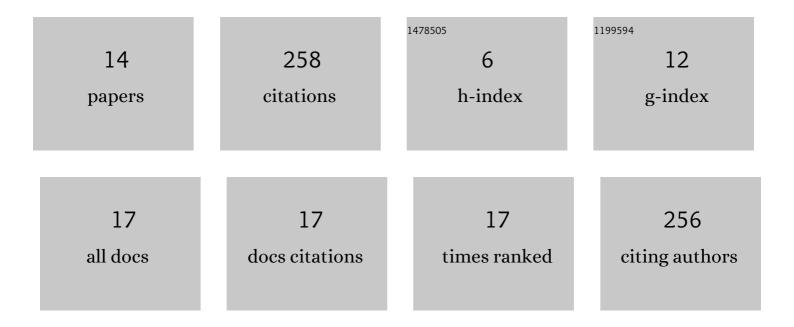
Zhuoyi Song

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/2390300/publications.pdf Version: 2024-02-01



| # | Article | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Binocular mirror–symmetric microsaccadic sampling enables <i>Drosophila</i> hyperacute 3D vision. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2109717119. | 7.1 | 8 |
| 2 | Multiscale â€~whole-cell' models to study neural information processing – New insights from fly photoreceptor studies. Journal of Neuroscience Methods, 2021, 357, 109156. | 2.5 | 2 |
| 3 | Ca ²⁺ -Activated K ⁺ Channels Reduce Network Excitability, Improving Adaptability and Energetics for Transmitting and Perceiving Sensory Information. Journal of Neuroscience, 2019, 39, 7132-7154. | 3.6 | 7 |
| 4 | How a fly photoreceptor samples light information in time. Journal of Physiology, 2017, 595, 5427-5437. | 2.9 | 18 |
| 5 | Modeling elucidates how refractory period can provide profound nonlinear gain control to graded potential neurons. Physiological Reports, 2017, 5, e13306. | 1.7 | 6 |
| 6 | A biomimetic fly photoreceptor model elucidates how stochastic adaptive quantal sampling provides a large dynamic range. Journal of Physiology, 2017, 595, 5439-5456. | 2.9 | 11 |
| 7 | Shining new light into the workings of photoreceptors and visual interneurons. Journal of Physiology, 2017, 595, 5425-5426. | 2.9 | 0 |
| 8 | Microsaccadic sampling of moving image information provides Drosophila hyperacute vision. ELife, 2017, 6, . | 6.0 | 55 |
| 9 | Random Photon Absorption Model Elucidates How Early Gain Control in Fly Photoreceptors Arises from Quantal Sampling. Frontiers in Computational Neuroscience, 2016, 10, 61. | 2.1 | 6 |
| 10 | Modelling the mechanoreceptor's dynamic behaviour. Journal of Anatomy, 2015, 227, 243-254. | 1.5 | 14 |
| 11 | Phototransduction Biophysics. , 2015, , 2359-2376. | | 6 |
| 12 | Refractory Sampling Links Efficiency and Costs of Sensory Encoding to Stimulus Statistics. Journal of Neuroscience, 2014, 34, 7216-7237. | 3.6 | 35 |
| 13 | Stochastic, Adaptive Sampling of Information by Microvilli in Fly Photoreceptors. Current Biology, 2012, 22, 1371-1380. | 3.9 | 79 |
| 14 | Biophysical Modeling of a Drosophila Photoreceptor. Lecture Notes in Computer Science, 2009, , 57-71. | 1.3 | 6 |