

# Radhakrishnan Gnanasambandam

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/360298/publications.pdf>

Version: 2024-02-01

8  
papers

569  
citations

1307594

7  
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1588992

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8  
all docs

8  
docs citations

8  
times ranked

851  
citing authors

| # | ARTICLE  | IF  | CITATIONS |
|---|--|-----|-----------|
| 1 | Xerocytosis is caused by mutations that alter the kinetics of the mechanosensitive channel PIEZO1. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E1162-8.                                  | 7.1 | 261       |
| 2 | Ionic Selectivity and Permeation Properties of Human PIEZO1 Channels. PLoS ONE, 2015, 10, e0125503.  | 2.5 | 125       |
| 3 | Mechanical stress activates NMDA receptors in the absence of agonists. Scientific Reports, 2017, 7, 39610.   | 3.3 | 68        |
| 4 | Adaptation Independent Modulation of Auditory Hair Cell Mechanotransduction Channel Open Probability Implicates a Role for the Lipid Bilayer. Journal of Neuroscience, 2016, 36, 2945-2956.  | 3.6 | 61        |
| 5 | Silencing of Kir2 channels by caveolin-1: cross-talk with cholesterol. Journal of Physiology, 2014, 592, 4025-4038.  | 2.9 | 25        |
| 6 | Effects of Lys to Glu mutations in GsMTx4 on membrane binding, peptide orientation, and self-association propensity, as analyzed by molecular dynamics simulations. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 2767-2778. | 2.6 | 14        |
| 7 | Increased Red Cell KCNN4 Activity in Sporadic Hereditary Xerocytosis Associated With Enhanced Single Channel Pressure Sensitivity of PIEZO1 Mutant V598M. HemaSphere, 2018, 2, e55.  | 2.7 | 10        |
| 8 | Functional analyses of heteromeric human PIEZO1 Channels. PLoS ONE, 2018, 13, e0207309.  | 2.5 | 5         |