# Amala Soumyanath

List of Publications by Year
in descending order



| 29 | 1,142 | 471509 17 | 526287 27 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 29 | 29 | 29 | 975 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Centella asiatica: phytochemistry and mechanisms of neuroprotection and cognitive enhancement. Phytochemistry Reviews, 2018, 17, 161-194. | 6.5 | 144 |
| 2 | Centella asiatica accelerates nerve regeneration upon oral administration and contains multiple active fractions increasing neurite elongation in-vitroâ€. Journal of Pharmacy and Pharmacology, 2010, 57, 1221-1229. | 2.4 | 121 |
| 3 | Caffeoylquinic acids: chemistry, biosynthesis, occurrence, analytical challenges, and bioactivity. Plant Journal, 2021, 107, 1299-1319. | 5.7 | 87 |
| 4 | Centella asiatica modulates antioxidant and mitochondrial pathways and improves cognitive function in mice. Journal of Ethnopharmacology, 2016, 180, 78-86. | 4.1 | 84 |
| 5 | Caffeoylquinic Acids in Centella asiatica Protect against Amyloid-Î² Toxicity. Journal of Alzheimer's Disease, 2014, 40, 359-373. | 2.6 | 78 |
| 6 | Centella asiaticaExtract Improves Behavioral Deficits in a Mouse Model of Alzheimer's Disease: Investigation of a Possible Mechanism of Action. International Journal of Alzheimer's Disease, 2012, 2012, 1-9. | 2.0 | 77 |
| 7 | Centella asiatica Attenuates Amyloid-Î²-Induced Oxidative Stress and Mitochondrial Dysfunction. Journal of Alzheimer's Disease, 2015, 45, 933-946. | 2.6 | 67 |
| 8 | Centella asiatica attenuates hippocampal mitochondrial dysfunction and improves memory and executive function in Î²-amyloid overexpressing mice. Molecular and Cellular Neurosciences, 2018, 93, 1-9. | 2.2 | 53 |
| 9 | Centella asiatica increases hippocampal synaptic density and improves memory and executive function in aged mice. Brain and Behavior, 2018, 8, e01024. | 2.2 | 48 |
| 10 | Centella Asiatica Improves Memory and Promotes Antioxidative Signaling in 5XFAD Mice. Antioxidants, 2019, 8, 630. | 5.1 | 47 |
| 11 | Curcumin Treatment Improves Motor Behavior in Î±-Synuclein Transgenic Mice. PLoS ONE, 2015, 10, e0128510. | 2.5 | 44 |
| 12 | Amides from Piper nigrum L. with dissimilar effects on melanocyte proliferation in-vitro. Journal of Pharmacy and Pharmacology, 2010, 59, 529-536. | 2.4 | 38 |
| 13 | Centella asiatica attenuates AÎ²-induced neurodegenerative spine loss and dendritic simplification. Neuroscience Letters, 2017, 646, 24-29. | 2.1 | 34 |
| 14 | Centella asiatica Attenuates Mitochondrial Dysfunction and Oxidative Stress in AÎ²-Exposed Hippocampal Neurons. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-8. | 4.0 | 34 |
| 15 | Caffeoylquinic Acids in Centella asiatica Reverse Cognitive Deficits in Male 5XFAD Alzheimerâ€™s Disease Model Mice. Nutrients, 2020, 12, 3488. | 4.1 | 34 |
| 16 | Integration of mass spectral fingerprinting analysis with precursor ion (MS1) quantification for the characterisation of botanical extracts: application to extracts of <scp>Centella asiatica</scp> (L.) Urban. Phytochemical Analysis, 2020, 31, 722-738. | 2.4 | 28 |
| 17 | UV Irradiation Affects Melanocyte Stimulatory Activity and Protein Binding of Piperine. Photochemistry and Photobiology, 2006, 82, 1541-1548. | 2.5 | 20 |
| 18 | Loss of NRF2 accelerates cognitive decline, exacerbates mitochondrial dysfunction, and is required for the cognitive enhancing effects of Centella asiatica during aging. Neurobiology of Aging, 2021, 100, 48-58. | 3.1 | 17 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Prolonged Treatment with Centella asiatica Improves Memory, Reduces Amyloid-Î² Pathology, and Activates NRF2-Regulated Antioxidant Response Pathway in 5xFAD Mice. Journal of Alzheimer's Disease, 2021, 81, 1453-1468. | 2.6 | 17 |
| 20 | Centella asiatica triterpenes for diabetic neuropathy: a randomized, double-blind, placebo-controlled, pilot clinical study. Esperienze Dermatologiche, 2018, 20, 12-22. | 0.0 | 13 |
| 21 | Analysis of Levodopa Content in Commercial Mucuna pruriens Products Using High-Performance Liquid Chromatography with Fluorescence Detection. Journal of Alternative and Complementary Medicine, 2018, 24, 182-186. | 2.1 | 12 |
| 22 | Centella asiatica Alters Metabolic Pathways Associated With Alzheimerâ€™s Disease in the 5xFAD Mouse Model of ÃŸ-Amyloid Accumulation. Frontiers in Pharmacology, 2021, 12, 788312. | 3.5 | 12 |
| 23 | The Impact of the hAPP695SW Transgene and Associated Amyloid-Î² Accumulation on Murine Hippocampal Biochemical Pathways. Journal of Alzheimer's Disease, 2022, 85, 1601-1619. | 2.6 | 12 |
| 24 | Pharmacokinetics and Pharmacodynamics of Key Components of a Standardized Centella asiatica Product in Cognitively Impaired Older Adults: A Phase 1, Double-Blind, Randomized Clinical Trial. Antioxidants, 2022, 11, 215. | 5.1 | 10 |
| 25 | Withania somnifera and Centella asiatica Extracts Ameliorate Behavioral Deficits in an In Vivo Drosophila melanogaster Model of Oxidative Stress. Antioxidants, 2022, 11, 121. | 5.1 | 5 |
| 26 | Centella asiatica Water Extract Shows Low Potential for Cytochrome P450â€“Mediated Drug Interactions. Drug Metabolism and Disposition, 2020, 48, 1053-1063. | 3.3 | 4 |
| 27 | Developing a Rational, Optimized Product of Centella asiatica for Examination in Clinical Trials: Real World Challenges. Frontiers in Nutrition, 2021, 8, 799137. | 3.7 | 2 |
| 28 | Monitoring human melanocytic cell responses to piperine using multispectral imaging. , 2011, , . | | 0 |
| 29 | UV irradiation affects melanocyte stimulatory activity and protein binding of piperine. Photochemistry and Photobiology, 2006, 82, 1541-8. | 2.5 | 0 |