# Sonia Gandhi

List of Publications by Year
in descending order



| 36 | 4,422 | 186265 28 | 330143 37 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 41 | 41 | 41 | 7618 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Dissecting the Phenotype and Genotype of <scp>PLA2G6</scp>â€Related Parkinsonism. Movement Disorders, 2022, 37, 148-161. | 3.9 | 32 |
| 2 | Omicron neutralising antibodies after third COVID-19 vaccine dose in patients with cancer. Lancet, The, 2022, 399, 905-907. | 13.7 | 60 |
| 3 | Immune responses following third COVID-19 vaccination are reduced in patients with hematological malignancies compared to patients with solid cancer. Cancer Cell, 2022, 40, 114-116. | 16.8 | 50 |
| 4 | The Future of Incretin-Based Approaches for Neurodegenerative Diseases in Older Adults: Which to Choose? A Review of their Potential Efficacy and Suitability. Drugs and Aging, 2021, 38, 355-373. | 2.7 | 8 |
| 5 | Pandemic peak SARS-CoV-2 infection and seroconversion rates in London frontline health-care workers. Lancet, The, 2020, 396, e6-e7. | 13.7 | 196 |
| 6 | Beta amyloid aggregates induce sensitised TLR4 signalling causing long-term potentiation deficit and ratÂneuronal cell death. Communications Biology, 2020, 3, 79. | 4.4 | 55 |
| 7 | Alpha synuclein aggregation drives ferroptosis: an interplay of iron, calcium and lipid peroxidation. Cell Death and Differentiation, 2020, 27, 2781-2796. | 11.2 | 142 |
| 8 | LRRK2 deficiency induced mitochondrial Ca2+ efflux inhibition can be rescued by Na+/Ca2+/Li+ exchanger upregulation. Cell Death and Disease, 2019, 10, 265. | 6.3 | 50 |
| 9 | Optical Structural Analysis of Individual Î±â€Synuclein Oligomers. Angewandte Chemie - International Edition, 2018, 57, 4886-4890. | 13.8 | 40 |
| 10 | Optical Structural Analysis of Individual Î±â€Synuclein Oligomers. Angewandte Chemie, 2018, 130, 4980-4984. | 2.0 | 0 |
| 11 | Mitochondrial dysfunction in Parkinsonian mesenchymal stem cells impairs differentiation. Redox Biology, 2018, 14, 474-484. | 9.0 | 104 |
| 12 | Nanoscopic Characterisation of Individual Endogenous Protein Aggregates in Human Neuronal Cells. ChemBioChem, 2018, 19, 2033-2038. | 2.6 | 52 |
| 13 | A single cell high content assay detects mitochondrial dysfunction in iPSC-derived neurons with mutations in SNCA. Scientific Reports, 2018, 8, 9033. | 3.3 | 50 |
| 14 | Î±-synuclein oligomers interact with ATP synthase and open the permeability transition pore in Parkinsonâ€™s disease. Nature Communications, 2018, 9, 2293. | 12.8 | 351 |
| 15 | Crucial role of protein oligomerization in the pathogenesis of Alzheimer's and Parkinson's diseases. FEBS Journal, 2018, 285, 3631-3644. | 4.7 | 98 |
| 16 | Progressive Motor Neuron Pathology and the Role of Astrocytes in a Human Stem Cell Model of VCP-Related ALS. Cell Reports, 2017, 19, 1739-1749. | 6.4 | 146 |
| 17 | Mutations in valosin-containing protein (VCP) decrease ADP/ATP translocation across the mitochondrial membrane and impair energy metabolism in human neurons. Journal of Biological Chemistry, 2017, 292, 8907-8917. | 3.4 | 27 |
| 18 | Mutations and mechanism: howPINK1may contribute to risk of sporadic Parkinsonâ€™s disease. Brain, 2017, 140, 2-5. | 7.6 | 12 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Inhibiting the Ca 2+ Influx Induced by Human CSF. Cell Reports, 2017, 21, 3310-3316. | 6.4 | 20 |
| 20 | Ultrasensitive Measurement of Ca<sup>2+</sup> Influx into Lipid Vesicles Induced by Protein Aggregates. Angewandte Chemie, 2017, 129, 7858-7862. | 2.0 | 9 |
| 21 | Ultrasensitive Measurement of Ca<sup>2+</sup> Influx into Lipid Vesicles Induced by Protein Aggregates. Angewandte Chemie - International Edition, 2017, 56, 7750-7754. | 13.8 | 72 |
| 22 | Nanobodies raised against monomeric É‘-synuclein inhibit fibril formation and destabilize toxic oligomeric species. BMC Biology, 2017, 15, 57. | 3.8 | 61 |
| 23 | Monomeric Alpha-Synuclein Exerts a Physiological Role on Brain ATP Synthase. Journal of Neuroscience, 2016, 36, 10510-10521. | 3.6 | 142 |
| 24 | Arachidonic acid mediates the formation of abundant alpha-helical multimers of alpha-synuclein. Scientific Reports, 2016, 6, 33928. | 3.3 | 49 |
| 25 | Single-Molecule Imaging of Individual Amyloid Protein Aggregates in Human Biofluids. ACS Chemical Neuroscience, 2016, 7, 399-406. | 3.5 | 99 |
| 26 | Calcium is a key factor in Î±-synuclein induced neurotoxicity. Journal of Cell Science, 2016, 129, 1792-801. | 2.0 | 136 |
| 27 | Kinetic model of the aggregation of alpha-synuclein provides insights into prion-like spreading. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E1206-15. | 7.1 | 181 |
| 28 | Alpha-Synuclein Oligomers Interact with Metal Ions to Induce Oxidative Stress and Neuronal Death in Parkinson's Disease. Antioxidants and Redox Signaling, 2016, 24, 376-391. | 5.4 | 266 |
| 29 | Enhancing nucleotide metabolism protects against mitochondrial dysfunction and neurodegeneration in a PINK1 model of Parkinsonâ€™s disease. Nature Cell Biology, 2014, 16, 157-166. | 10.3 | 119 |
| 30 | A Novel Prion Disease Associated with Diarrhea and Autonomic Neuropathy. New England Journal of Medicine, 2013, 369, 1904-1914. | 27.0 | 113 |
| 31 | Dopamine Induced Neurodegeneration in a PINK1 Model of Parkinson's Disease. PLoS ONE, 2012, 7, e37564. | 2.5 | 66 |
| 32 | Mechanism of Oxidative Stress in Neurodegeneration. Oxidative Medicine and Cellular Longevity, 2012, 2012, 1-11. | 4.0 | 680 |
| 33 | PINK1-Associated Parkinson's Disease Is Caused by Neuronal Vulnerability to Calcium-Induced Cell Death. Molecular Cell, 2009, 33, 627-638. | 9.7 | 584 |
| 34 | Altered cleavage and localization of PINK1 to aggresomes in the presence of proteasomal stress. Journal of Neurochemistry, 2006, 98, 156-169. | 3.9 | 146 |
| 35 | Molecular pathogenesis of Parkinson's disease. Human Molecular Genetics, 2005, 14, 2749-2755. | 2.9 | 187 |
| 36 | Molecular pathogenesis of Parkinson's disease. Human Molecular Genetics, 2005, 14 Spec No. 2, 2749-2755. | 2.9 | 12 |