

Mojgan Rastegar

List of Publications by Citations

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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.

59
papers

2,072
citations

30
h-index

44
g-index

61
ext. papers

2,584
ext. citations

6.3
avg, IF

5.09
L-index

#	Paper	IF	Citations
59	Epigenetic control. <i>Journal of Cellular Physiology</i> , 2009 , 219, 243-50	7	253
58	Cellular commitment in the developing cerebellum. <i>Frontiers in Cellular Neuroscience</i> , 2014 , 8, 450	6.1	110
57	Involvement of STAT5 (signal transducer and activator of transcription 5) and HNF-4 (hepatocyte nuclear factor 4) in the transcriptional control of the hnf6 gene by growth hormone. <i>Molecular Endocrinology</i> , 2000 , 14, 285-94		102
56	DNA modifications: function and applications in normal and disease States. <i>Biology</i> , 2014 , 3, 670-723	4.9	89
55	Rett syndrome and MeCP2. <i>NeuroMolecular Medicine</i> , 2014 , 16, 231-64	4.6	84
54	Oxytocin mitigated the depressive-like behaviors of maternal separation stress through modulating mitochondrial function and neuroinflammation. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2017 , 76, 169-178	5.5	74
53	Epigenetic control of Hox genes during neurogenesis, development, and disease. <i>Annals of Anatomy</i> , 2010 , 192, 261-74	2.9	73
52	Sequential histone modifications at Hoxd4 regulatory regions distinguish anterior from posterior embryonic compartments. <i>Molecular and Cellular Biology</i> , 2004 , 24, 8090-103	4.8	60
51	MEIS C termini harbor transcriptional activation domains that respond to cell signaling. <i>Journal of Biological Chemistry</i> , 2005 , 280, 10119-27	5.4	60
50	Brain region-specific expression of MeCP2 isoforms correlates with DNA methylation within Mecp2 regulatory elements. <i>PLoS ONE</i> , 2014 , 9, e90645	3.7	58
49	Linking epigenetics to human disease and Rett syndrome: the emerging novel and challenging concepts in MeCP2 research. <i>Neural Plasticity</i> , 2012 , 2012, 415825	3.3	56
48	MECP2 isoform-specific vectors with regulated expression for Rett syndrome gene therapy. <i>PLoS ONE</i> , 2009 , 4, e6810	3.7	55
47	Mice with an isoform-ablating Mecp2 exon 1 mutation recapitulate the neurologic deficits of Rett syndrome. <i>Human Molecular Genetics</i> , 2014 , 23, 2447-58	5.6	50
46	Novel MeCP2 isoform-specific antibody reveals the endogenous MeCP2E1 expression in murine brain, primary neurons and astrocytes. <i>PLoS ONE</i> , 2012 , 7, e49763	3.7	49
45	The multiple functions of melatonin in regenerative medicine. <i>Ageing Research Reviews</i> , 2018 , 45, 33-52	12	44
44	Stereospecificity and PAX6 function direct Hoxd4 neural enhancer activity along the antero-posterior axis. <i>Developmental Biology</i> , 2006 , 299, 582-93	3.1	41
43	The genetic and epigenetic journey of embryonic stem cells into mature neural cells. <i>Frontiers in Genetics</i> , 2012 , 3, 81	4.5	39

42	CCAAT/enhancer-binding protein-alpha is a component of the growth hormone-regulated network of liver transcription factors. <i>Endocrinology</i> , 2000 , 141, 1686-92	4.8	39
41	Involvement of D1 and D2 dopamine receptors in the antidepressant-like effects of selegiline in maternal separation model of mouse. <i>Physiology and Behavior</i> , 2016 , 163, 107-114	3.5	39
40	Interplay between chromatin and trans-acting factors regulating the Hoxd4 promoter during neural differentiation. <i>Journal of Biological Chemistry</i> , 2006 , 281, 25926-39	5.4	38
39	Attenuation of oxidative and nitrosative stress in cortical area associates with antidepressant-like effects of tropisetron in male mice following social isolation stress. <i>Brain Research Bulletin</i> , 2016 , 124, 150-63	3.9	36
38	Decitabine alters the expression of Mecp2 isoforms via dynamic DNA methylation at the Mecp2 regulatory elements in neural stem cells. <i>Molecular Autism</i> , 2013 , 4, 46	6.5	35
37	Ethanol deregulates Mecp2/MeCP2 in differentiating neural stem cells via interplay between 5-methylcytosine and 5-hydroxymethylcytosine at the Mecp2 regulatory elements. <i>Experimental Neurology</i> , 2015 , 265, 102-17	5.7	34
36	Control of gene expression by growth hormone in liver: key role of a network of transcription factors. <i>Molecular and Cellular Endocrinology</i> , 2000 , 164, 1-4	4.4	34
35	Beta2-microglobulin induces caspase-dependent apoptosis in the CCRF-HSB-2 human leukemia cell line independently of the caspase-3, -8 and -9 pathways but through increased reactive oxygen species. <i>International Journal of Cancer</i> , 2003 , 103, 316-27	7.5	33
34	Loss of HLTF function promotes intestinal carcinogenesis. <i>Molecular Cancer</i> , 2012 , 11, 18	42.1	31
33	Dynamic expression of MEIS1 homeoprotein in E14.5 forebrain and differentiated forebrain-derived neural stem cells. <i>Annals of Anatomy</i> , 2013 , 195, 431-40	2.9	31
32	MeCP2-Related Diseases and Animal Models. <i>Diseases (Basel, Switzerland)</i> , 2014 , 2, 45-70	4.4	31
31	Simvastatin Induces Apoptosis in Medulloblastoma Brain Tumor Cells via Mevalonate Cascade Prenylation Substrates. <i>Cancers</i> , 2019 , 11,	6.6	30
30	Streptozotocin induced oxidative stress, innate immune system responses and behavioral abnormalities in male mice. <i>Neuroscience</i> , 2017 , 340, 373-383	3.9	30
29	Overview of the Genetic Basis and Epigenetic Mechanisms that Contribute to FASD Pathobiology. <i>Current Topics in Medicinal Chemistry</i> , 2017 , 17, 808-828	3	28
28	beta(2)-microglobulin induces apoptosis in HL-60 human leukemia cell line and its multidrug resistant variants overexpressing MRP1 but lacking Bax or overexpressing P-glycoprotein. <i>Oncogene</i> , 2001 , 20, 7006-20	9.2	25
27	Hepatocyte nuclear factor 6: organization and chromosomal assignment of the rat gene and characterization of its promoter. <i>Biochemical Journal</i> , 1998 , 334 (Pt 3), 565-9	3.8	24
26	Experiencing neonatal maternal separation increased pain sensitivity in adult male mice: Involvement of oxytocinergic system. <i>Neuropeptides</i> , 2017 , 61, 77-85	3.3	23
25	Retrovirus silencing by an epigenetic TRIM. <i>Cell</i> , 2007 , 131, 13-4	56.2	22

24	Mutation Interrupts Nucleolin-mTOR-P70S6K Signaling in Rett Syndrome Patients. <i>Frontiers in Genetics</i> , 2018 , 9, 635	4.5	22
23	Perturbation of redox balance after thioredoxin reductase deficiency interrupts autophagy-lysosomal degradation pathway and enhances cell death in nutritionally stressed SH-SY5Y cells. <i>Free Radical Biology and Medicine</i> , 2016 , 101, 53-70	7.8	21
22	NMDA receptors are involved in the antidepressant-like effects of capsaicin following amphetamine withdrawal in male mice. <i>Neuroscience</i> , 2016 , 329, 122-33	3.9	20
21	Proteinase-3, a serine protease which mediates doxorubicin-induced apoptosis in the HL-60 leukemia cell line, is downregulated in its doxorubicin-resistant variant. <i>Oncogene</i> , 2002 , 21, 5160-74	9.2	18
20	DNA Methylation Contributes to the Differential Expression Levels of in Male Mice Neurons and Astrocytes. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	17
19	Chronic Ethanol Exposure Alters DNA Methylation in Neural Stem Cells: Role of Mouse Strain and Sex. <i>Molecular Neurobiology</i> , 2020 , 57, 650-667	6.2	16
18	Genome-Wide Transcriptome Landscape of Embryonic Brain-Derived Neural Stem Cells Exposed to Alcohol with Strain-Specific Cross-Examination in BL6 and CD1 Mice. <i>Scientific Reports</i> , 2019 , 9, 206	4.9	15
17	Recent advances in FRET-Based biosensors for biomedical applications. <i>Analytical Biochemistry</i> , 2021 , 630, 114323	3.1	13
16	Differential brain region-specific expression of MeCP2 and BDNF in Rett Syndrome patients: a distinct grey-white matter variation. <i>Neuropathology and Applied Neurobiology</i> , 2020 , 46, 735-750	5.2	11
15	Lithium attenuates the proconvulsant effect of adolescent social isolation stress via involvement of the nitrenergic system. <i>Epilepsy and Behavior</i> , 2016 , 61, 6-13	3.2	11
14	The MeCP2E1/E2-BDNF- Homeostasis Regulatory Network Is Region-Dependent in the Human Brain and Is Impaired in Rett Syndrome Patients. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 763	5.7	9
13	Role of DNA Methyl-CpG-Binding Protein MeCP2 in Rett Syndrome Pathobiology and Mechanism of Disease. <i>Biomolecules</i> , 2021 , 11,	5.9	9
12	Protective effects of gabapentin against the seizure susceptibility and comorbid behavioral abnormalities in the early socially isolated mice. <i>European Journal of Pharmacology</i> , 2017 , 797, 106-114	5.3	7
11	Epigenetics and Cerebellar Neurodevelopmental Disorders 2017 , 197-218		5
10	Mice with an isoform-ablating Mecp2 exon 1 mutation recapitulate the neurologic deficits of Rett syndrome. <i>Human Molecular Genetics</i> , 2014 , 23, 6695-6695	5.6	5
9	Ubiquitin ligases and medulloblastoma: genetic markers of the four consensus subgroups identified through transcriptome datasets. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020 , 1866, 165839	6.9	2
8	Transcriptional Regulation of Isoforms and by Metformin and Simvastatin through Analyzing Nascent RNA Synthesis in a Human Brain Cell Line. <i>Biomolecules</i> , 2021 , 11,	5.9	2
7	Nanoparticle-based drug delivery systems to overcome gastric cancer drug resistance. <i>Journal of Drug Delivery Science and Technology</i> , 2022 , 70, 103231	4.5	2

6	Differential Sensitivity of the Protein Translation Initiation Machinery and mTOR Signaling to Gain- and Loss-of-Function Involves MeCP2 Isoform-Specific Homeostasis in the Brain.. <i>Cells</i> , 2022 , 11,	7.9	1
5	MeCP2 and transcriptional control of eukaryotic gene expression.. <i>European Journal of Cell Biology</i> , 2022 , 101, 151237	6.1	0
4	ISDN2014_0213: Epigenetic regulation of MeCP2 in neural stem cells and adult brain: Implication of therapeutic strategies for MeCP2-related neurodevelopmental disorders. <i>International Journal of Developmental Neuroscience</i> , 2015 , 47, 64-64	2.7	
3	Epigenetics: Chromatin Organization and Function. <i>Cardiac and Vascular Biology</i> , 2016 , 1-35	0.2	
2	ISDN2014_0210: Investigating MeCP2 isoform-specific functions in neurons; Insights on the role of MeCP2 in Rett Syndrome. <i>International Journal of Developmental Neuroscience</i> , 2015 , 47, 62-62	2.7	
1	Epigenetic Analysis of Pluripotent Cells 2010 , 273-288		