# Shu G Chen

List of Publications by Year
in descending order

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Version: 2024-02-01

| 89 | 8,734 | 53794 45 | 58581 82 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 92 | 92 | 92 | 6752 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Potential longâ€term effect of tumor necrosis factor inhibitors on dementia risk: A propensity score matched retrospective cohort study in US veterans. Alzheimer's and Dementia, 2022, 18, 1248-1259. | 0.8 | 7 |
| 2 | Skin Î±-Synuclein Aggregation Seeding Activity as a Novel Biomarker for Parkinson Disease. JAMA Neurology, 2021, 78, 30. | 9.0 | 125 |
| 3 | Streamlined alpha-synuclein RT-QuIC assay for various biospecimens in Parkinsonâ€™s disease and dementia with Lewy bodies. Acta Neuropathologica Communications, 2021, 9, 62. | 5.2 | 79 |
| 4 | Gutâ€“microbiotaâ€“microgliaâ€“brain interactions in Alzheimerâ€™s disease: knowledge-based, multi-dimensional characterization. Alzheimer's Research and Therapy, 2021, 13, 177. | 6.2 | 15 |
| 5 | Diagnostic value of skin RT-QuIC in Parkinsonâ€™s disease: a two-laboratory study. Npj Parkinson's Disease, 2021, 7, 99. | 5.3 | 41 |
| 6 | Vitamin B12 modulates Parkinsonâ€™s disease LRRK2 kinase activity through allosteric regulation and confers neuroprotection. Cell Research, 2019, 29, 313-329. | 12.0 | 42 |
| 7 | Rab10 Phosphorylation is a Prominent Pathological Feature in Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2018, 63, 157-165. | 2.6 | 29 |
| 8 | Motor and non-motor features of Parkinson's disease in LRRK2 G2019S carriers versus matched controls. Journal of the Neurological Sciences, 2018, 388, 203-207. | 0.6 | 13 |
| 9 | Novel strain properties distinguishing sporadic prion diseases sharing prion protein genotype and prion type. Scientific Reports, 2017, 7, 38280. | 3.3 | 18 |
| 10 | Exposure to the Functional Bacterial Amyloid Protein Curli Enhances Alpha-Synuclein Aggregation in Aged Fischer 344 Rats and Caenorhabditis elegans. Scientific Reports, 2016, 6, 34477. | 3.3 | 319 |
| 11 | Regulation of DJ-1 by Glutaredoxin 1 in Vivo: Implications for Parkinsonâ€™s Disease. Biochemistry, 2016, 55, 4519-4532. | 2.5 | 29 |
| 12 | Prion protein functions as a ferrireductase partner for ZIP14 and DMT1. Free Radical Biology and Medicine, 2015, 84, 322-330. | 2.9 | 67 |
| 13 | Glutaredoxin deficiency exacerbates neurodegeneration in C. elegans models of Parkinson's disease. Human Molecular Genetics, 2015, 24, 1322-1335. | 2.9 | 38 |
| 14 | The roles of redox enzymes in Parkinson's disease: Focus on glutaredoxin. Therapeutic Targets for Neurological Diseases, 2015, 2, . | 2.2 | 9 |
| 15 | pH-dependent kinetics of copper ions binding to amyloid-Î² peptide. Journal of Inorganic Biochemistry, 2013, 119, 21-27. | 3.5 | 17 |
| 16 | Kinase inhibitors arrest neurodegeneration in cell and C. elegans models of LRRK2 toxicity. Human Molecular Genetics, 2013, 22, 328-344. | 2.9 | 70 |
| 17 | LRRK2 regulates mitochondrial dynamics and function through direct interaction with DLP1. Human Molecular Genetics, 2012, 21, 1931-1944. | 2.9 | 356 |
| 18 | LRRK2 Directly Interacts with DLP1 to Regulate Mitochondrial Dynamics and Function. Microscopy and Microanalysis, 2012, 18, 196-197. | 0.4 | 0 |

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|---|---|---|---|
| 19 | Assessing Prion Infectivity of Human Urine in Sporadic Creutzfeldt-Jakob Disease. Emerging Infectious Diseases, 2012, 18, 21-28. | 4.3 | 22 |
| 20 | CD3 in Lewy pathology: does the abnormal recall of neurodevelopmental processes underlie Parkinsonâ€™s disease. Journal of Neural Transmission, 2011, 118, 23-26. | 2.8 | 13 |
| 21 | Selection and characterization of DNA aptamers against PrP<sup>Sc</sup>. Experimental Biology and Medicine, 2011, 236, 466-476. | 2.4 | 20 |
| 22 | LRRK2-mediated neurodegeneration and dysfunction of dopaminergic neurons in a Caenorhabditis elegans model of Parkinson's disease. Neurobiology of Disease, 2010, 40, 73-81. | 4.4 | 128 |
| 23 | Divalent metal transporter, iron, and Parkinson's disease: A pathological relationship. Cell Research, 2010, 20, 397-399. | 12.0 | 13 |
| 24 | Paradoxical Role of Prion Protein Aggregates in Redox-Iron Induced Toxicity. PLoS ONE, 2010, 5, e11420. | 2.5 | 18 |
| 25 | Characterization of the Prion Protein in Human Urine. Journal of Biological Chemistry, 2010, 285, 30489-30495. | 3.4 | 14 |
| 26 | Penicillin Sulfone Inhibitors of Class D Î²-Lactamases. Antimicrobial Agents and Chemotherapy, 2010, 54, 1414-1424. | 3.2 | 42 |
| 27 | Cryptic Peptides of the Kringle Domains Preferentially Bind to Disease-Associated Prion Protein. Journal of Alzheimer's Disease, 2009, 16, 421-431. | 2.6 | 8 |
| 28 | Neuronal mitochondrial amelioration by feeding acetylâ€Lâ€carnitine and lipoic acid to aged rats. Journal of Cellular and Molecular Medicine, 2009, 13, 320-333. | 3.6 | 105 |
| 29 | Leucineâ€rich repeat kinase 2 (LRRK2): A key player in the pathogenesis of Parkinson's disease. Journal of Neuroscience Research, 2009, 87, 1283-1295. | 2.9 | 109 |
| 30 | Ectopic localization of FOXO3a protein in Lewy bodies in Lewy body dementia and Parkinson's disease. Molecular Neurodegeneration, 2009, 4, 32. | 10.8 | 34 |
| 31 | The Roc domain of leucineâ€rich repeat kinase 2 is sufficient for interaction with microtubules. Journal of Neuroscience Research, 2008, 86, 1711-1720. | 2.9 | 155 |
| 32 | Leucine-Rich Repeat Kinase 2 Colocalizes with Î±-Synuclein in Parkinsonâ€™s Disease, but Not Tau-Containing Deposits in Tauopathies. Neurodegenerative Diseases, 2008, 5, 222-224. | 1.4 | 29 |
| 33 | FadA from Fusobacterium nucleatum Utilizes both Secreted and Nonsecreted Forms for Functional Oligomerization for Attachment and Invasion of Host Cells. Journal of Biological Chemistry, 2007, 282, 25000-25009. | 3.4 | 139 |
| 34 | Inducible overexpression of wild-type prion protein in the muscles leads to a primary myopathy in transgenic mice. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 6800-6805. | 7.1 | 35 |
| 35 | The Parkinsonâ€™s disease-associated protein, leucine-rich repeat kinase 2 (LRRK2), is an authentic GTPase thatstimulates kinase activity. Experimental Cell Research, 2007, 313, 3658-3670. | 2.6 | 192 |
| 36 | Leucine-rich repeat kinase 2: Relevance to Parkinson's disease. International Journal of Biochemistry and Cell Biology, 2006, 38, 1469-1475. | 2.8 | 44 |

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|---|---|---|---|
| 37 | Advances in Prion Disease Surveillance. Advances in Clinical Chemistry, 2006, 41, 263-292. | 3.7 | 0 |
| 38 | Gerstmann-StrÃussler-Scheinker. Journal of Neuropathology and Experimental Neurology, 2006, 65, 642-651. | 1.7 | 33 |
| 39 | DNA Aptamers That Bind to PrP<sup>C</sup> and Not Prp<sup>Sc</sup> Show Sequence and Structure Specificity. Experimental Biology and Medicine, 2006, 231, 204-214. | 2.4 | 89 |
| 40 | LRRK2 in Parkinson's disease and dementia with Lewy bodies. Molecular Neurodegeneration, 2006, 1, 17. | 10.8 | 40 |
| 41 | Overexpression of GRK2 in alzheimer disease and in a chronic hypoperfusion rat model is an early marker of brain mitochondrial lesions. Neurotoxicity Research, 2006, 10, 43-56. | 2.7 | 76 |
| 42 | LRRK2 protein is a component of lewy bodies. Annals of Neurology, 2006, 60, 617-618. | 5.3 | 57 |
| 43 | Fusion of Doppel to Octapeptide Repeat and Nâ€Terminal Half of Hydrophobic Region of Prion Protein Confers Resistance to Serum Deprivation. Microbiology and Immunology, 2006, 50, 203-209. | 1.4 | 20 |
| 44 | Chronic Wasting Disease of Elk and Deer and Creutzfeldt-Jakob Disease. Journal of Biological Chemistry, 2006, 281, 4199-4206. | 3.4 | 37 |
| 45 | Sensitive Detection of Prion Protein in Human Urine. Experimental Biology and Medicine, 2005, 230, 343-349. | 2.4 | 13 |
| 46 | Chronic Wasting Disease of Elk: Transmissibility to Humans Examined by Transgenic Mouse Models. Journal of Neuroscience, 2005, 25, 7944-7949. | 3.6 | 235 |
| 47 | Creutzfeldt-Jakob Disease (CJD) with a Mutation at Codon 148 of Prion Protein Gene. American Journal of Pathology, 2005, 167, 1729-1738. | 3.8 | 34 |
| 48 | Mitochondria DNA deletions in atherosclerotic hypoperfused brain microvessels as a primary target for the development of Alzheimer's disease. Journal of the Neurological Sciences, 2005, 229-230, 285-292. | 0.6 | 55 |
| 49 | Sensitivity of 14-3-3 protein test varies in subtypes of sporadic Creutzfeldt-Jakob disease. Neurology, 2004, 63, 436-442. | 1.1 | 119 |
| 50 | Protease-Resistant Human Prion Protein and Ferritin Are Cotransported across Caco-2 Epithelial Cells: Implications for Species Barrier in Prion Uptake from the Intestine. Journal of Neuroscience, 2004, 24, 11280-11290. | 3.6 | 96 |
| 51 | Is nitric oxide a key target in the pathogenesis of brain lesions during the development of Alzheimer's disease?. Neurological Research, 2004, 26, 547-553. | 1.3 | 28 |
| 52 | Antibody to DNA detects scrapie but not normal prion protein. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 1380-1385. | 7.1 | 103 |
| 53 | Copper Mediates Dityrosine Cross-Linking of Alzheimer's Amyloid-Î². Biochemistry, 2004, 43, 560-568. | 2.5 | 362 |
| 54 | Characterization of Prion Proteins. , 2003, 217, 305-314. | | 7 |

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|---|---|---|---|
| 55 | Hereditary Creutzfeldt-Jakob disease and fatal familial insomnia. Clinics in Laboratory Medicine, 2003, 23, 43-64. | 1.4 | 57 |
| 56 | Sporadic and familial CJD: classification and characterisation. British Medical Bulletin, 2003, 66, 213-239. | 6.9 | 449 |
| 57 | Identification of Novel Proteinase K-resistant C-terminal Fragments of PrP in Creutzfeldt-Jakob Disease. Journal of Biological Chemistry, 2003, 278, 40429-40436. | 3.4 | 129 |
| 58 | Insomnia associated with thalamic involvement in E200K Creutzfeldtâ€“Jakob disease. Neurology, 2002, 58, 362-367. | 1.1 | 50 |
| 59 | Alteration of Substrate Selectivity through Mutation of Two Arginine Residues in the Binding Site of Amadoriase II from Aspergillus sp.. Biochemistry, 2002, 41, 4453-4458. | 2.5 | 22 |
| 60 | A Journey through the Species Barrier. Neuron, 2002, 34, 854-856. | 8.1 | 16 |
| 61 | Induction of HO-1 and NOS in Doppel-Expressing Mice Devoid of PrP: Implications for Doppel Function. Molecular and Cellular Neurosciences, 2001, 17, 768-775. | 2.2 | 62 |
| 62 | Mechanisms of phenotypic heterogeneity in prion, Alzheimer and other conformational diseases. Journal of Alzheimer's Disease, 2001, 3, 87-95. | 2.6 | 6 |
| 63 | Molecular profiling of paired helical filaments. Journal of Alzheimer's Disease, 2001, 3, 467-469. | 2.6 | 0 |
| 64 | Aberrant metal binding by prion protein in human prion disease. Journal of Neurochemistry, 2001, 78, 1400-1408. | 3.9 | 178 |
| 65 | Absence of protease-resistant prion protein in the cerebrospinal fluid of Creutzfeldt-Jakob disease. Journal of Pathology, 2001, 194, 9-14. | 4.5 | 36 |
| 66 | Novel Differences between Two Human Prion Strains Revealed by Two-dimensional Gel Electrophoresis. Journal of Biological Chemistry, 2001, 276, 37284-37288. | 3.4 | 53 |
| 67 | Genetic influence on the structural variations of the abnormal prion protein. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 10168-10172. | 7.1 | 285 |
| 68 | Aggregation and Fibrillization of the Recombinant Human Prion Protein huPrP90â^'231. Biochemistry, 2000, 39, 424-431. | 2.5 | 216 |
| 69 | Expression and Structural Characterization of the Recombinant Human Doppel Protein,. Biochemistry, 2000, 39, 13575-13583. | 2.5 | 38 |
| 70 | Cloning of Amadoriase I Isoenzyme fromAspergillussp.:Â Evidence of FAD Covalently Linked to Cys342â€,â€¡. Biochemistry, 2000, 39, 1515-1521. | 2.5 | 45 |
| 71 | PrPSc typing by N-terminal sequencing and mass spectrometry. , 2000, , 209-216. | | 7 |
| 72 | Tau gene mutation in familial progressive subcortical gliosis. Nature Medicine, 1999, 5, 454-457. | 30.7 | 189 |

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|---|---|---|---|
| 73 | Opposite roles of apolipoprotein E in normal brains and in Alzheimerâ€™s disease. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 15598-15602. | 7.1 | 90 |
| 74 | Different patterns of truncated prion protein fragments correlate with distinct phenotypes in P102L Gerstmann-Straussler-Scheinker disease. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 8322-8327. | 7.1 | 206 |
| 75 | Molecular Pathology of Fatal Familial Insomnia. Brain Pathology, 1998, 8, 539-548. | 4.1 | 98 |
| 76 | Mechanisms of Phenotypic Heterogeneity in Human Prion Diseases. , 1998, , 37-41. | | 0 |
| 77 | Prion Protein Aggregation Reverted by Low Temperature in Transfected Cells Carrying a Prion Protein Gene Mutation. Journal of Biological Chemistry, 1997, 272, 28461-28470. | 3.4 | 86 |
| 78 | Allelic origin of the abnormal prion protein isoform in familial prion diseases. Nature Medicine, 1997, 3, 1009-1015. | 30.7 | 88 |
| 79 | Typing prion isoforms. Nature, 1997, 386, 232-233. | 27.8 | 268 |
| 80 | Molecular assessment of the potential transmissibilities of BSE and scrapie to humans. Nature, 1997, 388, 285-288. | 27.8 | 259 |
| 81 | Molecular basis of phenotypic variability in sporadc creudeldtâ€jakob disease. Annals of Neurology, 1996, 39, 767-778. | 5.3 | 819 |
| 82 | Fatal Familial Insomnia and Familial Creutzfeldtâ€Jakob Disease: Clinical, Pathological and Molecular Features. Brain Pathology, 1995, 5, 43-51. | 4.1 | 192 |
| 83 | Regional distribution of protease-resistant prion protein in fatal familial insomnia. Annals of Neurology, 1995, 38, 21-29. | 5.3 | 165 |
| 84 | Truncated Forms of the Human Prion Protein in Normal Brain and in Prion Diseases. Journal of Biological Chemistry, 1995, 270, 19173-19180. | 3.4 | 455 |
| 85 | Synergistic activation by cis-fatty acid and diacylglycerol of protein kinase C and protein phosphorylation in hippocampal slices. Neuroscience, 1995, 68, 1017-1026. | 2.3 | 3 |
| 86 | PROTEASE-RESISTANT PRION PROTEIN IN SPORADIC CREUTZFELDT-JAKOB DISEASE (CJD). Journal of Neuropathology and Experimental Neurology, 1995, 54, 416. | 1.7 | 3 |
| 87 | Fatal familial insomnia and familial Creutzfeldt-Jakob disease: different prion proteins determined by a DNA polymorphism.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 2839-2842. | 7.1 | 308 |
| 88 | Inhibition of brain protein kinase C subtypes by lead. Journal of Pharmacology and Experimental Therapeutics, 1993, 264, 757-61. | 2.5 | 53 |
| 89 | The Roles of Redox Enzymes in Parkinsonâ€™s Disease: Focus on Glutaredoxin. Therapeutic Targets for Neurological Diseases, 0, , . | 2.2 | 5 |