Nils Gehlenborg

List of Publications by Citations

89 papers	**22,643** citations	**38** h-index	**124** g-index
124 ext. papers	**30,935** ext. citations	**18.6** avg, IF	**5.86** L-index

#	Paper	IF	Citations
89	The somatic genomic landscape of glioblastoma. *Cell*, **2013**, 155, 462-77	56.2	2900
88	Comprehensive, Integrative Genomic Analysis of Diffuse Lower-Grade Gliomas. *New England Journal of Medicine*, **2015**, 372, 2481-98	59.2	1828
87	Genomic Classification of Cutaneous Melanoma. *Cell*, **2015**, 161, 1681-96	56.2	1807
86	The Molecular Taxonomy of Primary Prostate Cancer. *Cell*, **2015**, 163, 1011-25	56.2	1713
85	Integrated genomic characterization of papillary thyroid carcinoma. *Cell*, **2014**, 159, 676-90	56.2	1660
84	Molecular Profiling Reveals Biologically Discrete Subsets and Pathways of Progression in Diffuse Glioma. *Cell*, **2016**, 164, 550-63	56.2	1140
83	An Integrated TCGA Pan-Cancer Clinical Data Resource to Drive High-Quality Survival Outcome Analytics. *Cell*, **2018**, 173, 400-416.e11	56.2	1072
82	Comprehensive Molecular Portraits of Invasive Lobular Breast Cancer. *Cell*, **2015**, 163, 506-19	56.2	1055
81	UpSetR: an R package for the visualization of intersecting sets and their properties. *Bioinformatics*, **2017**, 33, 2938-2940	7.2	920
80	Cell-of-Origin Patterns Dominate the Molecular Classification of 10,000 Tumors from 33 Types of Cancer. *Cell*, **2018**, 173, 291-304.e6	56.2	888
79	Comprehensive Characterization of Cancer Driver Genes and Mutations. *Cell*, **2018**, 173, 371-385.e18	56.2	854
78	UpSet: Visualization of Intersecting Sets. *IEEE Transactions on Visualization and Computer Graphics*, **2014**, 20, 1983-92	4	752
77	The somatic genomic landscape of chromophobe renal cell carcinoma. *Cancer Cell*, **2014**, 26, 319-330	24.3	521
76	Visualization of omics data for systems biology. *Nature Methods*, **2010**, 7, S56-68	21.6	459
75	Genomic and Molecular Landscape of DNA Damage Repair Deficiency across The Cancer Genome Atlas. *Cell Reports*, **2018**, 23, 239-254.e6	10.6	405
74	Integrative Analysis Identifies Four Molecular and Clinical Subsets in Uveal Melanoma. *Cancer Cell*, **2017**, 32, 204-220.e15	24.3	391
73	Genomic and Functional Approaches to Understanding Cancer Aneuploidy. *Cancer Cell*, **2018**, 33, 676-689.e3	24.3	377

72	Comprehensive Molecular Characterization of Pheochromocytoma and Paraganglioma. *Cancer Cell*, **2017**, 31, 181-193	24.3	350
71	Scalable Open Science Approach for Mutation Calling of Tumor Exomes Using Multiple Genomic Pipelines. *Cell Systems*, **2018**, 6, 271-281.e7	10.6	320
70	Comparative analysis of metazoan chromatin organization. *Nature*, **2014**, 512, 449-52	50.4	265
69	Integrative Genomic Analysis of Cholangiocarcinoma Identifies Distinct IDH-Mutant Molecular Profiles. *Cell Reports*, **2017**, 18, 2780-2794	10.6	247
68	HiGlass: web-based visual exploration and analysis of genome interaction maps. *Genome Biology*, **2018**, 19, 125	18.3	242
67	Diverse mechanisms of somatic structural variations in human cancer genomes. *Cell*, **2013**, 153, 919-29	56.2	238
66	Characterization of HPV and host genome interactions in primary head and neck cancers. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 15544-9	11.5	229
65	Integrated Molecular Characterization of Uterine Carcinosarcoma. *Cancer Cell*, **2017**, 31, 411-423	24.3	210
64	A systems approach to prion disease. *Molecular Systems Biology*, **2009**, 5, 252	12.2	195
63	Somatic Mutational Landscape of Splicing Factor Genes and Their Functional Consequences across 33 Cancer Types. *Cell Reports*, **2018**, 23, 282-296.e4	10.6	188
62	Perspective on Oncogenic Processes at the End of the Beginning of Cancer Genomics. *Cell*, **2018**, 173, 305-320.e10	56.2	166
61	LineUp: visual analysis of multi-attribute rankings. *IEEE Transactions on Visualization and Computer Graphics*, **2013**, 19, 2277-86	4	154
60	An integrated, directed mass spectrometric approach for in-depth characterization of complex peptide mixtures. *Molecular and Cellular Proteomics*, **2008**, 7, 2138-50	7.6	119
59	Visualizing biological data-now and in the future. *Nature Methods*, **2010**, 7, S2-4	21.6	85
58	International electronic health record-derived COVID-19 clinical course profiles: the 4CE consortium. *Npj Digital Medicine*, **2020**, 3, 109	15.7	61
57	StratomeX: Visual Analysis of Large-Scale Heterogeneous Genomics Data for Cancer Subtype Characterization. *Computer Graphics Forum*, **2012**, 31, 1175-1184	2.4	59
56	Bar charts and box plots. *Nature Methods*, **2014**, 11, 117	21.6	47
55	Points of View: Heat maps. *Nature Methods*, **2012**, 9, 213	21.6	45

54	Mayday--a microarray data analysis workbench. *Bioinformatics*, **2006**, 22, 1010-2	7.2	43
53	Probabilistic retrieval and visualization of biologically relevant microarray experiments. *Bioinformatics*, **2009**, 25, i145-53	7.2	37
52	Domino: Extracting, Comparing, and Manipulating Subsets Across Multiple Tabular Datasets. *IEEE Transactions on Visualization and Computer Graphics*, **2014**, 20, 2023-32	4	34
51	From Visual Exploration to Storytelling and Back Again. *Computer Graphics Forum*, **2016**, 35, 491-500	2.4	31
50	HiPiler: Visual Exploration of Large Genome Interaction Matrices with Interactive Small Multiples. *IEEE Transactions on Visualization and Computer Graphics*, **2018**, 24, 522-531	4	21
49	Tasks, Techniques, and Tools for Genomic Data Visualization. *Computer Graphics Forum*, **2019**, 38, 781-805	2.4	19
48	AVOCADO: Visualization of Workflow-Derived Data Provenance for Reproducible Biomedical Research. *Computer Graphics Forum*, **2016**, 35, 481-490	2.4	18
47	Guided visual exploration of genomic stratifications in cancer. *Nature Methods*, **2014**, 11, 884-885	21.6	17
46	Points of view: Mapping quantitative data to color. *Nature Methods*, **2012**, 9, 769	21.6	16
45	The Prion Disease Database: a comprehensive transcriptome resource for systems biology research in prion diseases. *Database: the Journal of Biological Databases and Curation*, **2009**, 2009, bap011	5	16
44	A Framework for Visualization of Microarray Data and Integrated Meta Information. *Information Visualization*, **2005**, 4, 164-175	2.4	16
43	Ontologies in biological data visualization. *IEEE Computer Graphics and Applications*, **2014**, 34, 8-15	1.7	15
42	Nozzle: a report generation toolkit for data analysis pipelines. *Bioinformatics*, **2013**, 29, 1089-91	7.2	15
41	Data-driven information retrieval in heterogeneous collections of transcriptomics data links SIM2s to malignant pleural mesothelioma. *Bioinformatics*, **2012**, 28, 246-53	7.2	13
40	What Every Reader Should Know About Studies Using Electronic Health Record Data but May Be Afraid to Ask. *Journal of Medical Internet Research*, **2021**, 23, e22219	7.6	13
39	Lineage: Visualizing Multivariate Clinical Data in Genealogy Graphs. *IEEE Transactions on Visualization and Computer Graphics*, **2019**, 25, 1543-1558	4	13
38	International Analysis of Electronic Health Records of Children and Youth Hospitalized With COVID-19 Infection in 6 Countries. *JAMA Network Open*, **2021**, 4, e2112596	10.4	12
37	Into the third dimension. *Nature Methods*, **2012**, 9, 851	21.6	11

36	Prequips--an extensible software platform for integration, visualization and analysis of LC-MS/MS proteomics data. *Bioinformatics*, **2009**, 25, 682-3	7.2	11
35	UpSetR: An R Package for the Visualization of Intersecting Sets and their Properties		11
34	HiGlass: Web-based Visual Exploration and Analysis of Genome Interaction Maps		11
33	International Electronic Health Record-Derived COVID-19 Clinical Course Profiles: The 4CE Consortium		9
32	Guidelines for reporting single-cell RNA-seq experiments. *Nature Biotechnology*, **2020**, 38, 1384-1386	44.5	9
31	Interactive visual exploration and refinement of cluster assignments. *BMC Bioinformatics*, **2017**, 18, 406	3.6	8
30	Points of view: Networks. *Nature Methods*, **2012**, 9, 115	21.6	8
29	Peax: Interactive Visual Pattern Search in Sequential Data Using Unsupervised Deep Representation Learning. *Computer Graphics Forum*, **2020**, 39, 167-179	2.4	8
28	Ten simple rules for organizing a scientific meeting. *PLoS Computational Biology*, **2008**, 4, e1000080	5	7
27	SATORI: a system for ontology-guided visual exploration of biomedical data repositories. *Bioinformatics*, **2018**, 34, 1200-1207	7.2	6
26	Power of the plane. *Nature Methods*, **2012**, 9, 935	21.6	5
25	Points of view: Integrating data. *Nature Methods*, **2012**, 9, 315	21.6	5
24	Visualization of large microarray experiments with space maps. *BMC Bioinformatics*, **2009**, 10,	3.6	5
23	Probabilistic retrieval and visualization of biologically relevant microarray experiments. *BMC Bioinformatics*, **2009**, 10,	3.6	5
22	METHODS TO ENHANCE THE REPRODUCIBILITY OF PRECISION MEDICINE. *Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing*, **2016**, 21, 180-182	1.3	5
21	Pattern-Driven Navigation in 2D Multiscale Visualizations with Scalable Insets. *IEEE Transactions on Visualization and Computer Graphics*, **2020**, 26, 611-621	4	4
20	Highlights from the Third International Society for Computational Biology Student Council Symposium at the Fifteenth Annual International Conference on Intelligent Systems for Molecular Biology. *BMC Bioinformatics*, **2007**, 8, I1	3.6	4
19	Viv: Multiscale Visualization of High-Resolution Multiplexed Bioimaging Data on the Web		4

18	Gosling: A Grammar-based Toolkit for Scalable and Interactive Genomics Data Visualization. *IEEE Transactions on Visualization and Computer Graphics*, **2021**, PP,	4	4
17	Multinational characterization of neurological phenotypes in patients hospitalized with COVID-19. *Scientific Reports*, **2021**, 11, 20238	4.9	3
16	The 4D Nucleome Data Portal: a resource for searching and visualizing curated nucleomics data		3
15	From Visual Exploration to Storytelling and Back Again		3
14	The 4D Nucleome Data Portal as a resource for searching and visualizing curated nucleomics data.. *Nature Communications*, **2022**, 13, 2365	17.4	3
13	Don℞ Wear Your New Shoes (Yet): Taking the Right Steps to Become a Successful Principal Investigator. *PLoS Computational Biology*, **2013**, 9, e1002834	5	2
12	International Changes in COVID-19 Clinical Trajectories Across 315 Hospitals and 6 Countries: Retrospective Cohort Study. *Journal of Medical Internet Research*, **2021**, 23, e31400	7.6	2
11	MITI minimum information guidelines for highly multiplexed tissue images.. *Nature Methods*, **2022**, 19, 262-267	21.6	2
10	Halyos: A patient-facing visual EHR interface for longitudinal risk awareness		1
9	SATORI: A System for Ontology-Guided Visual Exploration of Biomedical Data Repositories		1
8	Pattern-Driven Navigation in 2D Multiscale Visualizations with Scalable Insets		1
7	Peax Interactive Visual Pattern Search in Sequential Data Using Unsupervised Deep Representation Learning		1
6	HiPiler: Visual Exploration of Large Genome Interaction Matrices with Interactive Small Multiples		1
5	OncoThreads: visualization of large-scale longitudinal cancer molecular data. *Bioinformatics*, **2021**, 37, i59-i66	7.2	1
4	Viv: multiscale visualization of high-resolution multiplexed bioimaging data on the web.. *Nature Methods*, **2022**, 19, 515-516	21.6	1
3	Effective Communication of Personalized Risks and Patient Preferences During Surgical Informed Consent Using Data Visualization: Qualitative Semistructured Interview Study With Patients After Surgery.. *JMIR Human Factors*, **2022**, 9, e29118	2.5	0
2	Response to "Plotting intersections" by Lentini. *Nature Methods*, **2015**, 12, 281	21.6	
1	User-Centric Process of Designing a Molecular & Cellular Query Interface for Biomedical Research. *Proceedings of the Design Society*, **2022**, 2, 221-230		