Mojgan Rastegar

List of Publications by Year in Descending Order

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	Nanoparticle-based drug delivery systems to overcome gastric cancer drug resistance. *Journal of Drug Delivery Science and Technology*, **2022**, 70, 103231	4.5	2
58	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.. *Cells*, **2022**, 11,	7.9	1
57	MeCP2 and transcriptional control of eukaryotic gene expression.. *European Journal of Cell Biology*, **2022**, 101, 151237	6.1	0
56	Role of DNA Methyl-CpG-Binding Protein MeCP2 in Rett Syndrome Pathobiology and Mechanism of Disease. *Biomolecules*, **2021**, 11,	5.9	9
55	Transcriptional Regulation of Isoforms and by Metformin and Simvastatin through Analyzing Nascent RNA Synthesis in a Human Brain Cell Line. *Biomolecules*, **2021**, 11,	5.9	2
54	Recent advances in FRET-Based biosensors for biomedical applications. *Analytical Biochemistry*, **2021**, 630, 114323	3.1	13
53	Differential brain region-specific expression of MeCP2 and BDNF in Rett Syndrome patients: a distinct grey-white matter variation. *Neuropathology and Applied Neurobiology*, **2020**, 46, 735-750	5.2	11
52	Ubiquitin ligases and medulloblastoma: genetic markers of the four consensus subgroups identified through transcriptome datasets. *Biochimica Et Biophysica Acta - Molecular Basis of Disease* , **2020**, 1866, 165839	6.9	2
51	The MeCP2E1/E2-BDNF- Homeostasis Regulatory Network Is Region-Dependent in the Human Brain and Is Impaired in Rett Syndrome Patients. *Frontiers in Cell and Developmental Biology*, **2020**, 8, 763	5.7	9
50	Chronic Ethanol Exposure Alters DNA Methylation in Neural Stem Cells: Role of Mouse Strain and Sex. *Molecular Neurobiology*, **2020**, 57, 650-667	6.2	16
49	Genome-Wide Transcriptome Landscape of Embryonic Brain-Derived Neural Stem Cells Exposed to Alcohol with Strain-Specific Cross-Examination in BL6 and CD1 Mice. *Scientific Reports*, **2019**, 9, 206	4.9	15
48	DNA Methylation Contributes to the Differential Expression Levels of in Male Mice Neurons and Astrocytes. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	17
47	Simvastatin Induces Apoptosis in Medulloblastoma Brain Tumor Cells via Mevalonate Cascade Prenylation Substrates. *Cancers*, **2019**, 11,	6.6	30
46	The multiple functions of melatonin in regenerative medicine. *Ageing Research Reviews*, **2018**, 45, 33-52	12	44
45	Mutation Interrupts Nucleolin-mTOR-P70S6K Signaling in Rett Syndrome Patients. *Frontiers in Genetics*, **2018**, 9, 635	4.5	22
44	Protective effects of gabapentin against the seizure susceptibility and comorbid behavioral abnormalities in the early socially isolated mice. *European Journal of Pharmacology*, **2017**, 797, 106-114	5.3	7
43	Oxytocin mitigated the depressive-like behaviors of maternal separation stress through modulating mitochondrial function and neuroinflammation. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **2017**, 76, 169-178	5.5	74

42	Experiencing neonatal maternal separation increased pain sensitivity in adult male mice: Involvement of oxytocinergic system. *Neuropeptides*, **2017**, 61, 77-85	3.3	23
41	Epigenetics and Cerebellar Neurodevelopmental Disorders **2017**, 197-218		5
40	Streptozotocin induced oxidative stress, innate immune system responses and behavioral abnormalities in male mice. *Neuroscience*, **2017**, 340, 373-383	3.9	30
39	Overview of the Genetic Basis and Epigenetic Mechanisms that Contribute to FASD Pathobiology. *Current Topics in Medicinal Chemistry*, **2017**, 17, 808-828	3	28
38	Epigenetics: Chromatin Organization and Function. *Cardiac and Vascular Biology*, **2016**, 1-35	0.2	
37	Attenuation of oxidative and nitrosative stress in cortical area associates with antidepressant-like effects of tropisetron in male mice following social isolation stress. *Brain Research Bulletin*, **2016**, 124, 150-63	3.9	36
36	NMDA receptors are involved in the antidepressant-like effects of capsaicin following amphetamine withdrawal in male mice. *Neuroscience*, **2016**, 329, 122-33	3.9	20
35	Lithium attenuates the proconvulsant effect of adolescent social isolation stress via involvement of the nitrergic system. *Epilepsy and Behavior*, **2016**, 61, 6-13	3.2	11
34	Involvement of D1 and D2 dopamine receptors in the antidepressant-like effects of selegiline in maternal separation model of mouse. *Physiology and Behavior*, **2016**, 163, 107-114	3.5	39
33	Perturbation of redox balance after thioredoxin reductase deficiency interrupts autophagy-lysosomal degradation pathway and enhances cell death in nutritionally stressed SH-SY5Y cells. *Free Radical Biology and Medicine*, **2016**, 101, 53-70	7.8	21
32	ISDN2014_0213: Epigenetic regulation of MeCP2 in neural stem cells and adult brain: Implication of therapeutic strategies for MeCP2-related neurodevelopmental disorders. *International Journal of Developmental Neuroscience*, **2015**, 47, 64-64	2.7	
31	ISDN2014_0210: Investigating MeCP2 isoform-specific functions in neurons; Insights on the role of MeCP2 in Rett Syndrome. *International Journal of Developmental Neuroscience*, **2015**, 47, 62-62	2.7	
30	Ethanol deregulates Mecp2/MeCP2 in differentiating neural stem cells via interplay between 5-methylcytosine and 5-hydroxymethylcytosine at the Mecp2 regulatory elements. *Experimental Neurology*, **2015**, 265, 102-17	5.7	34
29	Mice with an isoform-ablating Mecp2 exon 1 mutation recapitulate the neurologic deficits of Rett syndrome. *Human Molecular Genetics*, **2014**, 23, 2447-58	5.6	50
28	Rett syndrome and MeCP2. *NeuroMolecular Medicine*, **2014**, 16, 231-64	4.6	84
27	DNA modifications: function and applications in normal and disease States. *Biology*, **2014**, 3, 670-723	4.9	89
26	Cellular commitment in the developing cerebellum. *Frontiers in Cellular Neuroscience*, **2014**, 8, 450	6.1	110
25	Brain region-specific expression of MeCP2 isoforms correlates with DNA methylation within Mecp2 regulatory elements. *PLoS ONE*, **2014**, 9, e90645	3.7	58

24	MeCP2-Related Diseases and Animal Models. *Diseases (Basel, Switzerland)*, **2014**, 2, 45-70	4.4	31
23	Mice with an isoform-ablating Mecp2 exon 1 mutation recapitulate the neurologic deficits of Rett syndrome. *Human Molecular Genetics*, **2014**, 23, 6695-6695	5.6	5
22	Dynamic expression of MEIS1 homeoprotein in E14.5 forebrain and differentiated forebrain-derived neural stem cells. *Annals of Anatomy*, **2013**, 195, 431-40	2.9	31
21	Decitabine alters the expression of Mecp2 isoforms via dynamic DNA methylation at the Mecp2 regulatory elements in neural stem cells. *Molecular Autism*, **2013**, 4, 46	6.5	35
20	Loss of HLTF function promotes intestinal carcinogenesis. *Molecular Cancer*, **2012**, 11, 18	42.1	31
19	Novel MeCP2 isoform-specific antibody reveals the endogenous MeCP2E1 expression in murine brain, primary neurons and astrocytes. *PLoS ONE*, **2012**, 7, e49763	3.7	49
18	The genetic and epigenetic journey of embryonic stem cells into mature neural cells. *Frontiers in Genetics*, **2012**, 3, 81	4.5	39
17	Linking epigenetics to human disease and Rett syndrome: the emerging novel and challenging concepts in MeCP2 research. *Neural Plasticity*, **2012**, 2012, 415825	3.3	56
16	Epigenetic Analysis of Pluripotent Cells **2010**, 273-288		
15	Epigenetic control of Hox genes during neurogenesis, development, and disease. *Annals of Anatomy*, **2010**, 192, 261-74	2.9	73
14	MECP2 isoform-specific vectors with regulated expression for Rett syndrome gene therapy. *PLoS ONE*, **2009**, 4, e6810	3.7	55
13	Epigenetic control. *Journal of Cellular Physiology*, **2009**, 219, 243-50	7	253
12	Retrovirus silencing by an epigenetic TRIM. *Cell*, **2007**, 131, 13-4	56.2	22
11	Interplay between chromatin and trans-acting factors regulating the Hoxd4 promoter during neural differentiation. *Journal of Biological Chemistry*, **2006**, 281, 25926-39	5.4	38
10	Stereospecificity and PAX6 function direct Hoxd4 neural enhancer activity along the antero-posterior axis. *Developmental Biology*, **2006**, 299, 582-93	3.1	41
9	MEIS C termini harbor transcriptional activation domains that respond to cell signaling. *Journal of Biological Chemistry*, **2005**, 280, 10119-27	5.4	60
8	Sequential histone modifications at Hoxd4 regulatory regions distinguish anterior from posterior embryonic compartments. *Molecular and Cellular Biology*, **2004**, 24, 8090-103	4.8	60
7	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. *International Journal of Cancer*, **2003**, 103, 316-27	7.5	33

6	Proteinase-3, a serine protease which mediates doxorubicin-induced apoptosis in the HL-60 leukemia cell line, is downregulated in its doxorubicin-resistant variant. *Oncogene*, **2002**, 21, 5160-74	9.2	18
5	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. *Oncogene*, **2001**, 20, 7006-20	9.2	25
4	CCAAT/enhancer-binding protein-alpha is a component of the growth hormone-regulated network of liver transcription factors. *Endocrinology*, **2000**, 141, 1686-92	4.8	39
3	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. *Molecular Endocrinology*, **2000**, 14, 285-94		102
2	Control of gene expression by growth hormone in liver: key role of a network of transcription factors. *Molecular and Cellular Endocrinology*, **2000**, 164, 1-4	4.4	34
1	Hepatocyte nuclear factor 6: organization and chromosomal assignment of the rat gene and characterization of its promoter. *Biochemical Journal*, **1998**, 334 (Pt 3), 565-9	3.8	24