Brian D Athey

List of Publications by Year
in descending order

34 papers	1,017 citations	623188 14 h-index	580395 25 g-index
37 all docs	37 docs citations	37 times ranked	1710 citing authors

#	Article	IF	Citations
1	Structural Molecular Dynamics Studies on Polyamidoamine Dendrimers for a Therapeutic Application:‰ Effects of pH and Generation. Macromolecules, 2002, 35, 4510-4520.	2.2	263
2	Subcellular optochemical nanobiosensors: probes encapsulated by biologically localised embedding (PEBBLEs). Sensors and Actuators B: Chemical, 1998, 51, 12-16.	4.0	125
3	Deep learning in pharmacogenomics: from gene regulation to patient stratification. Pharmacogenomics, 2018, 19, 629-650.	0.6	119
4	CLO: The cell line ontology. Journal of Biomedical Semantics, 2014, 5, 37.	0.9	89
5	CIDO, a community-based ontology for coronavirus disease knowledge and data integration, sharing, and analysis. Scientific Data, 2020, 7, 181.	2.4	70
6	Synergies and Distinctions Between Computational Disciplines in Biomedical Research: Perspective From the Clinical and Translational Science Award Programs. Academic Medicine, 2009, 84, 964-970.	0.8	39
7	Integrated metabolome and transcriptome analysis of the NCI60 dataset. BMC Bioinformatics, 2011, 12, S36.	1.2	38
8	A glutamatergic network mediates lithium response in bipolar disorder as defined by epigenome pathway analysis. Pharmacogenomics, 2015, 16, 1547-1563.	0.6	34
9	Network Reconstruction Reveals that Valproic Acid Activates Neurogenic Transcriptional Programs in Adult Brain Following Traumatic Injury. Pharmaceutical Research, 2017, 34, 1658-1672.	1.7	22
10	3D Shape Modeling for Cell Nuclear Morphological Analysis and Classification. Scientific Reports, 2018, 8, 13658.	1.6	22
11	A Methodology for Account Management in Grid Computing Environments. Lecture Notes in Computer Science, 2001, , 133-144.	1.0	22
12	Epigenomic mapping and effect sizes of noncoding variants associated with psychotropic drug response. Pharmacogenomics, 2015, 16, 1565-1583.	0.6	21
13	Optical sectioning by holographic coherence imaging: a generalized analysis. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2003, 20, 380.	0.8	18
14	The epigenome, 4D nucleome and next-generation neuropsychiatric pharmacogenomics. Pharmacogenomics, 2015, 16, 1649-1669.	0.6	18
15	The NIH National Center for Integrative Biomedical Informatics (NCIBI). Journal of the American Medical Informatics Association: JAMIA, 2012, 19, 166-170.	2.2	17
16	3D Cell Nuclear Morphology: Microscopy Imaging Dataset and Voxel-Based Morphometry Classification Results. , 2018, , .		14
17	Cross-domain neurobiology data integration and exploration. BMC Genomics, 2010, 11, S6.	1.2	11
18	Mining the topography and dynamics of the 4D Nucleome to identify novel CNS drug pathways. Methods, 2017, 123, 102-118.	1.9	11

#	Article	IF	Citations
19	Druggable Transcriptional Networks in the Human Neurogenic Epigenome. Pharmacological Reviews, 2019, 71, 520-538.	7.1	11
20	Correlations among angular wave component amplitudes in elastic multiple-scattering random media. Physical Review E, 2002, 65, 026614.	0.8	10
21	Open Biomedical Ontology-based Medline exploration. BMC Bioinformatics, 2009, 10, S6.	1.2	10
22	Valproic acid-induced changes of 4D nuclear morphology in astrocyte cells. Molecular Biology of the Cell, 2021, 32, 1624-1633.	0.9	6
23	Final Report of the Meeting â€œModeling & Simulation in Medicine: Towards an Integrated Frameworkâ€ July 20-21, 2000, National Library of Medicine, National Institutes of Health, Bethesda, Maryland, USA. Computer Aided Surgery, 2001, 6, 32-39.	1.8	5
24	<title>Navigating solid medical images by pencils of sectioning planes</title>. , 2000, , .		4
25	Investigation of ultrafast time gating by spatial filtering. Applied Optics, 2001, 40, 2282.	2.1	4
26	The pharmacoepigenomics informatics pipeline defines a pathway of novel and known warfarin pharmacogenomics variants. Pharmacogenomics, 2018, 19, 413-434.	0.6	4
27	AN ACTIVE VISUAL SEARCH INTERFACE FOR MEDLINE. , 2007, , .		3
28	<title>Information optics concepts applied to image formation in highly scattering media</title>. , 2001, 4392, 1.		0
29	<title>Generalization of the theory of holographic coherence confocal imaging</title>. , 2002, , .		0
30	Noise suppression and optical sectioning by non-phase-recording interferometry. Applied Optics, 2004, 43, 4512.	2.1	0
31	Integrative Biomedical Informatics. , 2007, , .		0
32	Cross-Domain Neurobiology Data Integration and Exploration. , 2009, , .		0
33	&#x201C;Keeping up with Bioinformatics and Computational Biology as applied to biomedicine&#x2014;Where has it been? Where is it going?&#x201D;. , 2009, , .		0
34	Synthetic aperture, holographic, chirped confocal process. , 2004, , .		0