

# Fei Yin

## List of Publications by Year in Descending Order

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**Version:** 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

54  
papers

1,869  
citations

23  
h-index

43  
g-index

62  
ext. papers

2,480  
ext. citations

6.5  
avg, IF

5.16  
L-index

| #  | Paper   | IF   | Citations |
|----|---|------|-----------|
| 54 | A tale of two systems: Lessons learned from female mid-life aging with implications for Alzheimer's prevention & treatment.. <i>Ageing Research Reviews</i> , <b>2021</b> , 74, 101542  | 12   | 1         |
| 53 | Geniposide improves insulin resistance through AMPK-mediated Txnip protein degradation in 3T3-L1 adipocytes. <i>Acta Biochimica Et Biophysica Sinica</i> , <b>2021</b> , 53, 160-169  | 2.8  | 3         |
| 52 | Methionine restriction alleviates age-associated cognitive decline via fibroblast growth factor 21. <i>Redox Biology</i> , <b>2021</b> , 41, 101940   | 11.3 | 7         |
| 51 | High-fiber diet mitigates maternal obesity-induced cognitive and social dysfunction in the offspring via gut-brain axis. <i>Cell Metabolism</i> , <b>2021</b> , 33, 923-938.e6  | 24.6 | 25        |
| 50 | Blueberry-derived exosomes-like nanoparticles ameliorate nonalcoholic fatty liver disease by attenuating mitochondrial oxidative stress. <i>Acta Pharmacologica Sinica</i> , <b>2021</b> ,  | 8    | 5         |
| 49 | Characterizing brain metabolic function ex vivo with acute mouse slice punches. <i>STAR Protocols</i> , <b>2021</b> , 2, 100559   | 1.4  | 2         |
| 48 | Mitochondria-Targeted Therapeutics for Alzheimer's Disease: The Good, the Bad, the Potential. <i>Antioxidants and Redox Signaling</i> , <b>2021</b> , 34, 611-630   | 8.4  | 6         |
| 47 | ApoE4 Impairs Neuron-Astrocyte Coupling of Fatty Acid Metabolism. <i>Cell Reports</i> , <b>2021</b> , 34, 108572  | 10.6 | 33        |
| 46 | Free fatty acids induce the demethylation of the fructose 1,6-biphosphatase 2 gene promoter and potentiate its expression in hepatocytes. <i>Food and Function</i> , <b>2021</b> , 12, 4165-4175  | 6.1  |           |
| 45 | APOE4 impairs neuron-astrocyte coupling of fatty acid metabolism. <i>Alzheimer's and Dementia</i> , <b>2020</b> , 16, e045251   | 1.2  | 1         |
| 44 | Geniposide Balances the Redox Signaling to Mediate Glucose-Stimulated Insulin Secretion in Pancreatic $\beta$ Cells. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , <b>2020</b> , 13, 509-520   | 3.4  | 2         |
| 43 | Gut microbiota mediates intermittent-fasting alleviation of diabetes-induced cognitive impairment. <i>Nature Communications</i> , <b>2020</b> , 11, 855   | 17.4 | 101       |
| 42 | Midlife Chronological and Endocrinological Transitions in Brain Metabolism: System Biology Basis for Increased Alzheimer's Risk in Female Brain. <i>Scientific Reports</i> , <b>2020</b> , 10, 8528   | 4.9  | 8         |
| 41 | Retrospective analysis of phytoSERM for management of menopause-associated vasomotor symptoms and cognitive decline: a pilot study on pharmacogenomic effects of mitochondrial haplogroup and APOE genotype on therapeutic efficacy. <i>Menopause</i> , <b>2020</b> , 27, 57-65 | 2.5  | 5         |
| 40 | Trilobatin ameliorates insulin resistance through IRS-AKT-GLUT4 signaling pathway in C2C12 myotubes and ob/ob mice. <i>Chinese Medicine</i> , <b>2020</b> , 15, 110   | 4.7  | 6         |
| 39 | Dynamic Neuroimmune Profile during Mid-life Aging in the Female Brain and Implications for Alzheimer Risk. <i>iScience</i> , <b>2020</b> , 23, 101829   | 6.1  | 4         |
| 38 | Geniposide inhibits glucolipototoxicity and cooperates with Txnip knockdown to potentiate cell adaption to endoplasmic reticulum stress in pancreatic beta cells. <i>Cell Biology International</i> , <b>2020</b> , 44, 1535-1543   | 4.5  |           |

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|----|--|-----|-----|
| 37 | Trilobatin, a Novel SGLT1/2 Inhibitor, Selectively Induces the Proliferation of Human Hepatoblastoma Cells. <i>Molecules</i> , <b>2019</b> , 24,   | 4.8 | 9   |
| 36 | Unfolded protein response is involved in geniposide-regulating glucose-stimulated insulin secretion in INS-1 cells. <i>Cell Biochemistry and Function</i> , <b>2019</b> , 37, 368-376                                      | 4.2 | 3   |
| 35 | Cellular Specificity and Inter-cellular Coordination in the Brain Bioenergetic System: Implications for Aging and Neurodegeneration. <i>Frontiers in Physiology</i> , <b>2019</b> , 10, 1531                               | 4.6 | 13  |
| 34 | Neuroendocrine aging precedes perimenopause and is regulated by DNA methylation. <i>Neurobiology of Aging</i> , <b>2019</b> , 74, 213-224  | 5.6 | 17  |
| 33 | Geniposide Increases Unfolded Protein Response-Mediating HRD1 Expression to Accelerate APP Degradation in Primary Cortical Neurons. <i>Neurochemical Research</i> , <b>2018</b> , 43, 669-680                              | 4.6 | 10  |
| 32 | P3-133: A BIOENERGETIC-INFLAMMATORY TRANSITION STATE CHARACTERIZES PERIMENOPAUSAL AGING BRAIN AND INDICATES ALZHEIMER'S VULNERABILITY <b>2018</b> , 14, P1118-P1119  |     |     |
| 31 | F2-01-01: TRANSITIONS OF THE AGING FEMALE BRAIN: WINDOW INTO UNDERLYING MECHANISMS OF LATE ONSET ALZHEIMER'S DISEASE <b>2018</b> , 14, P601-P602   |     |     |
| 30 | P2-204: SEX DIFFERENCES IN METABOLIC AND INFLAMMATORY AGING OF THE BRAIN IN HUMANIZED APOE- $\epsilon$ KNOCK-IN RATS <b>2018</b> , 14, P746-P747   |     |     |
| 29 | P3-147: RESPONSE TO HORMONAL INTERVENTION IN AGING FEMALE BRAIN IS ENDOCRINE STATUS DEPENDENT: IMPLICATIONS FOR ALZHEIMER'S DISEASE <b>2018</b> , 14, P1124-P1124  |     |     |
| 28 | Geniposide protects pancreatic $\beta$ cells from high glucose-mediated injury by activation of AMP-activated protein kinase. <i>Cell Biology International</i> , <b>2017</b> , 41, 544-554                                | 4.5 | 14  |
| 27 | Effects of Lipoic Acid on High-Fat Diet-Induced Alteration of Synaptic Plasticity and Brain Glucose Metabolism: A PET/CT and C-NMR Study. <i>Scientific Reports</i> , <b>2017</b> , 7, 5391                                | 4.9 | 23  |
| 26 | 5VAMP-activated protein kinase plays an essential role in geniposide-regulated glucose-stimulated insulin secretion in rat pancreatic INS-1 $\beta$ cells. <i>Journal of Natural Medicines</i> , <b>2017</b> , 71, 123-130 | 3.3 | 11  |
| 25 | [P1005]: SEX DIFFERENCES IN METABOLIC AND NEUROLOGICAL OUTCOMES IN HUMANIZED APOE- $\epsilon$ KNOCK-IN RAT MODEL <b>2017</b> , 13, P232-P233   |     |     |
| 24 | [P2047]: IMPACT OF APOE GENOTYPE ON THE SEX-DIFFERENTIATED BIOENERGETIC TRAJECTORIES AND AD RISKS IN AGING MOUSE BRAINS <b>2017</b> , 13, P664-P664  |     |     |
| 23 | [P2088]: FEMALE BRAIN BIOENERGETIC SYSTEM IS REGULATED BY ENDOCRINE AGING: IMPLICATIONS FOR ALZHEIMER'S DISEASE <b>2017</b> , 13, P678-P678  |     |     |
| 22 | Mitochondrial function in ageing: coordination with signalling and transcriptional pathways. <i>Journal of Physiology</i> , <b>2016</b> , 594, 2025-42   | 3.9 | 47  |
| 21 | Energy metabolism and inflammation in brain aging and Alzheimer's disease. <i>Free Radical Biology and Medicine</i> , <b>2016</b> , 100, 108-122   | 7.8 | 218 |
| 20 | The perimenopausal aging transition in the female rat brain: decline in bioenergetic systems and synaptic plasticity. <i>Neurobiology of Aging</i> , <b>2015</b> , 36, 2282-2295   | 5.6 | 64  |

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|----|---|------|-----|
| 19 | P1-072: Aging transition of perimenopause is associated with bioenergetic shift in the female brain and decline in long-term potentiation <b>2015</b> , 11, P365-P366   |      |     |
| 18 | High-fat diet induces hepatic insulin resistance and impairment of synaptic plasticity. <i>PLoS ONE</i> , <b>2015</b> , 10, e0128274  | 3.7  | 113 |
| 17 | Perimenopause as a neurological transition state. <i>Nature Reviews Endocrinology</i> , <b>2015</b> , 11, 393-405   | 15.2 | 165 |
| 16 | White Matter Lipids as a Ketogenic Fuel Supply in Aging Female Brain: Implications for Alzheimer's Disease. <i>EBioMedicine</i> , <b>2015</b> , 2, 1888-904   | 8.8  | 92  |
| 15 | Energy-Redox Axis in Mitochondria: Interconnection of Energy-Transducing Capacity and Redox Status. <i>Oxidative Stress and Disease</i> , <b>2015</b> , 29-44   |      | 1   |
| 14 | Short-term cigarette smoke exposure leads to metabolic alterations in lung alveolar cells. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2014</b> , 51, 284-93   | 5.7  | 59  |
| 13 | P1-101: SEX DIFFERENCES IN BIOENERGETIC AGING OF THE BRAIN AND RISK OF ALZHEIMER'S DISEASE <b>2014</b> , 10, P339-P339  |      |     |
| 12 | Monoamine oxidase A mediates prostate tumorigenesis and cancer metastasis. <i>Journal of Clinical Investigation</i> , <b>2014</b> , 124, 2891-908   | 15.9 | 134 |
| 11 | Downregulation of the Werner syndrome protein induces a metabolic shift that compromises redox homeostasis and limits proliferation of cancer cells. <i>Aging Cell</i> , <b>2014</b> , 13, 367-78                               | 9.9  | 24  |
| 10 | Mitochondrial energy metabolism and redox signaling in brain aging and neurodegeneration. <i>Antioxidants and Redox Signaling</i> , <b>2014</b> , 20, 353-71  | 8.4  | 163 |
| 9  | Metabolic triad in brain aging: mitochondria, insulin/IGF-1 signalling and JNK signalling. <i>Biochemical Society Transactions</i> , <b>2013</b> , 41, 101-5  | 5.1  | 49  |
| 8  | Metabolic shift in lung alveolar cell mitochondria following acrolein exposure. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2013</b> , 305, L764-73                                     | 5.8  | 23  |
| 7  | Lipoic acid restores age-associated impairment of brain energy metabolism through the modulation of Akt/JNK signaling and PGC1 $\alpha$ transcriptional pathway. <i>Aging Cell</i> , <b>2013</b> , 12, 1021-31                  | 9.9  | 45  |
| 6  | Age-dependent modulation of synaptic plasticity and insulin mimetic effect of lipoic acid on a mouse model of Alzheimer's disease. <i>PLoS ONE</i> , <b>2013</b> , 8, e69830  | 3.7  | 59  |
| 5  | Silencing of nicotinamide nucleotide transhydrogenase impairs cellular redox homeostasis and energy metabolism in PC12 cells. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2012</b> , 1817, 401-9                  | 4.6  | 61  |
| 4  | Mitochondrial thiols in the regulation of cell death pathways. <i>Antioxidants and Redox Signaling</i> , <b>2012</b> , 17, 1714-27  | 8.4  | 89  |
| 3  | Chronic expression of RCAN1-1L protein induces mitochondrial autophagy and metabolic shift from oxidative phosphorylation to glycolysis in neuronal cells. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 14088-98 | 5.4  | 54  |
| 2  | Elevated neuronal nitric oxide synthase expression during ageing and mitochondrial energy production. <i>Free Radical Research</i> , <b>2009</b> , 43, 431-9  | 4    | 42  |

1 Gut Microbiota Mediates High-Fiber Diet Alleviation of Maternal Obesity-Induced Cognitive and Social Deficits in Offspring

1