

Andrea Fuso

List of Publications by Year in descending order

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76
papers

3,403
citations

126907

33
h-index

144013

57
g-index

91
all docs

91
docs citations

91
times ranked

4278
citing authors

#	ARTICLE	IF	CITATIONS
1	S-adenosylmethionine/homocysteine cycle alterations modify DNA methylation status with consequent deregulation of PS1 and BACE and beta-amyloid production. <i>Molecular and Cellular Neurosciences</i> , 2005, 28, 195-204.	2.2	376
2	B-vitamin deprivation induces hyperhomocysteinemia and brain S-adenosylhomocysteine, depletes brain S-adenosylmethionine, and enhances PS1 and BACE expression and amyloid- β deposition in mice. <i>Molecular and Cellular Neurosciences</i> , 2008, 37, 731-746.	2.2	183
3	Presenilin 1 gene silencing by S-adenosylmethionine: a treatment for Alzheimer disease?. <i>FEBS Letters</i> , 2003, 541, 145-148.	2.8	176
4	Identification of Spermatogonial Stem Cell Subsets by Morphological Analysis and Prospective Isolation. <i>Stem Cells</i> , 2009, 27, 3043-3052.	3.2	125
5	Pharmacodynamics and pharmacokinetics of inositol(s) in health and disease. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2016, 12, 1181-1196.	3.3	124
6	The Dynamics of Myogenin Site-specific Demethylation Is Strongly Correlated with Its Expression and with Muscle Differentiation. <i>Journal of Biological Chemistry</i> , 2001, 276, 7500-7506.	3.4	118
7	Sertoli Cells Initiate Testicular Innate Immune Responses through TLR Activation. <i>Journal of Immunology</i> , 2006, 177, 7122-7130.	0.8	107
8	S-adenosylmethionine reduces the progress of the Alzheimer-like features induced by B-vitamin deficiency in mice. <i>Neurobiology of Aging</i> , 2012, 33, 1482.e1-1482.e16.	3.1	107
9	Changes in Presenilin 1 gene methylation pattern in diet-induced B vitamin deficiency. <i>Neurobiology of Aging</i> , 2011, 32, 187-199.	3.1	106
10	Neuroinflammatory Signals in Alzheimer Disease and APP/PS1 Transgenic Mice. <i>Journal of Neuropathology and Experimental Neurology</i> , 2015, 74, 319-344.	1.7	105
11	DNA methylase and demethylase activities are modulated by one-carbon metabolism in Alzheimer's disease models. <i>Journal of Nutritional Biochemistry</i> , 2011, 22, 242-251.	4.2	98
12	Distribution of GFRA1-expressing spermatogonia in adult mouse testis. <i>Reproduction</i> , 2012, 143, 325-332.	2.6	90
13	Gene silencing through methylation: An epigenetic intervention on Alzheimer disease. <i>Journal of Alzheimer's Disease</i> , 2006, 9, 407-414.	2.6	79
14	Early demethylation of non-CpG, CpC-rich, elements in the myogenin 5' flanking region. <i>Cell Cycle</i> , 2010, 9, 3965-3976.	2.6	76
15	S-Adenosylmethionine Prevents Oxidative Stress and Modulates Glutathione Metabolism in TgCRND8 Mice Fed a B-Vitamin Deficient Diet. <i>Journal of Alzheimer's Disease</i> , 2010, 20, 997-1002.	2.6	70
16	PARP-1 Modulates Amyloid Beta Peptide-Induced Neuronal Damage. <i>PLoS ONE</i> , 2013, 8, e72169.	2.5	70
17	Pharmacological Stimulation of the Brain Serotonin Receptor 7 as a Novel Therapeutic Approach for Rett Syndrome. <i>Neuropsychopharmacology</i> , 2014, 39, 2506-2518.	5.4	64
18	One-carbon metabolism and Alzheimer's disease: is it all a methylation matter?. <i>Neurobiology of Aging</i> , 2011, 32, 1192-1195.	3.1	63

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19	Bioenergetic Impairment in Animal and Cellular Models of Alzheimer's Disease: PARP-1 Inhibition Rescues Metabolic Dysfunctions. <i>Journal of Alzheimer's Disease</i> , 2016, 54, 307-324.	2.6	62
20	β -Secretase is Differentially Modulated by Alterations of Homocysteine Cycle in Neuroblastoma and Glioblastoma Cells. <i>Journal of Alzheimer's Disease</i> , 2007, 11, 275-290.	2.6	61
21	Stress-Induced Cytokines and Neuronal Dysfunction in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2012, 28, 11-24.	2.6	60
22	B Vitamin Deficiency Promotes Tau Phosphorylation Through Regulation of GSK3 β and PP2A. <i>Journal of Alzheimer's Disease</i> , 2010, 19, 895-907.	2.6	57
23	Cholinergic hypofunction in MeCP2-308 mice: Beneficial neurobehavioural effects of neonatal choline supplementation. <i>Behavioural Brain Research</i> , 2011, 221, 623-629.	2.2	55
24	Alzheimer's Disease Promotion by Obesity: Induced Mechanisms—Molecular Links and Perspectives. <i>Current Gerontology and Geriatrics Research</i> , 2012, 2012, 1-13.	1.6	47
25	Environment, epigenetics and neurodegeneration: Focus on nutrition in Alzheimer's disease. <i>Experimental Gerontology</i> , 2015, 68, 8-12.	2.8	45
26	Nicotine Inhibits Apoptosis and Stimulates Proliferation in Aortic Smooth Muscle Cells Through a Functional Nicotinic Acetylcholine Receptor. <i>Journal of Surgical Research</i> , 2008, 150, 227-235.	1.6	44
27	Long-lasting beneficial effects of central serotonin receptor 7 stimulation in female mice modeling Rett syndrome. <i>Frontiers in Behavioral Neuroscience</i> , 2015, 9, 86.	2.0	44
28	DNA Methylation Profiles of Selected Pro-Inflammatory Cytokines in Alzheimer Disease. <i>Journal of Neuropathology and Experimental Neurology</i> , 2017, 76, nlw099.	1.7	44
29	Ketone Bodies Promote Amyloid- β 1-40 Clearance in a Human in Vitro Blood-Brain Barrier Model. <i>International Journal of Molecular Sciences</i> , 2020, 21, 934.	4.1	42
30	Disclosing Bias in Bisulfite Assay: MethPrimers Underestimate High DNA Methylation. <i>PLoS ONE</i> , 2015, 10, e0118318.	2.5	42
31	CpG and non-CpG Presenilin1 methylation pattern in course of neurodevelopment and neurodegeneration is associated with gene expression in human and murine brain. <i>Epigenetics</i> , 2020, 15, 781-799.	2.7	39
32	The "golden age" of DNA methylation in neurodegenerative diseases. <i>Clinical Chemistry and Laboratory Medicine</i> , 2013, 51, 523-34.	2.3	37
33	Evaluation of chemical and diastereoisomeric stability of S-adenosylmethionine in aqueous solution by capillary electrophoresis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005, 38, 449-456.	2.8	34
34	The complex interplay between DNA methylation and miRNAs in gene expression regulation. <i>Biochimie</i> , 2020, 173, 12-16.	2.6	32
35	Gene silencing by S-adenosylmethionine in muscle differentiation. <i>FEBS Letters</i> , 2001, 508, 337-340.	2.8	31
36	Plasma Thiols Levels in Alzheimer's Disease Mice under Diet-Induced Hyperhomocysteinemia: Effect of S-Adenosylmethionine and Superoxide-Dismutase Supplementation. <i>Journal of Alzheimer's Disease</i> , 2015, 44, 1323-1331.	2.6	30

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37	Alpha-Lipoic Acid Downregulates IL-1 β and IL-6 by DNA Hypermethylation in SK-N-BE Neuroblastoma Cells. <i>Antioxidants</i> , 2017, 6, 74.	5.1	29
38	PSEN1 Promoter Demethylation in Hyperhomocysteinemic TgCRND8 Mice is the Culprit, not the Consequence. <i>Current Alzheimer Research</i> , 2012, 9, 527-535.	1.4	27
39	Interleukin-18 modulation in autism spectrum disorders. <i>Journal of Neuroinflammation</i> , 2016, 13, 2.	7.2	27
40	Neonatal exposure to low dose corticosterone persistently modulates hippocampal mineralocorticoid receptor expression and improves locomotor/exploratory behaviour in a mouse model of Rett syndrome. <i>Neuropharmacology</i> , 2013, 68, 174-183.	4.1	26
41	CpG and Non-CpG Methylation in the Diet-Induced Epigenetics-Neurodegeneration Connection. <i>Current Nutrition Reports</i> , 2019, 8, 74-82.	4.3	26
42	Subcellular TSC22D4 Localization in Cerebellum Granule Neurons of the Mouse Depends on Development and Differentiation. <i>Cerebellum</i> , 2012, 11, 28-40.	2.5	25
43	Promoter-Specific Hypomethylation Correlates with IL-1 β Overexpression in Tuberous Sclerosis Complex (TSC). <i>Journal of Molecular Neuroscience</i> , 2016, 59, 464-470.	2.3	23
44	The inter-talk between <i>Mycobacterium tuberculosis</i> and the epigenetic mechanisms. <i>Epigenomics</i> , 2020, 12, 455-469.	2.1	22
45	High density lipoproteins downregulate basic fibroblast growth factor production and release in minimally oxidated-LDL treated smooth muscle cells. <i>Atherosclerosis</i> , 2006, 189, 303-309.	0.8	21
46	The effect of S-adenosylmethionine on CNS gene expression studied by cDNA microarray analysis. <i>Journal of Alzheimer's Disease</i> , 2006, 9, 415-419.	2.6	21
47	A reassessment of semiquantitative analytical procedures for DNA methylation: Comparison of bisulfite- and HpaII polymerase-chain-reaction-based methods. <i>Analytical Biochemistry</i> , 2006, 350, 24-31.	2.4	20
48	GSK3 β 5'-flanking DNA Methylation and Expression in Alzheimer's Disease Patients. <i>Current Alzheimer Research</i> , 2017, 14, 753-759.	1.4	20
49	Nicotine exposure during adolescence: cognitive performance and brain gene expression in adult heterozygous reeler mice. <i>Psychopharmacology</i> , 2014, 231, 1775-1787.	3.1	17
50	S-Adenosylmethionine and Superoxide Dismutase 1 Synergistically Counteract Alzheimer's Disease Features Progression in TgCRND8 Mice. <i>Antioxidants</i> , 2017, 6, 76.	5.1	16
51	Tumor reversion and embryo morphogenetic factors. <i>Seminars in Cancer Biology</i> , 2022, 79, 83-90.	9.6	16
52	Chromatin-Modifying Agents Increase Transcription of CYP46A1, a Key Player in Brain Cholesterol Elimination. <i>Journal of Alzheimer's Disease</i> , 2011, 22, 1209-1221.	2.6	15
53	Nicotine Restores Wt-Like Levels of Reelin and GAD67 Gene Expression in Brain of Heterozygous Reeler Mice. <i>Neurotoxicity Research</i> , 2013, 24, 205-215.	2.7	13
54	Methyl-CpG binding protein 2 functional alterations provide vulnerability to develop behavioral and molecular features of post-traumatic stress disorder in male mice. <i>Neuropharmacology</i> , 2019, 160, 107664.	4.1	11

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55	miR-125a-5p impairs the metastatic potential in breast cancer via IP6K1 targeting. <i>Cancer Letters</i> , 2021, 520, 48-56.	7.2	10
56	Analytical Performance of COVID-19 Detection Methods (RT-PCR): Scientific and Societal Concerns. <i>Life</i> , 2021, 11, 660.	2.4	9
57	One-Carbon Metabolism Alteration Affects Brain Proteome Profile in a Mouse Model of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2011, 22, 1257-1268.	2.6	8
58	Î±-Lipoic Acid Vaginal Administration Contrasts Inflammation and Preterm Delivery in Rats. <i>Reproductive Sciences</i> , 2019, 26, 128-138.	2.5	8
59	Sexually Dimorphic Expression of Reelin in the Brain of a Mouse Model of Alzheimer Disease. <i>Journal of Molecular Neuroscience</i> , 2017, 61, 359-367.	2.3	7
60	Involvement of sperm acetylated histones and the nuclear isoform of Glutathione peroxidase 4 in fertilization. <i>Journal of Cellular Physiology</i> , 2018, 233, 3093-3104.	4.1	6
61	Non-CpG Methylation Revised. <i>Epigenomes</i> , 2018, 2, 22.	1.8	6
62	Active Demethylation of Non-CpG Moieties in Animals: A Neglected Research Area. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6272.	4.1	6
63	Quantitative Evaluation of CFTR Pre-mRNA Splicing Dependent on the (TC)mTn Poly-Variant Tract. <i>Diagnostics</i> , 2021, 11, 168.	2.6	5
64	S-adenosylmethionine Inhibits Ubiquitin-Proteasome System In Vitro and on Rat Vascular Smooth Muscle Cells. <i>Protein and Peptide Letters</i> , 2008, 15, 58-62.	0.9	4
65	Alpha-lipoic acid represses IL-1B and IL-6 through DNA methylation in ovarian cells. <i>PharmaNutrition</i> , 2017, 5, 77-83.	1.7	4
66	Exploring the brain tissue proteome of TgCRND8 Alzheimer's Disease model mice under B vitamin deficient diet induced hyperhomocysteinemia by LC-MS top-down platform. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1124, 165-172.	2.3	4
67	Nutrition and Dementia. <i>Current Gerontology and Geriatrics Research</i> , 2012, 2012, 1-3.	1.6	3
68	Urokinase expression in course of benign and malignant mammary lesions: comparison between nodular and healthy tissues. <i>Journal of Cancer Research and Clinical Oncology</i> , 2010, 136, 157-163.	2.5	2
69	Aging and Disease. , 2018, , 935-973.		1
70	Stimulation of the Serotonin Receptor 7 Restores Brain Histone H3 Acetylation and MeCP2 Corepressor Protein Levels in a Female Mouse Model of Rett Syndrome. <i>Journal of Neuropathology and Experimental Neurology</i> , 2021, 80, 265-273.	1.7	1
71	Aging and Disease. , 2012, , 519-544.		0
72	Diet, Epigenetics, and Alzheimer's Disease. , 2019, , 987-1003.		0

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73	Epigenetic modifications in host-bacterial dialogues: more than meets the eye. <i>Epigenomics</i> , 2022, 14, 5-9.	2.1	0
74	Diet, Epigenetics, and Alzheimer's Disease. , 2017, , 1-17.		0
75	RNA Expression Analysis of Mycobacterial Methyltransferases Genes in Different Resistant Strains of <i>Mycobacterium tuberculosis</i> . <i>Iranian Biomedical Journal</i> , 2022, , .	0.7	0
76	RNA Expression Analysis of Mycobacterial Methyltransferases Genes in Different Resistant Strains of <i>Mycobacterium tuberculosis</i> . <i>Iranian Biomedical Journal</i> , 2022, 26, 240-251.	0.7	0