Dana W Aswad

List of Publications by Year
in descending order

32 papers	1,161 citations	471509 17 h-index	454955 30 g-index
32 all docs	32 docs citations	32 times ranked	884 citing authors

#	Article	IF	Citations
1	New findings on SNP variants of human protein L-isoaspartyl methyltransferase that affect catalytic activity, thermal stability, and aggregation. PLoS ONE, 2018, 13, e0198266.	2.5	6
2	Polymorphic Variants of Human Protein l-Isoaspartyl Methyltransferase Affect Catalytic Activity, Aggregation, and Thermal Stability. Journal of Biological Chemistry, 2017, 292, 3656-3665.	3.4	6
3	Isoaspartylation appears to trigger small cell lung cancer-associated autoimmunity against neuronal protein ELAVL4. Journal of Neuroimmunology, 2016, 299, 70-78.	2.3	7
4	The d-isoAsp-25 variant of histone H2B is highly enriched in active chromatin: potential role in the regulation of gene expression?. Amino Acids, 2016, 48, 599-603.	2.7	12
5	Sex Influences on the Brain: An Issue Whose Time Has Come. Neuron, 2015, 88, 1084-1085.	8.1	38
6	Accelerated protein damage in brains of PIMT+/â^' mice; a possible model for the variability of cognitive decline in human aging. Neurobiology of Aging, 2015, 36, 1029-1036.	3.1	28
7	Isoaspartyl Formation in Creatine Kinase B Is Associated with Loss of Enzymatic Activity; Implications for the Linkage of Isoaspartate Accumulation and Neurological Dysfunction in the PIMT Knockout Mouse. PLoS ONE, 2014, 9, e100622.	2.5	18
8	Isoaspartyl Protein Damage and Repair in Mouse Retina. , 2014, 55, 1572.		13
9	Autoimmunity to isomerized histone H2B in systemic lupus erythematosus. Autoimmunity, 2013, 46, 6-13.	2.6	32
10	Isoaspartate Accumulation in Mouse Brain Is Associated with Altered Patterns of Protein Phosphorylation and Acetylation, Some of Which Are Highly Sex-Dependent. PLoS ONE, 2013, 8, e80758.	2.5	18
11	Changes in synapsin 1 phosphorylation and tubulin acetylation in mice deficient in protein Lâ€isoaspartyl methyltransferase. FASEB Journal, 2013, 27, 553.11.	0.5	1
12	Considerations in the Identification of Endogenous Substrates for Protein L-Isoaspartyl Methyltransferase: The Case of Synuclein. PLoS ONE, 2012, 7, e43288.	2.5	10
13	Acquisition of chemiluminescent signals from immunoblots with a digital single-lens reflex camera. Analytical Biochemistry, 2010, 397, 129-131.	2.4	46
14	Selective cleavage of isoaspartyl peptide bonds by hydroxylamine after methyltransferase priming. Analytical Biochemistry, 2007, 364, 1-7.	2.4	12
15	Intracellular Protein Modification Associated with Altered T Cell Functions in Autoimmunity. Journal of Immunology, 2006, 177, 4541-4549.	0.8	32
16	Synapsin I Is a Major Endogenous Substrate for Protein L-Isoaspartyl Methyltransferase in Mammalian Brain. Journal of Biological Chemistry, 2006, 281, 8389-8398.	3.4	35
17	Protein Repair in the Brain, Proteomic Analysis of Endogenous Substrates for Protein L-Isoaspartyl Methyltransferase in Mouse Brain. Journal of Biological Chemistry, 2006, 281, 33802-33813.	3.4	79
18	Increase in intracellular protein modification associated with altered lymphocyte functions in autoimmunity. FASEB Journal, 2006, 20, A964.	0.5	0

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19	Protein L-Isoaspartyl Methyltransferase Catalyzes in Vivo Racemization of Aspartate-25 in Mammalian Histone H2B. Journal of Biological Chemistry, 2005, 280, 26094-26098.	3.4	40
20	Structural Integrity of Histone H2B in Vivo Requires the Activity of Protein l-IsoaspartateO-Methyltransferase, a Putative Protein Repair Enzyme. Journal of Biological Chemistry, 2001, 276, 37161-37165.	3.4	74
21	Isoaspartate in peptides and proteins: formation, significance, and analysis. Journal of Pharmaceutical and Biomedical Analysis, 2000, 21, 1129-1136.	2.8	222
22	The effect of urea exposure on isoaspartyl content and protein l-isoaspartate methyltransferase activity in Drosophila melanogaster. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 1999, 124, 423-427.	1.6	10
23	Human Erythrocyte Proteinl-Isoaspartyl Methyltransferase: Heritability of Basal Activity and Genetic Polymorphism for Thermal Stability. Archives of Biochemistry and Biophysics, 1997, 346, 277-286.	3.0	13
24	Major degradation products of basic fibroblast growth factor: detection of succinimide and iso-aspartate in place of aspartate. Pharmaceutical Research, 1994, 11, 936-944.	3.5	39
25	In vitro aging of calmodulin generates isoaspartate at multiple Asnâ€“Gly and Aspâ€“Gly sites in calciumâ€binding domains II, III, and IV. Protein Science, 1993, 2, 1648-1663.	7.6	74
26	Kinetic properties of bovine brain proteinl-isoaspartyl methyltransferase determined using a synthetic isoaspartyl peptide substrate. Neurochemical Research, 1993, 18, 87-94.	3.3	34
27	Protein L-isoaspartyl methyltransferase in postmortem brains of aged humans. Neurobiology of Aging, 1991, 12, 19-24.	3.1	38
28	Optimal conditions for the use of protein l-isoaspartyl methyltransferase in assessing the isoaspartate content of peptides and proteins. Analytical Biochemistry, 1991, 192, 384-391.	2.4	63
29	Protein carboxyl methyltransferase activity specific for age-modified aspartyl residues in mouse testes and ovaries: Evidence for translation during spermiogenesis. Gamete Research, 1989, 22, 307-319.	1.7	13
30	Identification and Topography of Substrates for Protein Carboxyl Methyltransferase in Synaptic Membrane and Myelin-Enriched Fractions of Bovine and Rat Brain. Journal of Neurochemistry, 1985, 45, 1119-1127.	3.9	17
31	Endogenous Substrates for Protein Carboxyl Methyltransferase in Cytosolic Fractions of Bovine Brain. Journal of Neurochemistry, 1983, 41, 1702-1709.	3.9	36
32	Purification and Characterization of Two Distinct Isozymes of Protein Carboxymethylase from Bovine Brain. Journal of Neurochemistry, 1983, 40, 1718-1726.	3.9	95