

# Toby Kenney

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4991328/publications.pdf>

Version: 2024-02-01

14  
papers

320  
citations

1684188

5  
h-index

1125743

13  
g-index

18  
all docs

18  
docs citations

18  
times ranked

483  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Discrepant gut microbiota markers for the classification of obesity-related metabolic abnormalities. <i>Scientific Reports</i> , 2019, 9, 13424.   | 3.3  | 235       |
| 2  | Learning Microbial Community Structures with Supervised and Unsupervised Non-negative Matrix Factorization. <i>Microbiome</i> , 2017, 5, 110.  | 11.1 | 29        |
| 3  | Improved inference of site-specific positive selection under a generalized parametric codon model when there are multinucleotide mutations and multiple nonsynonymous rates. <i>BMC Evolutionary Biology</i> , 2019, 19, 22. | 3.2  | 11        |
| 4  | Partial Generalized Additive Models: An Information-Theoretic Approach for Dealing With Concurvity and Selecting Variables. <i>Journal of Computational and Graphical Statistics</i> , 2010, 19, 531-551.                    | 1.7  | 8         |
| 5  | Association between metabolic status and gut microbiome in obese populations. <i>Microbial Genomics</i> , 2021, 7, .   | 2.0  | 8         |
| 6  | Coxeter groups, Coxeter monoids and the Bruhat order. <i>Journal of Algebraic Combinatorics</i> , 2014, 39, 719-731.   | 0.8  | 6         |
| 7  | Testing adequacy for DNA substitution models. <i>BMC Bioinformatics</i> , 2019, 20, 349.   | 2.6  | 6         |
| 8  | Combining Distance Matrices on Identical Taxon Sets for Multi-Gene Analysis with Singular Value Decomposition. <i>PLoS ONE</i> , 2014, 9, e94279.  | 2.5  | 5         |
| 9  | SuRF: A new method for sparse variable selection, with application in microbiome data analysis. <i>Statistics in Medicine</i> , 2021, 40, 897-919.   | 1.6  | 4         |
| 10 | The path relation for directed planar graphs in rectangles, and its relation to the free diad. <i>Discrete Mathematics</i> , 2011, 311, 441-456.   | 0.7  | 3         |
| 11 | Poisson PCA: Poisson measurement error corrected PCA, with application to microbiome data. <i>Biometrics</i> , 2021, 77, 1369-1384.  | 1.4  | 2         |
| 12 | Diads and their Application to Topoi. <i>Applied Categorical Structures</i> , 2009, 17, 567-590.   | 0.5  | 1         |
| 13 | The General Theory of Diads. <i>Applied Categorical Structures</i> , 2010, 18, 523-572.  | 0.5  | 1         |
| 14 | Application of OU processes to modelling temporal dynamics of the human microbiome, and calculating optimal sampling schemes. <i>BMC Bioinformatics</i> , 2020, 21, 450.   | 2.6  | 1         |