Karl Kornacker

List of Publications by Year
in descending order

15 papers	2,085 citations	759233 12 h-index	1058476 14 g-index
15 all docs	15 docs citations	15 times ranked	3348 citing authors

#	ARTICLE	IF	CITATIONS
1	JTK_CYCLE: An Efficient Nonparametric Algorithm for Detecting Rhythmic Components in Genome-Scale Data Sets. Journal of Biological Rhythms, 2010, 25, 372-380.	2.6	919
2	MetaCycle: an integrated R package to evaluate periodicity in large scale data. Bioinformatics, 2016, 32, 3351-3353.	4.1	413
3	Guidelines for Genome-Scale Analysis of Biological Rhythms. Journal of Biological Rhythms, 2017, 32, 380-393.	2.6	237
4	Chipping away at the chip bias: RNA degradation in microarray analysis. Nature Genetics, 2003, 35, 292-293.	21.4	185
5	Accurate quantification of DNA methylation using combined bisulfite restriction analysis coupled with the Agilent 2100 Bioanalyzer platform. Nucleic Acids Research, 2006, 34, e17-e17.	14.5	62
6	Accurate Expression Profiling of Very Small Cell Populations. PLoS ONE, 2010, 5, e14418.	2.5	60
7	Age-Associated Disruption of Molecular Clock Expression in Skeletal Muscle of the Spontaneously Hypertensive Rat. PLoS ONE, 2011, 6, e27168.	2.5	44
8	Quantification of DNA methylation in electrofluidics chips (Bio-COBRA). Nature Protocols, 2006, 1, 52-58.	12.0	39
9	Identification of a Unique Transgenic Mouse Line That Develops Megabladder, Obstructive Uropathy, and Renal Dysfunction. Journal of the American Society of Nephrology: JASN, 2007, 18, 461-471.	6.1	36
10	Expression Profiling Using Affymetrix GeneChip Microarrays. Methods in Molecular Biology, 2009, 509, 35-46.	0.9	30
11	Big results from small samples: evaluation of amplification protocols for gene expression profiling. Journal of Biomolecular Techniques, 2007, 18, 150-61.	1.5	22
12	Gene-resolution analysis of DNA copy number variation using oligonucleotide expression microarrays. BMC Genomics, 2007, 8, 111.	2.8	19
13	Transcriptional profiling of the megabladder mouse: A unique model of bladder dysmorphogenesis. Developmental Dynamics, 2008, 237, 170-186.	1.8	11
14	The Triform algorithm: improved sensitivity and specificity in ChIP-Seq peak finding. BMC Bioinformatics, 2012, 13, 176.	2.6	8
15	Discrete finite nilpotent Lie analogs: New models for unified gauge field theory. Journal of Mathematical Physics, 1978, 19, 1584-1586.	1.1	0