# Byoung Dae Lee

List of Publications by Year
in descending order



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|---|---|---|---|
| 25 papers | 1,920 citations | 430874 18 h-index | 580821 25 g-index |
| 25 all docs | 25 docs citations | 25 times ranked | 2829 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Inhibitors of leucine-rich repeat kinase-2 protect against models of Parkinson's disease. Nature Medicine, 2010, 16, 998-1000. | 30.7 | 342 |
| 2 | Ribosomal Protein s15 Phosphorylation Mediates LRRK2 Neurodegeneration in Parkinsonâ€™s Disease. Cell, 2014, 157, 472-485. | 28.9 | 239 |
| 3 | Parkin loss leads to PARIS-dependent declines in mitochondrial mass and respiration. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 11696-11701. | 7.1 | 207 |
| 4 | Parthanatos mediates AIMP2-activated age-dependent dopaminergic neuronal loss. Nature Neuroscience, 2013, 16, 1392-1400. | 14.8 | 182 |
| 5 | GSK3 controls axon growth via CLASP-mediated regulation of growth cone microtubules. Genes and Development, 2011, 25, 1968-1981. | 5.9 | 134 |
| 6 | Chemoproteomics-Based Design of Potent LRRK2-Selective Lead Compounds That Attenuate Parkinsonâ€™s Disease-Related Toxicity in Human Neurons. ACS Chemical Biology, 2011, 6, 1021-1028. | 3.4 | 131 |
| 7 | Inhibitors of LRRK2 kinase attenuate neurodegeneration and Parkinson-like phenotypes in Caenorhabditis elegans and Drosophila Parkinson's disease models. Human Molecular Genetics, 2011, 20, 3933-3942. | 2.9 | 120 |
| 8 | Dysregulated phosphorylation of Rab GTPases by LRRK2 induces neurodegeneration. Molecular Neurodegeneration, 2018, 13, 8. | 10.8 | 87 |
| 9 | Robust kinase- and age-dependent dopaminergic and norepinephrine neurodegeneration in LRRK2 G2019S transgenic mice. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 1635-1640. | 7.1 | 70 |
| 10 | Leucine-rich repeat kinase 2 (LRRK2) as a potential therapeutic target in Parkinson's disease. Trends in Pharmacological Sciences, 2012, 33, 365-373. | 8.7 | 69 |
| 11 | Pathological Functions of LRRK2 in Parkinsonâ€™s Disease. Cells, 2020, 9, 2565. | 4.1 | 44 |
| 12 | Poly (ADP-ribose) in the pathogenesis of Parkinson's disease. BMB Reports, 2014, 47, 424-432. | 2.4 | 40 |
| 13 | Brain injury induces HIF-1Î±-dependent transcriptional activation of LRRK2 that exacerbates brain damage. Cell Death and Disease, 2018, 9, 1125. | 6.3 | 39 |
| 14 | Function and dysfunction of leucine-rich repeat kinase 2 (LRRK2): Parkinson's disease and beyond. BMB Reports, 2015, 48, 243-248. | 2.4 | 36 |
| 15 | Overexpression of Parkinsonâ€™s Disease-Associated Mutation LRRK2 G2019S in Mouse Forebrain Induces Behavioral Deficits and Î±-Synuclein Pathology. ENeuro, 2017, 4, ENEURO.0004-17.2017. | 1.9 | 31 |
| 16 | PARIS farnesylation prevents neurodegeneration in models of Parkinsonâ€™s disease. Science Translational Medicine, 2021, 13, . | 12.4 | 30 |
| 17 | High-Performance Conducting Polymer Nanotube-based Liquid-Ion Gated Field-Effect Transistor Aptasensor for Dopamine Exocytosis. Scientific Reports, 2020, 10, 3772. | 3.3 | 29 |
| 18 | LRRK2 and membrane trafficking: nexus of Parkinson's disease. BMB Reports, 2019, 52, 533-539. | 2.4 | 23 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Inflammatory signals induce the expression of tonicity-responsive enhancer binding protein (TonEBP) in microglia. Journal of Neuroimmunology, 2016, 295-296, 21-29. | 2.3 | 19 |
| 20 | LRRK2 at the Crossroad of Aging and Parkinsonâ€™s Disease. Genes, 2021, 12, 505. | 2.4 | 17 |
| 21 | Microtubule-Targeting Agents Enter the Central Nervous System (CNS): Double-edged Swords for Treating CNS Injury and Disease. International Neurourology Journal, 2014, 18, 171. | 1.2 | 13 |
| 22 | Decoding the temporal nature of brain GR activity in the NFÎºB signal transition leading to depressive-like behavior. Molecular Psychiatry, 2021, 26, 5087-5096. | 7.9 | 10 |
| 23 | Characterization of Parkinsonâ€™s disease-related pathogenic TMEM230 mutants. Animal Cells and Systems, 2018, 22, 140-147. | 2.2 | 4 |
| 24 | Improved dynamic monitoring of transcriptional activity during longitudinal analysis in the mouse brain. Biology Open, 2019, 8, . | 1.2 | 2 |
| 25 | Measuring the Activity of Leucine-Rich Repeat Kinase 2: A Kinase Involved in Parkinsonâ€™s Disease. Methods in Molecular Biology, 2012, 795, 45-54. | 0.9 | 2 |