

# Thomas Brettin

## List of Publications by Year in Descending Order

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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.

79  
papers

4,156  
citations

28  
h-index

63  
g-index

83  
ext. papers

6,069  
ext. citations

6.9  
avg, IF

4.51  
L-index

#	Paper	IF	Citations
79	High-Throughput Virtual Screening and Validation of a SARS-CoV-2 Main Protease Noncovalent Inhibitor. <i>Journal of Chemical Information and Modeling</i> , <b>2021</b> ,	6.1	12
78	Converting tabular data into images for deep learning with convolutional neural networks. <i>Scientific Reports</i> , <b>2021</b> , 11, 11325	4.9	6
77	Learning curves for drug response prediction in cancer cell lines. <i>BMC Bioinformatics</i> , <b>2021</b> , 22, 252	3.6	3
76	A genomic data resource for predicting antimicrobial resistance from laboratory-derived antimicrobial susceptibility phenotypes. <i>Briefings in Bioinformatics</i> , <b>2021</b> , 22,	13.4	2
75	The PATRIC Bioinformatics Resource Center: expanding data and analysis capabilities. <i>Nucleic Acids Research</i> , <b>2020</b> , 48, D606-D612	20.1	206
74	Enhanced Co-Expression Extrapolation (COXEN) Gene Selection Method for Building Anti-Cancer Drug Response Prediction Models. <i>Genes</i> , <b>2020</b> , 11,	4.2	4
73	Ensemble transfer learning for the prediction of anti-cancer drug response. <i>Scientific Reports</i> , <b>2020</b> , 10, 18040	4.9	15
72	Cystic Fibrosis Rapid Response: Translating Multi-omics Data into Clinically Relevant Information. <i>MBio</i> , <b>2019</b> , 10,	7.8	16
71	PATRIC as a unique resource for studying antimicrobial resistance. <i>Briefings in Bioinformatics</i> , <b>2019</b> , 20, 1094-1102	13.4	43
70	AI Meets Exascale Computing: Advancing Cancer Research With Large-Scale High Performance Computing. <i>Frontiers in Oncology</i> , <b>2019</b> , 9, 984	5.3	10
69	Developing an in silico minimum inhibitory concentration panel test for <i>Klebsiella pneumoniae</i> . <i>Scientific Reports</i> , <b>2018</b> , 8, 421	4.9	83
68	CANDLE/Supervisor: a workflow framework for machine learning applied to cancer research. <i>BMC Bioinformatics</i> , <b>2018</b> , 19, 491	3.6	21
67	Predicting tumor cell line response to drug pairs with deep learning. <i>BMC Bioinformatics</i> , <b>2018</b> , 19, 486	3.6	51
66	Improvements to PATRIC, the all-bacterial Bioinformatics Database and Analysis Resource Center. <i>Nucleic Acids Research</i> , <b>2017</b> , 45, D535-D542	20.1	809
65	Population Genomic Analysis of 1,777 Extended-Spectrum Beta-Lactamase-Producing Isolates, Houston, Texas: Unexpected Abundance of Clonal Group 307. <i>MBio</i> , <b>2017</b> , 8,	7.8	79
64	Whole-Genome Sequencing of a Human Clinical Isolate of the Novel Species sp. nov. <i>Genome Announcements</i> , <b>2017</b> , 5,		32
63	Whole-Genome Sequencing of Human Clinical Isolates Reveals Misidentification and Misunderstandings of , , and. <i>MSphere</i> , <b>2017</b> , 2,	5	78

62	Antimicrobial Resistance Prediction in PATRIC and RAST. <i>Scientific Reports</i> , <b>2016</b> , 6, 27930	4.9	120
61	RASTtk: a modular and extensible implementation of the RAST algorithm for building custom annotation pipelines and annotating batches of genomes. <i>Scientific Reports</i> , <b>2015</b> , 5, 8365	4.9	1061
60	Complete genome sequence of the filamentous gliding predatory bacterium <i>Herpetosiphon aurantiacus</i> type strain (114-95(T)). <i>Standards in Genomic Sciences</i> , <b>2011</b> , 5, 356-70		35
59	Complete genome sequence of <i>Rhodospirillum rubrum</i> type strain (S1). <i>Standards in Genomic Sciences</i> , <b>2011</b> , 4, 293-302		31
58	Complete genome sequence of <i>Tolumonas auensis</i> type strain (TA 4). <i>Standards in Genomic Sciences</i> , <b>2011</b> , 5, 112-20		4
57	Complete genome sequence of <i>Ferroglobus placidus</i> AEDII12DO. <i>Standards in Genomic Sciences</i> , <b>2011</b> , 5, 50-60		27
56	Complete genome sequence of the halophilic and highly halotolerant <i>Chromohalobacter salexigens</i> type strain (1H11(T)). <i>Standards in Genomic Sciences</i> , <b>2011</b> , 5, 379-88		28
55	Complete genome sequence of <i>Tsukamurella paurometabola</i> type strain (no. 33). <i>Standards in Genomic Sciences</i> , <b>2011</b> , 4, 342-51		8
54	Non-contiguous finished genome sequence and contextual data of the filamentous soil bacterium <i>Ktedonobacter racemifer</i> type strain (SOSP1-21). <i>Standards in Genomic Sciences</i> , <b>2011</b> , 5, 97-111		72
53	Complete genome sequence of <i>Thermomonospora curvata</i> type strain (B9). <i>Standards in Genomic Sciences</i> , <b>2011</b> , 4, 13-22		24
52	The genome sequence of <i>Methanohalophilus mahii</i> SLP(T) reveals differences in the energy metabolism among members of the Methanosarcinaceae inhabiting freshwater and saline environments. <i>Archaea</i> , <b>2010</b> , 2010, 690737	2	31
51	Complete genome sequence of <i>Rhizobium leguminosarum</i> bv. <i>trifolii</i> strain WSM1325, an effective microsymbiont of annual Mediterranean clovers. <i>Standards in Genomic Sciences</i> , <b>2010</b> , 2, 347-56		45
50	Sequencing of multiple clostridial genomes related to biomass conversion and biofuel production. <i>Journal of Bacteriology</i> , <b>2010</b> , 192, 6494-6	3.5	71
49	Complete genome sequence of <i>Ferrimonas balearica</i> type strain (PAT). <i>Standards in Genomic Sciences</i> , <b>2010</b> , 3, 174-82		9
48	Complete genome sequence of <i>Veillonella parvula</i> type strain (Te3). <i>Standards in Genomic Sciences</i> , <b>2010</b> , 2, 57-65		29
47	Complete genome sequence of <i>Kribbella flavida</i> type strain (IFO 14399). <i>Standards in Genomic Sciences</i> , <b>2010</b> , 2, 186-93		10
46	Complete genome sequence of <i>Conexibacter woesei</i> type strain (ID131577). <i>Standards in Genomic Sciences</i> , <b>2010</b> , 2, 212-9		15
45	Complete genome sequence of <i>Acidaminococcus fermentans</i> type strain (VR4). <i>Standards in Genomic Sciences</i> , <b>2010</b> , 3, 1-14		19

44	Complete genome sequence of <i>Ignisphaera aggregans</i> type strain (AQ1.S1). <i>Standards in Genomic Sciences</i> , <b>2010</b> , 3, 66-75	13
43	Complete genome sequence of <i>Thermobaculum terrenum</i> type strain (YNP1). <i>Standards in Genomic Sciences</i> , <b>2010</b> , 3, 153-62	9
42	Complete genome sequence of <i>Alicyclobacillus acidocaldarius</i> type strain (104-IA). <i>Standards in Genomic Sciences</i> , <b>2010</b> , 2, 9-18	20
41	Complete genome sequence of <i>Sphaerobacter thermophilus</i> type strain (S 6022). <i>Standards in Genomic Sciences</i> , <b>2010</b> , 2, 49-56	20
40	Complete genome sequence of <i>Streptosporangium roseum</i> type strain (NI 9100). <i>Standards in Genomic Sciences</i> , <b>2010</b> , 2, 29-37	25
39	Complete genome sequence of <i>Chitinophaga pinensis</i> type strain (UQM 2034). <i>Standards in Genomic Sciences</i> , <b>2010</b> , 2, 87-95	57
38	Complete genome sequence of <i>Sulfurospirillum deleyianum</i> type strain (5175). <i>Standards in Genomic Sciences</i> , <b>2010</b> , 2, 149-57	24
37	Complete genome sequence of <i>Haloterrigena turkmenica</i> type strain (4k). <i>Standards in Genomic Sciences</i> , <b>2010</b> , 2, 107-16	28
36	Complete genome sequence of <i>Haliangium ochraceum</i> type strain (SMP-2). <i>Standards in Genomic Sciences</i> , <b>2010</b> , 2, 96-106	53
35	Complete genome sequence of <i>Geodermatophilus obscurus</i> type strain (G-20). <i>Standards in Genomic Sciences</i> , <b>2010</b> , 2, 158-67	49
34	Complete genome sequence of <i>Nakamurella multipartita</i> type strain (Y-104). <i>Standards in Genomic Sciences</i> , <b>2010</b> , 2, 168-75	28
33	Complete genome sequence of <i>Spirosoma linguale</i> type strain (1). <i>Standards in Genomic Sciences</i> , <b>2010</b> , 2, 176-85	35
32	Complete genome sequence of <i>Segniliparus rotundus</i> type strain (CDC 1076). <i>Standards in Genomic Sciences</i> , <b>2010</b> , 2, 203-11	9
31	Complete genome sequence of <i>Sebaldella termitidis</i> type strain (NCTC 11300). <i>Standards in Genomic Sciences</i> , <b>2010</b> , 2, 220-7	16
30	Complete genome sequence of <i>Thermosphaera aggregans</i> type strain (M11TL). <i>Standards in Genomic Sciences</i> , <b>2010</b> , 2, 245-59	12
29	Complete genome sequence of <i>Coralimargarita akajimensis</i> type strain (04OKA010-24). <i>Standards in Genomic Sciences</i> , <b>2010</b> , 2, 290-9	18
28	Complete genome sequence of <i>Thermobispora bispora</i> type strain (R51). <i>Standards in Genomic Sciences</i> , <b>2010</b> , 2, 318-26	18
27	Complete genome sequence of <i>Desulfohalobium retbaense</i> type strain (HR(100)). <i>Standards in Genomic Sciences</i> , <b>2010</b> , 2, 38-48	17

26	Complete genome sequence of <i>Archaeoglobus profundus</i> type strain (AV18). <i>Standards in Genomic Sciences</i> , <b>2010</b> , 2, 327-46	20
25	Complete genome sequence of <i>Denitrovibrio acetiphilus</i> type strain (N2460). <i>Standards in Genomic Sciences</i> , <b>2010</b> , 2, 270-9	11
24	Complete genome sequence of <i>Gordonia bronchialis</i> type strain (3410). <i>Standards in Genomic Sciences</i> , <b>2010</b> , 2, 19-28	19
23	Complete genome sequence of <i>Sulfurimonas autotrophica</i> type strain (OK10). <i>Standards in Genomic Sciences</i> , <b>2010</b> , 3, 194-202	32
22	Complete genome sequence of <i>Halorhabdus utahensis</i> type strain (AX-2). <i>Standards in Genomic Sciences</i> , <b>2009</b> , 1, 218-25	21
21	Complete genome sequence of <i>Beutenbergia cavernae</i> type strain (HKI 0122). <i>Standards in Genomic Sciences</i> , <b>2009</b> , 1, 21-8	11
20	Complete genome sequence of <i>Cryptobacterium curtum</i> type strain (12-3). <i>Standards in Genomic Sciences</i> , <b>2009</b> , 1, 93-100	13
19	Complete genome sequence of <i>Desulfomicrobium baculatum</i> type strain (X). <i>Standards in Genomic Sciences</i> , <b>2009</b> , 1, 29-37	30
18	Complete genome sequence of <i>Sanguibacter keddieii</i> type strain (ST-74). <i>Standards in Genomic Sciences</i> , <b>2009</b> , 1, 110-8	10
17	Complete genome sequence of <i>Catenulispora acidiphila</i> type strain (ID 139908). <i>Standards in Genomic Sciences</i> , <b>2009</b> , 1, 119-25	19
16	Complete genome sequence of <i>Leptotrichia buccalis</i> type strain (C-1013-b). <i>Standards in Genomic Sciences</i> , <b>2009</b> , 1, 126-32	17
15	Complete genome sequence of <i>Saccharomonospora viridis</i> type strain (P101). <i>Standards in Genomic Sciences</i> , <b>2009</b> , 1, 141-9	21
14	Complete genome sequence of <i>Actinosynnema mirum</i> type strain (101). <i>Standards in Genomic Sciences</i> , <b>2009</b> , 1, 46-53	32
13	Complete genome sequence of <i>Anaerococcus prevotii</i> type strain (PC1). <i>Standards in Genomic Sciences</i> , <b>2009</b> , 1, 159-65	18
12	Complete genome sequence of <i>Atopobium parvulum</i> type strain (IPP 1246). <i>Standards in Genomic Sciences</i> , <b>2009</b> , 1, 166-73	21
11	Complete genome sequence of <i>Eggerthella lenta</i> type strain (IPP VPI 0255). <i>Standards in Genomic Sciences</i> , <b>2009</b> , 1, 174-82	31
10	Complete genome sequence of <i>Kangiella koreensis</i> type strain (SW-125). <i>Standards in Genomic Sciences</i> , <b>2009</b> , 1, 226-33	10
9	Complete genome sequence of <i>Jonesia denitrificans</i> type strain (Prevot 55134). <i>Standards in Genomic Sciences</i> , <b>2009</b> , 1, 262-9	10

8	Complete genome sequence of Halomicrobium mukohataei type strain (arg-2). <i>Standards in Genomic Sciences</i> , <b>2009</b> , 1, 270-7	30
7	Complete genome sequence of Rhodothermus marinus type strain (R-10). <i>Standards in Genomic Sciences</i> , <b>2009</b> , 1, 283-90	20
6	Complete genome sequence of Streptobacillus moniliformis type strain (9901). <i>Standards in Genomic Sciences</i> , <b>2009</b> , 1, 300-7	16
5	Complete genome sequence of Kytococcus sedentarius type strain (541). <i>Standards in Genomic Sciences</i> , <b>2009</b> , 1, 12-20	94
4	Complete genome sequence of Dyadobacter fermentans type strain (NS114). <i>Standards in Genomic Sciences</i> , <b>2009</b> , 1, 133-40	19
3	Complete genome sequence of Thermanaerovibrio acidaminovorans type strain (Su883). <i>Standards in Genomic Sciences</i> , <b>2009</b> , 1, 254-61	19
2	Complete genome sequence of Slackia heliotrinireducens type strain (RHS 1). <i>Standards in Genomic Sciences</i> , <b>2009</b> , 1, 234-41	16
1	Complete genome sequence of Desulfotomaculum acetoxidans type strain (5575). <i>Standards in Genomic Sciences</i> , <b>2009</b> , 1, 242-53	33