

# Joon Lee

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9042481/publications.pdf>

Version: 2024-02-01

20  
papers

757  
citations

623734

14  
h-index

752698

20  
g-index

22  
all docs

22  
docs citations

22  
times ranked

1699  
citing authors

#	ARTICLE	IF	CITATIONS
1	Real-time visualization of clustering and intracellular transport of gold nanoparticles by correlative imaging. <i>Nature Communications</i> , 2017, 8, 15646.	12.8	163
2	Highly specific SNP detection using 2D graphene electronics and DNA strand displacement. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 7088-7093.	7.1	106
3	Amyloid $\beta$ Ion Channels in a Membrane Comprising Brain Total Lipid Extracts. <i>ACS Chemical Neuroscience</i> , 2017, 8, 1348-1357.	3.5	72
4	The diphenylpyrazole compound anle138b blocks $A\beta$ channels and rescues disease phenotypes in a mouse model for amyloid pathology. <i>EMBO Molecular Medicine</i> , 2018, 10, 32-47.	6.9	63
5	Branched Photoswitchable Tethered Ligands Enable Ultra-efficient Optical Control and Detection of G Protein-Coupled Receptors In Vivo. <i>Neuron</i> , 2020, 105, 446-463.e13.	8.1	58
6	Defining the Homo- and Heterodimerization Propensities of Metabotropic Glutamate Receptors. <i>Cell Reports</i> , 2020, 31, 107605.	6.4	39
7	Activity and Architecture of Pyroglutamate-Modified Amyloid- $\beta$ ( $A\beta^{pE3-42}$ ) Pores. <i>Journal of Physical Chemistry B</i> , 2014, 118, 7335-7344.	2.6	35
8	Role of the Fast Kinetics of Pyroglutamate-Modified Amyloid- $\beta$ Oligomers in Membrane Binding and Membrane Permeability. <i>Biochemistry</i> , 2014, 53, 4704-4714.	2.5	32
9	Nanofibre optic force transducers with sub-piconewton resolution via near-field plasmon dielectric interactions. <i>Nature Photonics</i> , 2017, 11, 352-355.	31.4	31
10	Interrogating surface versus intracellular transmembrane receptor populations using cell-impermeable SNAP-tag substrates. <i>Chemical Science</i> , 2020, 11, 7871-7883.	7.4	30
11	Magnetically-responsive silica-gold nanobowls for targeted delivery and SERS-based sensing. <i>Nanoscale</i> , 2016, 8, 11840-11850.	5.6	27
12	Array atomic force microscopy for real-time multiparametric analysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 5872-5877.	7.1	18
13	Differences in interactions between transmembrane domains tune the activation of metabotropic glutamate receptors. <i>ELife</i> , 2021, 10, .	6.0	18
14	Structural and compositional diversity in the kainate receptor family. <i>Cell Reports</i> , 2021, 37, 109891.	6.4	17
15	Graphite-Templated Amyloid Nanostructures Formed by a Potential Pentapeptide Inhibitor for Alzheimer's Disease: A Combined Study of Real-Time Atomic Force Microscopy and Molecular Dynamics Simulations. <i>Langmuir</i> , 2017, 33, 6647-6656.	3.5	16
16	Sulfonated red and far-red rhodamines to visualize SNAP- and Halo-tagged cell surface proteins. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 5967-5980.	2.8	12
17	Computational Methods for Structural and Functional Studies of Alzheimer's Amyloid Ion Channels. <i>Methods in Molecular Biology</i> , 2016, 1345, 251-268.	0.9	7
18	Unusual mode of dimerization of retinitis pigmentosa-associated F220C rhodopsin. <i>Scientific Reports</i> , 2021, 11, 10536.	3.3	7

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19	Gap controlled plasmon-dielectric coupling effects investigated with single nanoparticle-terminated atomic force microscope probes. <i>Nanoscale</i> , 2016, 8, 17102-17107.	5.6	5
20	Small molecule NPT-440-1 inhibits ionic flux through $\text{A}\beta_{1-42}$ pores: Implications for Alzheimer's disease therapeutics. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016, 12, 2331-2340.	3.3	1