroke prevention in healthcare delivery environments (SPHERE) study. Preventive Medicine Reports, 2016, 4, 303-308.	1.8	18
74	Drug Repurposing Hypothesis Generation Using the "RE:fine Drugs" System. Journal of Visualized Experiments, $2016,  ,  .$	0.3	2
75	Rethinking the role and impact of health information technology: informatics as an interventional discipline. BMC Medical Informatics and Decision Making, 2016, 16, 40.	3.0	21
76	The geographic distribution of cardiovascular health in the stroke prevention in healthcare delivery environments (SPHERE) study. Journal of Biomedical Informatics, 2016, 60, 95-103.	4.3	14
77	DISCOVERY OF MOLECULARLY TARGETED THERAPIES. , 2016, , .		1
78	A Distributed International Patient Data Registry for Hairy Cell Leukemia. Blood, 2016, 128, 5986-5986.	1.4	0
79	DISCOVERY OF MOLECULARLY TARGETED THERAPIES. Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing, 2016, 21, 1-8.	0.7	0
80	Interdisciplinary training to build an informatics workforce for precision medicine. Applied & Translational Genomics, 2015, 6, 28-30.	2.1	12
81	Gene expression profiling of the human natural killer cell response to Fc receptor activation: unique enhancement in the presence of interleukin-12. BMC Medical Genomics, 2015, 8, 66.	1.5	15
82	From Molecules to Patients: The Clinical Applications of Translational Bioinformatics. Yearbook of Medical Informatics, 2015, 24, 164-169.	1.0	8
83	Driving Clinical and Translational Research Using Biomedical Informatics. Computers in Health Care, 2015, , 99-117.	0.3	1
84	Future Directions for Translational Informatics. Computers in Health Care, 2015, , 165-178.	0.3	1
85	Optimization of miRNA profiling techniques for melanoma and pancreatic cancer clinical trials Journal of Clinical Oncology, 2015, 33, e22065-e22065.	1.6	0
86	ResearchIQ: Design of a Semantically Anchored Integrative Query Tool. AMIA Summits on Translational Science Proceedings, 2015, 2015, 97-101.	0.4	0
87	Domain Analysis of Integrated Data to Reduce Cost Associated with Liver Disease. Studies in Health Technology and Informatics, 2015, 216, 414-8.	0.3	0
88	Text Mining and Data Modeling of Karyotypes to aid in Drug Repurposing Efforts. Studies in Health Technology and Informatics, 2015, 216, 1037.	0.3	5
89	Real-time Data Fusion Platforms: The Need of Multi-dimensional Data-driven Research in Biomedical Informatics. Studies in Health Technology and Informatics, 2015, 216, 1107.	0.3	0
90	Conceptual Knowledge Discovery in Databases for Drug Combinations Predictions in Malignant Melanoma. Studies in Health Technology and Informatics, 2015, 216, 663-7.	0.3	2

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91	A Metadata based Knowledge Discovery Methodology for Seeding Translational Research. Studies in Health Technology and Informatics, 2015, 216, 1071.	0.3	1
92	Advancing methodologies in Clinical Research Informatics (CRI): Foundational work for a maturing field. Journal of Biomedical Informatics, 2014, 52, 1-3.	4.3	12
93	Time motion studies in healthcare: What are we talking about?. Journal of Biomedical Informatics, 2014, 49, 292-299.	4.3	199
94	Community-level determinants of obesity: harnessing the power of electronic health records for retrospective data analysis. BMC Medical Informatics and Decision Making, 2014, 14, 36.	3.0	39
95	Assessment of Life's Simple 7â,,¢ in the primary care setting: The Stroke Prevention in Healthcare Delivery EnviRonmEnts (SPHERE) study. Contemporary Clinical Trials, 2014, 38, 182-189.	1.8	25
96	Enabling Online Studies of Conceptual Relationships Between Medical Terms: Developing an Efficient Web Platform. JMIR Medical Informatics, 2014, 2, e23.	2.6	7
97	Clinical Research Informatics. , 2014, , 755-777.		1
98	Towards symbiosis in knowledge representation and natural language processing for structuring clinical practice guidelines. Studies in Health Technology and Informatics, 2014, 201, 461-9.	0.3	2
99	People, organizational, and leadership factors impacting informatics support for clinical and translational research. BMC Medical Informatics and Decision Making, 2013, 13, 20.	3.0	12
100	Knowledge Management and Informatics Considerations for Comparative Effectiveness Research. Medical Care, 2013, 51, S38-S44.	2.4	7
101	Evidence Generating Medicine. Medical Care, 2013, 51, S87-S91.	2.4	55
102	Caveats for the Use of Operational Electronic Health Record Data in Comparative Effectiveness Research. Medical Care, 2013, 51, S30-S37.	2.4	410
103	Inter-observer reliability assessments in time motion studies: the foundation for meaningful clinical workflow analysis. AMIA Annual Symposium proceedings, 2013, 2013, 889-96.	0.2	15
104	Chapter 1: Biomedical Knowledge Integration. PLoS Computational Biology, 2012, 8, e1002826.	3.2	21
105	Applying knowledge-anchored hypothesis discovery methods to advance clinical and translational research: the OAMiner project. Journal of the American Medical Informatics Association: JAMIA, 2012, 19, 1110-1114.	4.4	0
106	Transactional Database Transformation and Its Application in Prioritizing Human Disease Genes. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2012, 9, 294-304.	3.0	13
107	Computational challenges and human factors influencing the design and use of clinical research participant eligibility pre-screening tools. BMC Medical Informatics and Decision Making, 2012, 12, 47.	3.0	29
108	Towards a "4l―approach to personalized healthcare. Clinical and Translational Medicine, 2012, 1, 14.	4.0	5

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109	k-Neighborhood decentralization: A comprehensive solution to index the UMLS for large scale knowledge discovery. Journal of Biomedical Informatics, 2012, 45, 323-336.	4.3	12
110	The Clinical Research Environment. Computers in Health Care, 2012, , 27-48.	0.3	1
111	TRIAD: The Translational Research Informatics and Data Management Grid. Applied Clinical Informatics, 2011, 02, 331-344.	1.7	17
112	Health-care hit or miss?. Nature, 2011, 470, 327-329.	27.8	17
113	Research-IQ: Development and evaluation of an ontology-anchored integrative query tool. Journal of Biomedical Informatics, 2011, 44, S56-S62.	4.3	4
114	Selected Papers from the 2011 Summit on Clinical Research Informatics. Journal of Biomedical Informatics, 2011, 44, S54-S55.	4.3	3
115	The TOKEn project: knowledge synthesis for in silico science. Journal of the American Medical Informatics Association: JAMIA, 2011, 18, i125-i131.	4.4	3
116	Multi-dimensional discovery of biomarker and phenotype complexes. BMC Bioinformatics, 2010, 11, S3.	2.6	9
117	Using gene co-expression network analysis to predict biomarkers for chronic lymphocytic leukemia. BMC Bioinformatics, 2010, 11, S5.	2.6	61
118	Improving Clinical Trial Participant Tracking Tools Using Knowledge-anchored Design Methodologies. Applied Clinical Informatics, 2010, 01, 177-196.	1.7	4
119	Foundational biomedical informatics research in the clinical and translational science era: a call to action. Journal of the American Medical Informatics Association: JAMIA, 2010, 17, 615-616.	4.4	19
120	Standardizing Clinical Trials Workflow Representation in UML for International Site Comparison. PLoS ONE, 2010, 5, e13893.	2.5	17
121	Authentication and Authorization in Cancer Research Systems. , 2010, , 279-290.		0
122	Evaluating the impact of conceptual knowledge engineering on the design and usability of a clinical and translational science collaboration portal. Summit on Translational Bioinformatics, 2010, 2010, 41-5.	0.7	3
123	Biomedical Informatics and Outcomes Research. Circulation, 2009, 120, 2393-2399.	1.6	32
124	A Knowledge-Anchored Integrative Image Search and Retrieval System. Journal of Digital Imaging, 2009, 22, 166-182.	2.9	7
125	Validation of an LCâ€MS based approach for profiling histones in chronic lymphocytic leukemia. Proteomics, 2009, 9, 1197-1206.	2.2	22
126	Clinical Research Informatics: Challenges, Opportunities and Definition for an Emerging Domain. Journal of the American Medical Informatics Association: JAMIA, 2009, 16, 316-327.	4.4	145

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127	Clinical Attribute Network for Chronic Lymphocytic Leukemia. , 2009, , .		O
128	Translational informatics: enabling high-throughput research paradigms. Physiological Genomics, 2009, 39, 131-140.	2.3	52
129	The Impact of Libraries on Learning, Teaching and Research. Library and Information Research News, 2009, 25, 18-22.	0.1	5
130	Conceptual dissonance: evaluating the efficacy of natural language processing techniques for validating translational knowledge constructs. Summit on Translational Bioinformatics, 2009, 2009, 95-9.	0.7	2
131	Development of an agile knowledge engineering framework in support of multi-disciplinary translational research. Summit on Translational Bioinformatics, 2009, 2009, 14-8.	0.7	3
132	Adoption and Adaptation of caGrid for CTSA. Summit on Translational Bioinformatics, 2009, 2009, 44-8.	0.7	2
133	e-Science, caGrid, and Translational Biomedical Research. Computer, 2008, 41, 58-66.	1.1	15
134	Supporting the design of translational clinical studies through the generation and verification of conceptual knowledge-anchored hypotheses. AMIA Annual Symposium proceedings, 2008, , 566-70.	0.2	14
135	Ontology-anchored Approaches to Conceptual Knowledge Discovery in a Multi-dimensional Research Data Repository. Summit on Translational Bioinformatics, 2008, 2008, 85-9.	0.7	10
136	A roadmap for caGrid, an enterprise Grid architecture for biomedical research. Studies in Health Technology and Informatics, 2008, 138, 224-37.	0.3	9
137	The design of a pre-encounter clinical trial screening tool: ASAP. AMIA Annual Symposium proceedings, 2008, , 931.	0.2	6
138	Implementation of a metadata architecture and knowledge collection to support semantic interoperability in an enterprise data warehouse. AMIA Annual Symposium proceedings, 2008, , 929.	0.2	1
139	Conceptual knowledge acquisition in biomedicine: A methodological review. Journal of Biomedical Informatics, 2007, 40, 582-602.	4.3	53
140	Modeling participant-related clinical research events using conceptual knowledge acquisition techniques. AMIA Annual Symposium proceedings, 2007, , 593-7.	0.2	6
141	Identifying challenges and opportunities in clinical research informatics: analysis of a facilitated discussion at the 2006 AMIA Annual Symposium. AMIA Annual Symposium proceedings, 2007, , 221-5.	0.2	6
142	A day in the life of a clinical research coordinator: observations from community practice settings. Studies in Health Technology and Informatics, 2007, 129, 247-51.	0.3	16
143	Evaluating an NLP-based approach to modeling computable clinical trial eligibility criteria. AMIA Annual Symposium proceedings, 2007, , 878.	0.2	6
144	Development of an ontology-anchored data warehouse meta-model. AMIA Annual Symposium proceedings, 2007, , 1001.	0.2	1

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145	Impact measures for libraries and information services. Library Hi Tech, 2006, 24, 547-562.	5.1	76
146	Presentation discovery., 2006,,.		4
147	Novel techniques for survey and classification studies to improve patient centered websites. AMIA Annual Symposium proceedings, 2006, , 891.	0.2	O
148	Human computer interaction issues in Clinical Trials Management Systems. AMIA Annual Symposium proceedings, 2006, , 1109.	0.2	5
149	Coverage of clinical trials tasks in existing ontologies. AMIA Annual Symposium proceedings, 2006, , 903.	0.2	2
150	Modeling clinical trials workflow in community practice settings. AMIA Annual Symposium proceedings, 2006, , 419-23.	0.2	12
151	Consensus-based construction of a taxonomy of clinical trial tasks. AMIA Annual Symposium proceedings, 2006, , 1059.	0.2	1
152	Breaking the Translational Barriers: The Value of Integrating Biomedical Informatics and Translational Research. Journal of Investigative Medicine, 2005, 53, 192-200.	1.6	86
153	Quantifying Visual Similarity in Clinical Iconic Graphics. Journal of the American Medical Informatics Association: JAMIA, 2005, 12, 338-345.	4.4	22
154	Apocalypse and utopia in the Austrian novel of the 1930s., 2004,, 93-109.		0
155	Counting on making a difference: assessing our impact. VINE: the Journal of Information and Knowledge Management Systems, 2004, 34, 176-183.	1.0	6
156	Quantifying visual similarity in clinical iconic graphics. AMIA Annual Symposium proceedings, 2003, , 1016.	0.2	1
157	CRC Clinical Trials Management System (CTMS): an integrated information management solution for collaborative clinical research. AMIA Annual Symposium proceedings, 2003, , 967.	0.2	7
158	THE ORIGINALITY OF TEXT-CRITICAL SYMBOLS IN CODEX VATICANUS. Novum Testamentum, 2000, 42, 105-113.	0.0	2