Brian P Mooney

List of Publications by Year
in descending order

22	833	759233 12	713466 21
papers	citations	h-index	g-index

22	22	22	1348
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The second green revolution? Production of plant-based biodegradable plastics. Biochemical Journal, 2009, 418, 219-232.	3.7	189
2	THECOMPLEXFATE OFÎ±-KETOACIDS. Annual Review of Plant Biology, 2002, 53, 357-375.	18.7	148
3	High-throughput peptide mass fingerprinting of soybean seed proteins: automated workflow and utility of UniGene expressed sequence tag databases for protein identification. Phytochemistry, 2004, 65, 1733-1744.	2.9	135
4	System Analysis of an Arabidopsis Mutant Altered in de Novo Fatty Acid Synthesis Reveals Diverse Changes in Seed Composition and Metabolism Â Â. Plant Physiology, 2009, 150, 27-41.	4.8	63
5	Using quantitative proteomics of Arabidopsis roots and leaves to predict metabolic activity. Physiologia Plantarum, 2006, 128, 237-250.	5.2	53
6	Cloning and Characterization of the DihydrolipoamideS-Acetyltransferase Subunit of the Plastid Pyruvate Dehydrogenase Complex (E2) from Arabidopsis1. Plant Physiology, 1999, 120, 443-452.	4.8	41
7	Specific changes in total and mitochondrial proteomes are associated with higher levels of heterosis in maize hybrids. Plant Journal, 2012, 72, 70-83.	5.7	40
8	A proteomic analysis of liver after ethanol binge in chronically ethanol treated rats. Proteome Science, 2012, 10, 29.	1.7	26
9	Developmental expression of the mitochondrial pyruvate dehydrogenase complex in pea (Pisum) Tj ETQq1 1 0.784314 rgBT /Overlock	5.2	21
10	Histidine Modifying Agents Abolish Pyruvate Dehydrogenase Kinase Activity. Biochemical and Biophysical Research Communications, 2000, 267, 500-503.	2.1	19
11	Cell surface Thomsen-Friedenreich proteome profiling of metastatic prostate cancer cells reveals potential link with cancer stem cell-like phenotype. Oncotarget, 2017, 8, 98598-98608.	1.8	16
12	Quantitative Proteomic Analysis of Chikungunya Virus-Infected Aedes aegypti Reveals Proteome Modulations Indicative of Persistent Infection. Journal of Proteome Research, 2020, 19, 2443-2456.	3.7	15
13	Label-Free Quantitative Phosphoproteomics Reveals Signaling Dynamics Involved in Embryogenic Competence Acquisition in Sugarcane. Journal of Proteome Research, 2020, 19, 4145-4157.	3.7	11
14	Quantitative Proteomics Reveals Docosahexaenoic Acid-Mediated Neuroprotective Effects in Lipopolysaccharide-Stimulated Microglial Cells. Journal of Proteome Research, 2020, 19, 2236-2246.	3.7	11
15	Quantitative Proteomics of Zea mays Hybrids Exhibiting Different Levels of Heterosis. Journal of Proteome Research, 2016, 15, 2445-2454.	3.7	10
16	Expression and assembly of Arabidopsis thaliana pyruvate dehydrogenase in insect cell cytoplasm. Protein Expression and Purification, 2003, 28, 357-361.	1.3	8
17	A novel regulatory mechanism based upon a dynamic core structure for the mitochondrial pyruvate dehydrogenase complex?. Mitochondrion, 2014, 19, 144-153.	3.4	8
18	Role of Î±A-crystallin-derived Î±A66-80 peptide in guinea pig lens crystallin aggregation and insolubilization. Experimental Eye Research, 2015, 132, 151-160.	2.6	8

#	Article	IF	Citations
19	The dihydrolipoyl acyltransferase (BCE2) subunit of the plant branchedâ€chain Î±â€ketoacid dehydrogenase complex forms a 24â€mer core with octagonal symmetry. Protein Science, 2000, 9, 1334-1339.	7.6	7
20	Integrative proteomics and phosphoproteomics reveals phosphorylation networks involved in the maintenance and expression of embryogenic competence in sugarcane callus. Journal of Plant Physiology, 2022, 268, 153587.	3.5	3
21	Transdermal Delivery of High Molecular Weight Antibiotics to Deep Tissue Infections via Droplette Micromist Technology Device (DMTD). Pharmaceutics, 2022, 14, 976.	4.5	1
22	Deletion of Specific Conserved Motifs from the N-Terminal Domain of Î±B-Crystallin Results in the Activation of Chaperone Functions. International Journal of Molecular Sciences, 2022, 23, 1099.	4.1	0