

Arunkumar Elumalai

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

449
citations

1039880

9
h-index

1058333

14
g-index

14
all docs

14
docs citations

14
times ranked

817
citing authors

#	ARTICLE	IF	CITATIONS
1	Traditional fruits of South India: Bioactive components and their potential health implications in chronic diseases. <i>Journal of Food Biochemistry</i> , 2021, 45, e13266.	1.2	7
2	Predicting human glucose response curve using an engineered small intestine system in combination with mathematical modeling. <i>Journal of Food Engineering</i> , 2021, 293, 110395.	2.7	6
3	Gastric emptying pattern and disintegration kinetics of cooked rice in a 3D printed <i>in vitro</i> dynamic digestion model ARK ^A . <i>International Journal of Food Engineering</i> , 2021, 17, 385-393.	0.7	5
4	A Review on Recent Developments and Applications of Nanozymes in Food Safety and Quality Analysis. <i>Food Analytical Methods</i> , 2021, 14, 1537-1558.	1.3	19
5	Improvement of nutrient bioavailability in millets: Emphasis on the application of enzymes. <i>Journal of the Science of Food and Agriculture</i> , 2021, 101, 4869-4878.	1.7	18
6	An investigation on gastric emptying behavior of apple in the dynamic digestion model ARK ^A and its validation using MRI of human subjects – A pilot study. <i>Biochemical Engineering Journal</i> , 2021, 175, 108134.	1.8	1
7	1,25(OH) ₂ -vitamin D ₃ upregulates glucose uptake mediated by SIRT1/IRS1/GLUT4 signaling cascade in C2C12 myotubes. <i>Molecular and Cellular Biochemistry</i> , 2018, 444, 103-108.	1.4	30
8	Glutathione Stimulates Vitamin D Regulatory and Glucose-Metabolism Genes, Lowers Oxidative Stress and Inflammation, and Increases 25-Hydroxy-Vitamin D Levels in Blood: A Novel Approach to Treat 25-Hydroxyvitamin D Deficiency. <i>Antioxidants and Redox Signaling</i> , 2018, 29, 1792-1807.	2.5	69
9	Vitamin D supplementation inhibits oxidative stress and upregulate SIRT1/AMPK/GLUT4 cascade in high glucose-treated 3T3L1 adipocytes and in adipose tissue of high fat diet-fed diabetic mice. <i>Archives of Biochemistry and Biophysics</i> , 2017, 615, 22-34.	1.4	130
10	L-Cysteine supplementation increases insulin sensitivity mediated by upregulation of GSH and adiponectin in high glucose treated 3T3-L1 adipocytes. <i>Archives of Biochemistry and Biophysics</i> , 2017, 630, 54-65.	1.4	18
11	L-Cysteine supplementation increases adiponectin synthesis and secretion, and GLUT4 and glucose utilization by upregulating disulfide bond A-like protein expression mediated by MCP-1 inhibition in 3T3-L1 adipocytes exposed to high glucose. <i>Molecular and Cellular Biochemistry</i> , 2016, 414, 105-113.	1.4	19
12	Rosmarinic acid treatment alleviates fibrotic changes in the myocardium induced in a rat model of insulin resistance. <i>Asian Pacific Journal of Tropical Disease</i> , 2012, 2, S920-S926.	0.5	4
13	Genistein promotes insulin action through adenosine monophosphate-activated protein kinase activation and p70 ribosomal protein S6 kinase 1 inhibition in the skeletal muscle of mice fed a high energy diet. <i>Nutrition Research</i> , 2012, 32, 617-625.	1.3	33
14	An intervention study in obese mice with astaxanthin, a marine carotenoid – effects on insulin signaling and pro-inflammatory cytokines. <i>Food and Function</i> , 2012, 3, 120-126.	2.1	90