

# Joel R Gillespie

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4825378/publications.pdf>

Version: 2024-02-01

20  
papers

3,839  
citations

623188

14  
h-index

940134

16  
g-index

20  
all docs

20  
docs citations

20  
times ranked

6372  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | RNA folding on the 3D triangular lattice. BMC Bioinformatics, 2009, 10, 369.   | 1.2  | 14        |
| 2  | The Second Cu(II)-Binding Site in a Proton-Rich Environment Interferes with the Aggregation of Amyloid- $\beta^2$ (1 $\hat{\sim}$ 40) into Amyloid Fibrils. Biochemistry, 2009, 48, 10724-10732.   | 1.2  | 50        |
| 3  | uShuffle: A useful tool for shuffling biological sequences while preserving the k-let counts. BMC Bioinformatics, 2008, 9, 192.  | 1.2  | 139       |
| 4  | Engineering the Divide-and-Conquer Closest Pair Algorithm. Journal of Computer Science and Technology, 2007, 22, 532-540.  | 0.9  | 7         |
| 5  | Delta: A Toolset for the Structural Analysis of Biological Sequences on a 3D Triangular Lattice. , 2007, , 518-529.  |      | 3         |
| 6  | Closing the Folding Chamber of the Eukaryotic Chaperonin Requires the Transition State of ATP Hydrolysis. Cell, 2003, 113, 369-381.  | 13.5 | 195       |
| 7  | Structural and Functional Properties of Yersinia pestis Caf1 Capsular Antigen and Their Possible Role in Fulminant Development of Primary Pneumonic Plague. Journal of Proteome Research, 2002, 1, 307-315.                                      | 1.8  | 12        |
| 8  | Partially Folded Intermediates as Critical Precursors of Light Chain Amyloid Fibrils and Amorphous Aggregates. Biochemistry, 2001, 40, 3525-3535.  | 1.2  | 306       |
| 9  | Structural and Functional Similarity between Yersinia pestis Capsular Protein Caf1 and Human Interleukin-1 $\hat{2}$ . Biochemistry, 2001, 40, 6076-6084.  | 1.2  | 20        |
| 10 | Why are "natively unfolded" proteins unstructured under physiologic conditions?. Proteins: Structure, Function and Bioinformatics, 2000, 41, 415-427.  | 1.5  | 1,931     |
| 11 | Structure and function of $\hat{1}\pm$ -fetoprotein: a biophysical overview. BBA - Proteins and Proteomics, 2000, 1480, 41-56.   | 2.1  | 79        |
| 12 | Zn <sup>2+</sup> -Mediated Structure Formation and Compaction of the "Natively Unfolded" Human Prothymosin $\hat{1}\pm$ . Biochemical and Biophysical Research Communications, 2000, 267, 663-668.   | 1.0  | 72        |
| 13 | Why are "natively unfolded" proteins unstructured under physiologic conditions?. , 2000, 41, 415.  |      | 4         |
| 14 | Why are "natively unfolded" proteins unstructured under physiologic conditions?. , 2000, 41, 415.  |      | 18        |
| 15 | Monitoring the assembly of Ig light-chain amyloid fibrils by atomic force microscopy. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 13175-13179.  | 3.3  | 198       |
| 16 | Natively Unfolded Human Prothymosin $\hat{1}\pm$ Adopts Partially Folded Collapsed Conformation at Acidic pH. Biochemistry, 1999, 38, 15009-15016.   | 1.2  | 145       |
| 17 | Characterization of long-range structure in the denatured state of staphylococcal nuclease. II. distance restraints from paramagnetic relaxation and calculation of an ensemble of structures. Journal of Molecular Biology, 1997, 268, 170-184. | 2.0  | 281       |
| 18 | Characterization of long-range structure in the denatured state of staphylococcal nuclease. I. paramagnetic relaxation enhancement by nitroxide spin labels. Journal of Molecular Biology, 1997, 268, 158-169.                                   | 2.0  | 299       |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Protein folding for realists: A timeless phenomenon. Protein Science, 1996, 5, 991-1000. | 3.1 | 37        |
| 20 | Why are "natively unfolded" proteins unstructured under physiologic conditions?. , 0, .  |     | 29        |