

# Jefferson D Knight

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8238317/publications.pdf>

Version: 2024-02-01

24  
papers

1,429  
citations

516710

16  
h-index

642732

23  
g-index

25  
all docs

25  
docs citations

25  
times ranked

1730  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Perspectives on How 1.5 Years of the COVID-19 Pandemic Have Impacted Biophysicists at Primarily Undergraduate Institutions. <i>The Biophysicist</i> , 2022, , .  | 0.3 | 0         |
| 2  | Multivalent lipid targeting by the calcium-independent C2A domain of synaptotagmin-like protein 4/granuphilin. <i>Journal of Biological Chemistry</i> , 2021, 296, 100159.   | 3.4 | 8         |
| 3  | Tracking Information Literacy in Science Students: A Longitudinal Case Study of Skill Retention from General Chemistry to Biochemistry. <i>Journal of Chemical Education</i> , 2021, 98, 3749-3757.                              | 2.3 | 8         |
| 4  | A Paired Set of Biochemistry Writing Assignments Combining Core Threshold Concepts, Information Literacy, and Real-World Applications. <i>Journal of Chemical Education</i> , 2021, 98, 3758-3766.                               | 2.3 | 5         |
| 5  | Membrane-Binding Cooperativity and Coinsertion by C2AB Tandem Domains of Synaptotagmins 1 and 7. <i>Biophysical Journal</i> , 2019, 116, 1025-1036.  | 0.5 | 27        |
| 6  | The synaptotagmin C2B domain calcium-binding loops modulate the rate of fusion pore expansion. <i>Molecular Biology of the Cell</i> , 2018, 29, 834-845.   | 2.1 | 30        |
| 7  | The high-affinity calcium sensor synaptotagmin-7 serves multiple roles in regulated exocytosis. <i>Journal of General Physiology</i> , 2018, 150, 783-807.   | 1.9 | 48        |
| 8  | A simple supported tubulated bilayer system for evaluating protein-mediated membrane remodeling. <i>Chemistry and Physics of Lipids</i> , 2018, 215, 18-28.  | 3.2 | 6         |
| 9  | Lipid-Coated Gold Nanoparticles and FRET Allow Sensitive Monitoring of Liposome Clustering Mediated by the Synaptotagmin-7 C2A Domain. <i>Langmuir</i> , 2017, 33, 9222-9230.  | 3.5 | 15        |
| 10 | Membrane Docking of the Synaptotagmin 7 C2A Domain: Computation Reveals Interplay between Electrostatic and Hydrophobic Contributions. <i>Biochemistry</i> , 2015, 54, 5696-5711.  | 2.5 | 21        |
| 11 | Membrane Docking of the Synaptotagmin 7 C2A Domain: Electron Paramagnetic Resonance Measurements Show Contributions from Two Membrane Binding Loops. <i>Biochemistry</i> , 2015, 54, 5684-5695.                                  | 2.5 | 20        |
| 12 | Lateral Diffusion of Proteins on Supported Lipid Bilayers: Additive Friction of Synaptotagmin 7 C2A-C2B Tandem Domains. <i>Biochemistry</i> , 2014, 53, 7904-7913.   | 2.5 | 13        |
| 13 | The C2 domains of granuphilin are high-affinity sensors for plasma membrane lipids. <i>Chemistry and Physics of Lipids</i> , 2014, 182, 29-37.   | 3.2 | 17        |
| 14 | Single-Molecule Studies Reveal a Hidden Key Step in the Activation Mechanism of Membrane-Bound Protein Kinase C- $\beta$ . <i>Biochemistry</i> , 2014, 53, 1697-1713.  | 2.5 | 40        |
| 15 | Zar1 represses translation in <i>Xenopus</i> oocytes and binds to the TCS in maternal mRNAs with different characteristics than Zar2. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2013, 1829, 1034-1046. | 1.9 | 31        |
| 16 | Hydrophobic Contributions to the Membrane Docking of Synaptotagmin 7 C2A Domain: Mechanistic Contrast between Isoforms 1 and 7. <i>Biochemistry</i> , 2012, 51, 7654-7664.   | 2.5 | 32        |
| 17 | Assembly of Membrane-Bound Protein Complexes: Detection and Analysis by Single Molecule Diffusion. <i>Biochemistry</i> , 2012, 51, 1638-1647.  | 2.5 | 32        |
| 18 | Single Molecule Diffusion of Membrane-Bound Proteins: Window into Lipid Contacts and Bilayer Dynamics. <i>Biophysical Journal</i> , 2010, 99, 2879-2887.   | 0.5 | 161       |

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|----|--|-----|-----------|
| 19 | Single-Molecule Fluorescence Studies of a PH Domain: New Insights into the Membrane Docking Reaction. <i>Biophysical Journal</i> , 2009, 96, 566-582.  | 0.5 | 99        |
| 20 | Interaction of membrane-bound islet amyloid polypeptide with soluble and crystalline insulin. <i>Protein Science</i> , 2008, 17, 1850-1856.            | 7.6 | 73        |
| 21 | Conserved and Cooperative Assembly of Membrane-Bound $\alpha$ -Helical States of Islet Amyloid Polypeptide. <i>Biochemistry</i> , 2006, 45, 9496-9508. | 2.5 | 295       |
| 22 | Phospholipid Catalysis of Diabetic Amyloid Assembly. <i>Journal of Molecular Biology</i> , 2004, 341, 1175-1187.                                       | 4.2 | 328       |
| 23 | Stabilization of DNA utilizing divalent cations and alcohol. <i>International Journal of Pharmaceutics</i> , 2003, 264, 15-24.                         | 5.2 | 17        |
| 24 | Formation of a Copper Specific Binding Site in Non-Native States of $\beta$ 2-Microglobulin. <i>Biochemistry</i> , 2002, 41, 10646-10656.              | 2.5 | 103       |