

Dov Greenbaum

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

75
papers

4,512
citations

17
h-index

67
g-index

104
ext. papers

5,120
ext. citations

9.4
avg, IF

5.3
L-index

#	Paper	IF	Citations
75	Comparing protein abundance and mRNA expression levels on a genomic scale. <i>Genome Biology</i> , 2003 , 4, 117	18.3	1165
74	A Bayesian networks approach for predicting protein-protein interactions from genomic data. <i>Science</i> , 2003 , 302, 449-53	33.3	1007
73	Relating whole-genome expression data with protein-protein interactions. <i>Genome Research</i> , 2002 , 12, 37-46	9.7	509
72	Genomic analysis of essentiality within protein networks. <i>Trends in Genetics</i> , 2004 , 20, 227-31	8.5	254
71	The real cost of sequencing: higher than you think!. <i>Genome Biology</i> , 2011 , 12, 125	18.3	247
70	Bridging structural biology and genomics: assessing protein interaction data with known complexes. <i>Trends in Genetics</i> , 2002 , 18, 529-36	8.5	235
69	What is Bioinformatics? A Proposed Definition and Overview of the Field. <i>Methods of Information in Medicine</i> , 2001 , 40, 346-358	1.5	218
68	Analysis of mRNA expression and protein abundance data: an approach for the comparison of the enrichment of features in the cellular population of proteins and transcripts. <i>Bioinformatics</i> , 2002 , 18, 585-96	7.2	139
67	Interrelating different types of genomic data, from proteome to secretome: 'oming in on function. <i>Genome Research</i> , 2001 , 11, 1463-8	9.7	121
66	Analyzing cellular biochemistry in terms of molecular networks. <i>Annual Review of Biochemistry</i> , 2004 , 73, 1051-87	29.1	120
65	Genomic and proteomic analysis of the myeloid differentiation program: global analysis of gene expression during induced differentiation in the MPRO cell line. <i>Blood</i> , 2002 , 100, 3209-20	2.2	81
64	TopNet: a tool for comparing biological sub-networks, correlating protein properties with topological statistics. <i>Nucleic Acids Research</i> , 2004 , 32, 328-37	20.1	58
63	Genomics and privacy: implications of the new reality of closed data for the field. <i>PLoS Computational Biology</i> , 2011 , 7, e1002278	5	56
62	The role of cloud computing in managing the deluge of potentially private genetic data. <i>American Journal of Bioethics</i> , 2011 , 11, 39-41	1.1	34
61	Structural genomics analysis: characteristics of atypical, common, and horizontally transferred folds. <i>Proteins: Structure, Function and Bioinformatics</i> , 2002 , 47, 126-41	4.2	31
60	Genomic anonymity: have we already lost it?. <i>American Journal of Bioethics</i> , 2008 , 8, 71-4	1.1	24
59	An interdepartmental Ph.D. program in computational biology and bioinformatics: the Yale perspective. <i>Journal of Biomedical Informatics</i> , 2007 , 40, 73-9	10.2	14

58	GeneCensus: genome comparisons in terms of metabolic pathway activity and protein family sharing. <i>Nucleic Acids Research</i> , 2002 , 30, 4574-82	20.1	14
57	Hochschullehrerprivileg – A Modern Incarnation of the Professor’s Privilege to Promote University to Industry Technology Transfer. <i>Science, Technology and Society</i> , 2010 , 15, 55-76	1.5	12
56	Expanding ELSI to all areas of innovative science and technology. <i>Nature Biotechnology</i> , 2015 , 33, 425-6	44.5	10
55	Network security and data integrity in academia: an assessment and a proposal for large-scale archiving. <i>Genome Biology</i> , 2005 , 6, 119	18.3	9
54	Ethical, legal and social concerns relating to exoskeletons. <i>ACM SIGCAS Computers and Society</i> , 2016 , 45, 234-239	0	8
53	Deep Fakes and Memory Malleability: False Memories in the Service of Fake News. <i>AJOB Neuroscience</i> , 2020 , 11, 96-104	0.8	7
52	Wuz You Robbed? Concerns With Using Big Data Analytics in Sports. <i>American Journal of Bioethics</i> , 2018 , 18, 32-33	1.1	7
51	Structuring supplemental materials in support of reproducibility. <i>Genome Biology</i> , 2017 , 18, 64	18.3	7
50	Patents and drug shortages: will the new congressional efforts save us from impending drug shortages?. <i>American Journal of Bioethics</i> , 2012 , 12, 18-20	1.1	7
49	Grand challenge: ELSI in a changing global environment. <i>Frontiers in Genetics</i> , 2013 , 4, 158	4.5	7
48	A universal legal framework as a prerequisite for database interoperability. <i>Nature Biotechnology</i> , 2003 , 21, 979-82	44.5	7
47	Are BMI prosthetics uncontrollable Frankensteinian monsters?. <i>Brain-Computer Interfaces</i> , 2016 , 3, 149-155		5
46	If you don’t know where you are going, you might wind up someplace else: incidental findings in recreational personal genomics. <i>American Journal of Bioethics</i> , 2014 , 14, 12-4	1.1	5
45	Is Social Media a Cesspool of Misinformation? Clearing a Path for Patient-Friendly Safe Spaces Online. <i>American Journal of Bioethics</i> , 2017 , 17, 19-21	1.1	4
44	Genetic technology to prevent disabilities: how popular culture informs our understanding of the use of genetics to define and prevent undesirable traits. <i>American Journal of Bioethics</i> , 2015 , 15, 32-4	1.1	4
43	Social networking and personal genomics: suggestions for optimizing the interaction. <i>American Journal of Bioethics</i> , 2009 , 9, 15-9	1.1	4
42	Space debris puts exploration at risk. <i>Science</i> , 2020 , 370, 922	33.3	4
41	How Do You Donate Life When People Are Not Dying: Transplants in the Age of Autonomous Vehicles. <i>American Journal of Bioethics</i> , 2018 , 18, 27-29	1.1	3

40	Neuralink: The Ethical 'Rhythmic of Reading and Writing to the Brain. <i>AJOB Neuroscience</i> , 2019 , 10, 187-189	1.8	3
39	Legal and Social Implications of Predictive Brain Machine Interfaces: Duty of Care, Negligence, and Criminal Responsibility. <i>AJOB Neuroscience</i> , 2015 , 6, 40-42	0.8	3
38	Making It Count: Extracting Real World Data from Compassionate Use and Expanded Access Programs. <i>American Journal of Bioethics</i> , 2020 , 20, 89-92	1.1	3
37	Increased cyber-biosecurity for DNA synthesis. <i>Nature Biotechnology</i> , 2020 , 38, 1379-1381	44.5	3
36	When a Push Becomes a Shove: Nudging in Elderly Care. <i>American Journal of Bioethics</i> , 2019 , 19, 78-80	1.1	2
35	Avoiding Overregulation in the Medical Internet of Things129-141		2
34	Who Watches the Step-Watchers: The Ups and Downs of Turning Anecdotal Citizen Science into Actionable Clinical Data. <i>American Journal of Bioethics</i> , 2019 , 19, 44-46	1.1	2
33	Science and Law Separated by Impenetrable Language Barriers: Overcoming Impediments to Much Needed Interactions. <i>AJOB Neuroscience</i> , 2017 , 8, 37-39	0.8	2
32	Exoskeleton progress yields slippery slope. <i>Science</i> , 2015 , 350, 1176	33.3	2
31	Proposed social and technological solutions to issues of data privacy in personal genomics 2014 ,		2
30	Genomic data disclosure: time to reassess the realities. <i>American Journal of Bioethics</i> , 2013 , 13, 47-50	1.1	2
29	If you can't walk the walk, do you have to talk the talk: ethical considerations for the emerging field of sports genomics. <i>American Journal of Bioethics</i> , 2013 , 13, 19-21	1.1	2
28	Introducing personal genomics to college athletes: potentials and pitfalls. <i>American Journal of Bioethics</i> , 2012 , 12, 45-7	1.1	2
27	Cyberbiosecurity: An Emerging Field that has Ethical Implications for Clinical Neuroscience. <i>Cambridge Quarterly of Healthcare Ethics</i> , 2021 , 30, 662-668	0.9	2
26	Go Big or Go Home: Big Science and ELSI Funding. <i>AJOB Neuroscience</i> , 2016 , 7, 32-34	0.8	2
25	More Nuanced Informed Consent Is Not Necessarily Better Informed Consent. <i>American Journal of Bioethics</i> , 2015 , 15, 51-3	1.1	1
24	Hotline Bling: Late-Night Ethics Calls as an Alternative to Research Ethics Consultations. <i>American Journal of Bioethics</i> , 2018 , 18, 61-62	1.1	1
23	Regulation and the fate of personalized medicine. <i>AMA Journal of Ethics</i> , 2012 , 14, 645-52	1.4	1

22	Patentable subject matter: morally neutral and context free. <i>Recent Patents on DNA & Gene Sequences</i> , 2011 , 5, 72-80		1
21	When scientific data become legal evidence. <i>Science</i> , 2009 , 324, 335-6; author reply 335-6	33.3	1
20	Social considerations in research: consider them but don't use them. <i>American Journal of Bioethics</i> , 2011 , 11, 31-2	1.1	1
19	An analysis of the present system of scientific publishing: what's wrong and where to go from here. <i>Interdisciplinary Science Reviews</i> , 2003 , 28, 293-302	0.7	1
18	Semantic Web Standards: Legal and Social Issues and Implications 2007 , 413-433		1
17	Making Compassionate Use More Useful: Using real-world data, real-world evidence and digital twins to supplement or supplant randomized controlled trials 2020 ,		1
16	Memories: More Dangerous Than the Real Thing?. <i>AJOB Neuroscience</i> , 2016 , 7, 251-253	0.8	1
15	Establishing a Global Standard for Wearable Devices in Sport and Exercise Medicine: Perspectives from Academic and Industry Stakeholders. <i>Sports Medicine</i> , 2021 , 51, 2237-2250	10.6	1
14	Making Compassionate Use More Useful: Using real-world data, real-world evidence and digital twins to supplement or supplant randomized controlled trials. <i>Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing</i> , 2021 , 26, 38-49	1.3	1
13	They Chose [Poorly] : A Novel Cause of Action to Discourage Detrimental Genetic Selection. <i>American Journal of Law and Medicine</i> , 2017 , 43, 107-137	0.5	0
12	Computer security in academia-a potential roadblock to distributed annotation of the human genome. <i>Nature Biotechnology</i> , 2004 , 22, 771-2	44.5	0
11	Matters of life and death. <i>Science</i> , 2017 , 355, 1029	33.3	
10	Thematic Coherence Within Narratives: A Feature or a Bug?. <i>AJOB Neuroscience</i> , 2020 , 11, 24-25	0.8	
9	The Impact of the Humanities in Science and Technology Research: A Multidisciplinary Approach to the Ethical, Social, and Legal Impacts of Science and Innovation. <i>AJOB Neuroscience</i> , 2016 , 7, 106-107	0.8	
8	Is Criminal Law Both Redundant and Inconsistent?: Crime and Consciousness in Light of Developments in Neuroscience. <i>AJOB Neuroscience</i> , 2018 , 9, 51-52	0.8	
7	Ethics of AI in Transplant Matching: Is It Better or Just More of the Same?. <i>American Journal of Bioethics</i> , 2019 , 19, 45-47	1.1	
6	Collegiate Sports: Professionals All But in Name Raise Unique Bioethics Concerns in the Collection of Biometric Data. <i>American Journal of Bioethics</i> , 2017 , 17, 70-72	1.1	
5	An analysis of federal circuit discrimination: the evolution of the written description requirement vis-a-vis DNA and biotechnological inventions concerns for synthetic biology. <i>Recent Patents on DNA & Gene Sequences</i> , 2011 , 5, 153-65		

- 4 State Neutrality and Patentable Subject Matter: Developing Controversial Biotechnology. *AJOB Neuroscience*, **2010**, 1, 59-61 0.8
- 3 An analysis of the evolution of the written description requirement vis-à-vis DNA and biotechnological inventions. *Recent Patents on DNA & Gene Sequences*, **2007**, 1, 138-44
- 2 The lasting legacy of John von Neumann Norton, 2022. 368 pp.. *Science*, **2022**, 375, 983 33.3
- 1 ELSI: Ethical, Legal and Social Implications **2022**,