# Amanda Buyan

List of Publications by Year
in descending order



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|---|---|---|---|
| 11 papers | 191 citations | 1478505 6 h-index | 1372567 10 g-index |
| 11 all docs | 11 docs citations | 11 times ranked | 334 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Computational studies of Piezo1 yield insights into key lipidâ€“protein interactions, channel activation, and agonist binding. Biophysical Reviews, 2022, 14, 209-219. | 3.2 | 3 |
| 2 | Initiating Coarse-Grained MD Simulations for Membrane-Bound Proteins. Methods in Molecular Biology, 2022, 2402, 131-141. | 0.9 | 0 |
| 3 | In pursuit of a selective hepatocellular carcinoma therapeutic agent: Novel thalidomide derivatives with antiproliferative, antimigratory and STAT3 inhibitory properties. European Journal of Medicinal Chemistry, 2021, 217, 113353. | 5.5 | 1 |
| 4 | Differences in local anaesthetic and antiepileptic binding in the inactivated state of human sodium channel Nav1.4. Biophysical Journal, 2021, 120, 5553-5563. | 0.5 | 4 |
| 5 | Piezo1 Forms Specific, Functionally Important Interactions with Phosphoinositides and Cholesterol. Biophysical Journal, 2020, 119, 1683-1697. | 0.5 | 60 |
| 6 | Protonation state of inhibitors determines interaction sites within voltage-gated sodium channels. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E3135-E3144. | 7.1 | 38 |
| 7 | Voltage-Gated Sodium Channel Pharmacology. Advances in Pharmacology, 2017, 79, 255-285. | 2.0 | 4 |
| 8 | Multiscale Simulations Suggest a Mechanism for the Association of the Dok7 PH Domain with PIP-Containing Membranes. PLoS Computational Biology, 2016, 12, e1005028. | 3.2 | 24 |
| 9 | Primary and Secondary Dimer Interfaces of the Fibroblast Growth Factor Receptor 3 Transmembrane Domain: Characterization via Multiscale Molecular Dynamics Simulations. Biochemistry, 2014, 53, 323-332. | 2.5 | 24 |
| 10 | Sidekick for Membrane Simulations: Automated Ensemble Molecular Dynamics Simulations of Transmembrane Helices. Journal of Chemical Theory and Computation, 2014, 10, 2165-2175. | 5.3 | 27 |
| 11 | ReplicOpter: A replicate optimizer for flexible docking. Proteins: Structure, Function and Bioinformatics, 2010, 78, 3156-3165. | 2.6 | 6 |