

# Assam El-Osta

## List of Publications by Year in Descending Order

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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.

190  
papers

10,391  
citations

54  
h-index

97  
g-index

210  
ext. papers

12,141  
ext. citations

7.2  
avg, IF

6.45  
L-index

#	Paper	IF	Citations
190	Processed foods drive intestinal barrier permeability and microvascular diseases. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	27
189	SAHA attenuates Takotsubo-like myocardial injury by targeting an epigenetic Ac/Dc axis. <i>Signal Transduction and Targeted Therapy</i> , <b>2021</b> , 6, 159	21	2
188	Sex-Specific Control of Human Heart Maturation by the Progesterone Receptor. <i>Circulation</i> , <b>2021</b> , 143, 1614-1628	16.7	6
187	Yap regulates skeletal muscle fatty acid oxidation and adiposity in metabolic disease. <i>Nature Communications</i> , <b>2021</b> , 12, 2887	17.4	3
186	Atypical Diabetes Mellitus Associated With Kabuki Syndrome: A Model of Epigenetic Disturbance in Insulin Resistance?. <i>Journal of the Endocrine Society</i> , <b>2021</b> , 5, A369-A369	0.4	78
185	The circadian syndrome predicts cardiovascular disease better than metabolic syndrome in Chinese adults. <i>Journal of Internal Medicine</i> , <b>2021</b> , 289, 851-860	10.8	5
184	DNA methylation status correlates with adult cell regeneration capacity. <i>Npj Regenerative Medicine</i> , <b>2021</b> , 6, 7	15.8	1
183	Epigenetic evidence of an Ac/Dc axis by VPA and SAHA. <i>Clinical Epigenetics</i> , <b>2021</b> , 13, 58	7.7	4
182	Prolonged Honeymoon Period in a Thai Patient with Adult-Onset Type 1 Diabetes Mellitus. <i>Case Reports in Endocrinology</i> , <b>2021</b> , 2021, 3511281	1.2	0
181	Valproic acid influences the expression of genes implicated with hyperglycaemia-induced complement and coagulation pathways. <i>Scientific Reports</i> , <b>2021</b> , 11, 2163	4.9	7
180	Transient Intermittent Hyperglycemia Accelerates Atherosclerosis by Promoting Myelopoiesis. <i>Circulation Research</i> , <b>2020</b> , 127, 877-892	15.7	35
179	Targeting Treatment Refractory by EZH2 Inhibition in Postural Tachycardia Syndrome. <i>Circulation Research</i> , <b>2020</b> , 126, 1058-1060	15.7	1
178	DNA methylation patterns from peripheral blood separate coronary artery disease patients with and without heart failure. <i>ESC Heart Failure</i> , <b>2020</b> , 7, 2468-2478	3.7	5
177	Deficiency of Prebiotic Fiber and Insufficient Signaling Through Gut Metabolite-Sensing Receptors Leads to Cardiovascular Disease. <i>Circulation</i> , <b>2020</b> , 141, 1393-1403	16.7	58
176	Clinical Characteristics, Residual Beta-Cell Function and Pancreatic Auto-Antibodies in Thai people with Long-Standing Type 1 Diabetes Mellitus. <i>Journal of the ASEAN Federation of Endocrine Societies</i> , <b>2020</b> , 35, 158-162	0.5	0
175	Clinical Characteristics, Residual Beta-Cell Function and Pancreatic Auto-Antibodies in Thai people with Long-Standing Type 1 Diabetes Mellitus. <i>Journal of the ASEAN Federation of Endocrine Societies</i> , <b>2020</b> , 35, 158-162	0.5	
174	Complement C5a Induces Renal Injury in Diabetic Kidney Disease by Disrupting Mitochondrial Metabolic Agility. <i>Diabetes</i> , <b>2020</b> , 69, 83-98	0.9	20

173	Chinese Famine and the diabetes mellitus epidemic. <i>Nature Reviews Endocrinology</i> , <b>2020</b> , 16, 123	15.2	4
172	The Set7 Lysine Methyltransferase Regulates Plasticity in Oxidative Phosphorylation Necessary for Trained Immunity Induced by $\beta$ Glucan. <i>Cell Reports</i> , <b>2020</b> , 31, 107548	10.6	34
171	RNA-seq-based identification of Star upregulation by islet amyloid formation. <i>Protein Engineering, Design and Selection</i> , <b>2019</b> , 32, 67-76	1.9	2
170	Epigenetics, cardiovascular disease, and cellular reprogramming. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2019</b> , 128, 129-133	5.8	16
169	Dysregulation of the cohesin subunit RAD21 by Hepatitis C virus mediates host-virus interactions. <i>Nucleic Acids Research</i> , <b>2019</b> , 47, 2455-2471	20.1	3
168	Hepatitis C virus leaves an epigenetic signature post cure of infection by direct-acting antivirals. <i>PLoS Genetics</i> , <b>2019</b> , 15, e1008181	6	60
167	Genomic DNA methylation distinguishes subtypes of human focal cortical dysplasia. <i>Epilepsia</i> , <b>2019</b> , 60, 1091-1103	6.4	29
166	The Circadian Syndrome: is the Metabolic Syndrome and much more!. <i>Journal of Internal Medicine</i> , <b>2019</b> , 286, 181-191	10.8	77
165	Evaluation of genomic methylation indices in juvenile myoclonic epilepsy. <i>Epilepsia</i> , <b>2019</b> , 60, e37-e39	6.4	
164	Digital expression explorer 2: a repository of uniformly processed RNA sequencing data. <i>GigaScience</i> , <b>2019</b> , 8,	7.6	25
163	Sex-Based Mhrt Methylation Chromatinizes MeCP2 in the Heart. <i>IScience</i> , <b>2019</b> , 17, 288-301	6.1	5
162	Silencing Lysine-Specific Histone Demethylase 1 (LSD1) Causes Increased HP1-Positive Chromatin, Stimulation of DNA Repair Processes, and Dysregulation of Proliferation by Chk1 Phosphorylation in Human Endothelial Cells. <i>Cells</i> , <b>2019</b> , 8,	7.9	8
161	Galectin-3 deficiency ameliorates fibrosis and remodeling in dilated cardiomyopathy mice with enhanced Mst1 signaling. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2019</b> , 316, H45-H60	5.2	28
160	Lipoxins Regulate the Early Growth Response-1 Network and Reverse Diabetic Kidney Disease. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2018</b> , 29, 1437-1448	12.7	32
159	Metabolic Karma-The Atherogenic Legacy of Diabetes: The 2017 Edwin Bierman Award Lecture. <i>Diabetes</i> , <b>2018</b> , 67, 785-790	0.9	15
158	RAGE Deletion Confers Renoprotection by Reducing Responsiveness to Transforming Growth Factor- $\beta$ and Increasing Resistance to Apoptosis. <i>Diabetes</i> , <b>2018</b> , 67, 960-973	0.9	9
157	Epigenetic Contribution to the Development and Progression of Vascular Diabetic Complications. <i>Antioxidants and Redox Signaling</i> , <b>2018</b> , 29, 1074-1091	8.4	6
156	Transcription factors Tp73, Cebp $\delta$ , Pax6, and Spi1 rather than DNA methylation regulate chronic transcriptomics changes after experimental traumatic brain injury. <i>Acta Neuropathologica Communications</i> , <b>2018</b> , 6, 17	7.3	18

155	Epigenetics and precision medicine in cardiovascular patients: from basic concepts to the clinical arena. <i>European Heart Journal</i> , <b>2018</b> , 39, 4150-4158	9.5	49
154	Age-Related Differential Structural and Transcriptomic Responses in the Hypertensive Heart. <i>Frontiers in Physiology</i> , <b>2018</b> , 9, 817	4.6	6
153	Diet during Pregnancy is Implicated in the Regulation of Hypothalamic RNA Methylation and Risk of Obesity in Offspring. <i>Molecular Nutrition and Food Research</i> , <b>2018</b> , 62, e1800134	5.9	8
152	Epigenetics in diabetic nephropathy, immunity and metabolism. <i>Diabetologia</i> , <b>2018</b> , 61, 6-20	10.3	47
151	Epidemic T2DM, early development and epigenetics: implications of the Chinese Famine. <i>Nature Reviews Endocrinology</i> , <b>2018</b> , 14, 738-746	15.2	58
150	Epigenomic changes associated with impaired norepinephrine transporter function in postural tachycardia syndrome. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2017</b> , 74, 342-355	9	6
149	Hypothalamic gene expression is regulated by DNA methylation linking parental diet during pregnancy to offspring risk of obesity in psammomys obesus. <i>Pathology</i> , <b>2017</b> , 49, S103-S104	1.6	1
148	High-Fiber Diet and Acetate Supplementation Change the Gut Microbiota and Prevent the Development of Hypertension and Heart Failure in Hypertensive Mice. <i>Circulation</i> , <b>2017</b> , 135, 964-977	16.7	415
147	Systems approach to the pharmacological actions of HDAC inhibitors reveals EP300 activities and convergent mechanisms of regulation in diabetes. <i>Epigenetics</i> , <b>2017</b> , 12, 991-1003	5.7	16
146	Epigenetic programming, early life nutrition and the risk of metabolic disease. <i>Atherosclerosis</i> , <b>2017</b> , 266, 31-40	3.1	72
145	Multicellular Transcriptional Analysis of Mammalian Heart Regeneration. <i>Circulation</i> , <b>2017</b> , 136, 1123-1130	10.7	145
144	Metabolism and chromatin dynamics in health and disease. <i>Molecular Aspects of Medicine</i> , <b>2017</b> , 54, 1-15	16.7	13
143	MeCP2 interacts with chromosomal microRNAs in brain. <i>Epigenetics</i> , <b>2017</b> , 12, 1028-1037	5.7	12
142	The diabetes epidemic in China is a public health emergency: the potential role of prenatal exposure. <i>Journal of Public Health and Emergency</i> , <b>2017</b> , 1, 80-80	1.3	2
141	silencing by in postural tachycardia syndrome. <i>JCI Insight</i> , <b>2017</b> , 2, e90183	9.9	15
140	Pharmacological Histone Deacetylation Distinguishes Transcriptional Regulators. <i>Current Topics in Medicinal Chemistry</i> , <b>2017</b> , 17, 1611-1622	3	8
139	Gene name errors are widespread in the scientific literature. <i>Genome Biology</i> , <b>2016</b> , 17, 177	18.3	70
138	Set7 mediated interactions regulate transcriptional networks in embryonic stem cells. <i>Nucleic Acids Research</i> , <b>2016</b> , 44, 9206-9217	20.1	10

137	Etiology matters - Genomic DNA Methylation Patterns in Three Rat Models of Acquired Epilepsy. <i>Scientific Reports</i> , <b>2016</b> , 6, 25668	4.9	61
136	Evaluation of microRNA alignment techniques. <i>Rna</i> , <b>2016</b> , 22, 1120-38	5.8	37
135	Improving understanding of chromatin regulatory proteins and potential implications for drug discovery. <i>Expert Review of Proteomics</i> , <b>2016</b> , 13, 435-45	4.2	2
134	Reactive Oxygen Species Can Provide Atheroprotection via NOX4-Dependent Inhibition of Inflammation and Vascular Remodeling. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2016</b> , 36, 295-307	9.4	109
133	Genetics and Epigenetics in Cardiac Psychology <b>2016</b> , 789-805		
132	HDAC Inhibition in Vascular Endothelial Cells Regulates the Expression of ncRNAs. <i>Non-coding RNA</i> , <b>2016</b> , 2,	7.1	12
131	Current perspectives in Set7 mediated stem cell differentiation. <i>Non-coding RNA</i> , <b>2016</b> , 2,	7.1	1
130	Epigenetic Changes in Diabetes and Cardiovascular Risk. <i>Circulation Research</i> , <b>2016</b> , 118, 1706-22	15.7	76
129	DNA methylation regulates hypothalamic gene expression linking parental diet during pregnancy to the offspring's risk of obesity in Psammomys obesus. <i>International Journal of Obesity</i> , <b>2016</b> , 40, 1079-88	5.5	8
128	Pharmacological inhibition of arginine and lysine methyltransferases induces nuclear abnormalities and suppresses angiogenesis in human endothelial cells. <i>Biochemical Pharmacology</i> , <b>2016</b> , 121, 18-32	6	13
127	Epigenetics and metabolism. <i>Circulation Research</i> , <b>2015</b> , 116, 715-36	15.7	189
126	Pathological hypertrophy reverses $\beta$ -adrenergic receptor-induced angiogenesis in mouse heart. <i>Physiological Reports</i> , <b>2015</b> , 3, e12340	2.6	3
125	Current Advances in Noncoding RNA Relevant to Epigenetic Mechanisms. <i>Current Molecular Biology Reports</i> , <b>2015</b> , 1, 29-38	2	
124	HDAC inhibition attenuates cardiac hypertrophy by acetylation and deacetylation of target genes. <i>Epigenetics</i> , <b>2015</b> , 10, 418-30	5.7	83
123	Dynamic changes in the cardiac methylome during postnatal development. <i>FASEB Journal</i> , <b>2015</b> , 29, 1329-43	0.9	47
122	Development of novel activin-targeted therapeutics. <i>Molecular Therapy</i> , <b>2015</b> , 23, 434-44	11.7	40
121	RNA sequencing supports distinct reactive oxygen species-mediated pathways of apoptosis by high and low size mass fractions of Bay leaf ( <i>Lauris nobilis</i> ) in HT-29 cells. <i>Food and Function</i> , <b>2015</b> , 6, 2507-24	6.1	8
120	Epigenetic-mediated reprogramming of pancreatic endocrine cells. <i>Antioxidants and Redox Signaling</i> , <b>2015</b> , 22, 1483-95	8.4	2

119 Genetics and Epigenetics in Cardiac Psychology **2015**, 1-17

118 Vascular histone deacetylation by pharmacological HDAC inhibition. *Genome Research*, **2014**, 24, 1271-84,7 64

117 Maternal overnutrition programs changes in the expression of skeletal muscle genes that are associated with insulin resistance and defects of oxidative phosphorylation in adult male rat offspring. *Journal of Nutrition*, **2014**, 144, 237-44 4.1 49

116 Genetic variants within the second intron of the KCNQ1 gene affect CTCF binding and confer a risk of Beckwith-Wiedemann syndrome upon maternal transmission. *Journal of Medical Genetics*, **2014**, 51, 502-11 5.8 12

115 Deep sequencing reveals novel Set7 networks. *Cellular and Molecular Life Sciences*, **2014**, 71, 4471-86 10.3 23

114 Genetic targeting or pharmacologic inhibition of NADPH oxidase nox4 provides renoprotection in long-term diabetic nephropathy. *Journal of the American Society of Nephrology: JASN*, **2014**, 25, 1237-54 12.7 246

113 Endothelial transcriptome in response to pharmacological methyltransferase inhibition. *ChemMedChem*, **2014**, 9, 1755-62 3.7 8

112 Chromatin modifications remodel cardiac gene expression. *Cardiovascular Research*, **2014**, 103, 7-16 9.9 42

111 Interplay of chromatin modifications and non-coding RNAs in the heart. *Epigenetics*, **2014**, 9, 101-12 5.7 28

110 The primary microRNA-208b interacts with Polycomb-group protein, Ezh2, to regulate gene expression in the heart. *Nucleic Acids Research*, **2014**, 42, 790-803 20.1 47

109 Non-referenced genome assembly from epigenomic short-read data. *Epigenetics*, **2014**, 9, 1329-38 5.7 3

108 Rapid development of non-alcoholic steatohepatitis in *Psammomys obesus* (Israeli sand rat). *PLoS ONE*, **2014**, 9, e92656 3.7 18

107 Glycemic memories and the epigenetic component of diabetic nephropathy. *Current Diabetes Reports*, **2013**, 13, 574-81 5.6 42

106 Applicability of histone deacetylase inhibition for the treatment of spinal muscular atrophy. *Neurotherapeutics*, **2013**, 10, 677-87 6.4 10

105 Deep sequencing reveals increased DNA methylation in chronic rat epilepsy. *Acta Neuropathologica*, **2013**, 126, 741-56 14.3 134

104 Epigenetic changes in diabetes. *Clinical Genetics*, **2013**, 84, 1-10 4 66

103 Analysis of the barley leaf transcriptome under salinity stress using mRNA-Seq. *Acta Physiologiae Plantarum*, **2013**, 35, 1915-1924 2.6 30

102 The methylation hypothesis of pharmacoresistance in epilepsy. *Epilepsia*, **2013**, 54 Suppl 2, 41-7 6.4 68

101	Transcriptional regulation by the Set7 lysine methyltransferase. <i>Epigenetics</i> , <b>2013</b> , 8, 361-72	5.7	51
100	NADPH oxidase 1 plays a key role in diabetes mellitus-accelerated atherosclerosis. <i>Circulation</i> , <b>2013</b> , 127, 1888-902	16.7	273
99	Chromatin context and ncRNA highlight targets of MeCP2 in brain. <i>RNA Biology</i> , <b>2013</b> , 10, 1741-57	4.8	40
98	Ubiquitin-specific protease 2-69 in macrophages potentially modulates metaflammation. <i>FASEB Journal</i> , <b>2013</b> , 27, 4940-53	0.9	24
97	Methylation of the SLC6a2 gene promoter in major depression and panic disorder. <i>PLoS ONE</i> , <b>2013</b> , 8, e83223	3.7	30
96	Immunomodulatory effects of histone deacetylase inhibitors. <i>Current Molecular Medicine</i> , <b>2013</b> , 13, 640-7.5	3.5	38
95	Motif analysis in DNase hypersensitivity regions uncovers distal cis elements associated with gene expression. <i>Bioinformatics</i> , <b>2013</b> , 9, 212-5	1.1	1
94	Epigenetic mechanisms in the pathogenesis of diabetic foot ulcers. <i>Journal of Diabetes and Its Complications</i> , <b>2012</b> , 26, 554-61	3.2	17
93	A pipeline for the identification and characterization of chromatin modifications derived from CHIP-Seq datasets. <i>Biochimie</i> , <b>2012</b> , 94, 2353-9	4.6	5
92	Influence of natural and synthetic histone deacetylase inhibitors on chromatin. <i>Antioxidants and Redox Signaling</i> , <b>2012</b> , 17, 340-54	8.4	10
91	Role of histone acetylation in the stimulatory effect of valproic acid on vascular endothelial tissue-type plasminogen activator expression. <i>PLoS ONE</i> , <b>2012</b> , 7, e31573	3.7	34
90	Effects of the histone deacetylase inhibitor, trichostatin A, in a chronic allergic airways disease model in mice. <i>Archivum Immunologiae Et Therapiae Experimentalis</i> , <b>2012</b> , 60, 295-306	4	23
89	Investigation into the biological properties of the olive polyphenol, hydroxytyrosol: mechanistic insights by genome-wide mRNA-Seq analysis. <i>Genes and Nutrition</i> , <b>2012</b> , 7, 343-55	4.3	34
88	Chromatin modifications associated with diabetes. <i>Journal of Cardiovascular Translational Research</i> , <b>2012</b> , 5, 399-412	3.3	29
87	Molecular model of naphthalene-induced DNA damage in the murine lung. <i>Human and Experimental Toxicology</i> , <b>2012</b> , 31, 42-50	3.4	9
86	Glycemic memory. <i>Current Opinion in Lipidology</i> , <b>2012</b> , 23, 24-9	4.4	34
85	Distinguishing hyperglycemic changes by Set7 in vascular endothelial cells. <i>Circulation Research</i> , <b>2012</b> , 110, 1067-76	15.7	121
84	Microparticles: major transport vehicles for distinct microRNAs in circulation. <i>Cardiovascular Research</i> , <b>2012</b> , 93, 633-44	9.9	354



83	Epigenetic modification of the norepinephrine transporter gene in postural tachycardia syndrome. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2012</b> , 32, 1910-6	9.4	42
82	Contraction-induced interleukin-6 gene transcription in skeletal muscle is regulated by c-Jun terminal kinase/activator protein-1. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 10771-9	5.4	73
81	Systeme IGF et croissance fœtale <b>2012</b> , 97-108		
80	Phosphoinositide 3-kinase as a novel functional target for the regulation of the insulin signaling pathway by SIRT1. <i>Molecular and Cellular Endocrinology</i> , <b>2011</b> , 335, 166-76	4.4	94
79	Clonogenic assay: adherent cells. <i>Journal of Visualized Experiments</i> , <b>2011</b> ,	1.6	94
78	Utility of $\gamma$ H2AX as a molecular marker of DNA double-strand breaks in nuclear medicine: applications to radionuclide therapy employing auger electron-emitting isotopes. <i>Current Radiopharmaceuticals</i> , <b>2011</b> , 4, 59-67	1.8	14
77	Genetic and epigenetic events in diabetic wound healing. <i>International Wound Journal</i> , <b>2011</b> , 8, 12-21	2.6	41
76	Chromatin modifying agents - the cutting edge of anticancer therapy. <i>Drug Discovery Today</i> , <b>2011</b> , 16, 543-7	8.8	29
75	Double-strand breaks and the concept of short- and long-term epigenetic memory. <i>Chromosoma</i> , <b>2011</b> , 120, 129-49	2.8	14
74	Histone deacetylase inhibitors augment doxorubicin-induced DNA damage in cardiomyocytes. <i>Cellular and Molecular Life Sciences</i> , <b>2011</b> , 68, 4101-14	10.3	19
73	Evaluation of the efficacy of radiation-modifying compounds using $\gamma$ H2AX as a molecular marker of DNA double-strand breaks. <i>Genome Integrity</i> , <b>2011</b> , 2, 3	0.8	20
72	New insights into the pathogenesis of Beckwith-Wiedemann and Silver-Russell syndromes: contribution of small copy number variations to 11p15 imprinting defects. <i>Human Mutation</i> , <b>2011</b> , 32, 1171-82	4.7	46
71	Genome-wide analysis distinguishes hyperglycemia regulated epigenetic signatures of primary vascular cells. <i>Genome Research</i> , <b>2011</b> , 21, 1601-15	9.7	166
70	Epigenetic and genetic mechanisms of abnormal 11p15 genomic imprinting in Silver-Russell and Beckwith-Wiedemann syndromes. <i>Current Medicinal Chemistry</i> , <b>2011</b> , 18, 1740-50	4.3	24
69	Genetic examination of SETD7 and SUV39H1/H2 methyltransferases and the risk of diabetes complications in patients with type 1 diabetes. <i>Diabetes</i> , <b>2011</b> , 60, 3073-80	0.9	49
68	Cardiac genes show contextual SWI/SNF interactions with distinguishable gene activities. <i>Epigenetics</i> , <b>2011</b> , 6, 760-8	5.7	25
67	Remodeling is at the heart of chromatin: the heartaches of chromatin. <i>Epigenetics</i> , <b>2011</b> , 6, 884-7	5.7	4
66	Protective effects of valproic acid against airway hyperresponsiveness and airway remodeling in a mouse model of allergic airways disease. <i>Epigenetics</i> , <b>2011</b> , 6, 1463-70	5.7	19



65	gammaH2AX: a sensitive molecular marker of DNA damage and repair. <i>Leukemia</i> , <b>2010</b> , 24, 679-86	10.7	717
64	Alleviating transcriptional inhibition of the norepinephrine slc6a2 transporter gene in depolarized neurons. <i>Journal of Neuroscience</i> , <b>2010</b> , 30, 1494-501	6.6	23
63	Atherogenic factors and their epigenetic relationships. <i>International Journal of Vascular Medicine</i> , <b>2010</b> , 2010, 437809	1.2	9
62	Cardiac ventricular chambers are epigenetically distinguishable. <i>Cell Cycle</i> , <b>2010</b> , 9, 612-7	4.7	38
61	Analysis of the IGF2/H19 imprinting control region uncovers new genetic defects, including mutations of OCT-binding sequences, in patients with 11p15 fetal growth disorders. <i>Human Molecular Genetics</i> , <b>2010</b> , 19, 803-14	5.6	98
60	Histone modifications regulate the norepinephrine transporter gene. <i>Cell Cycle</i> , <b>2010</b> , 9, 4600-1	4.7	14
59	GammaH2AX as a molecular marker of aging and disease. <i>Epigenetics</i> , <b>2010</b> , 5, 129-36	5.7	97
58	Evaluation of the spatial distribution of gammaH2AX following ionizing radiation. <i>Journal of Visualized Experiments</i> , <b>2010</b> ,	1.6	6
57	Metabolic memory and diabetic nephropathy: potential role for epigenetic mechanisms. <i>Nature Reviews Nephrology</i> , <b>2010</b> , 6, 332-41	14.9	90
56	Epigenetic regulation of multidrug resistance 1 gene expression: profiling CpG methylation status using bisulphite sequencing. <i>Methods in Molecular Biology</i> , <b>2010</b> , 596, 183-98	1.4	17
55	Epigenetic phenomena linked to diabetic complications. <i>Nature Reviews Endocrinology</i> , <b>2010</b> , 6, 665-75	15.2	170
54	Epigenetics: mechanisms and implications for diabetic complications. <i>Circulation Research</i> , <b>2010</b> , 107, 1403-13	15.7	157
53	Quantitation of gammaH2AX foci in tissue samples. <i>Journal of Visualized Experiments</i> , <b>2010</b> ,	1.6	4
52	Quantification of gammaH2AX foci in response to ionising radiation. <i>Journal of Visualized Experiments</i> , <b>2010</b> ,	1.6	15
51	gamma-radiation-induced gammaH2AX formation occurs preferentially in actively transcribing euchromatic loci. <i>Cellular and Molecular Life Sciences</i> , <b>2010</b> , 67, 291-4	10.3	25
50	Downstream targets of methyl CpG binding protein 2 and their abnormal expression in the frontal cortex of the human Rett syndrome brain. <i>BMC Neuroscience</i> , <b>2010</b> , 11, 53	3.2	71
49	Glycemic memory associated epigenetic changes. <i>Biochemical Pharmacology</i> , <b>2010</b> , 80, 1853-9	6	73
48	Trichostatin A accentuates doxorubicin-induced hypertrophy in cardiac myocytes. <i>Aging</i> , <b>2010</b> , 2, 659-68	5.6	34

47	Hyperglycemia induces a dynamic cooperativity of histone methylase and demethylase enzymes associated with gene-activating epigenetic marks that coexist on the lysine tail. <i>Diabetes</i> , <b>2009</b> , 58, 1229-36	0.9	399
46	Survival motor neuron gene 2 silencing by DNA methylation correlates with spinal muscular atrophy disease severity and can be bypassed by histone deacetylase inhibition. <i>Human Molecular Genetics</i> , <b>2009</b> , 18, 304-17	5.6	98
45	The emerging role of epigenetic modifications and chromatin remodeling in spinal muscular atrophy. <i>Journal of Neurochemistry</i> , <b>2009</b> , 109, 1557-69	6	25
44	Epigenetic regulation and fetal programming. <i>Best Practice and Research in Clinical Endocrinology and Metabolism</i> , <b>2008</b> , 22, 1-16	6.5	103
43	Transient high glucose causes persistent epigenetic changes and altered gene expression during subsequent normoglycemia. <i>Journal of Experimental Medicine</i> , <b>2008</b> , 205, 2409-17	16.6	784
42	Transient high glucose causes persistent epigenetic changes and altered gene expression during subsequent normoglycemia. <i>Journal of Experimental Medicine</i> , <b>2008</b> , 205, 2683-2683	16.6	10
41	Effect of valproic acid on radiation-induced DNA damage in euchromatic and heterochromatic compartments. <i>Cell Cycle</i> , <b>2008</b> , 7, 468-76	4.7	40
40	Human sympathetic nerve biology: parallel influences of stress and epigenetics in essential hypertension and panic disorder. <i>Annals of the New York Academy of Sciences</i> , <b>2008</b> , 1148, 338-48	6.5	71
39	Disparity of histone deacetylase inhibition on repair of radiation-induced DNA damage on euchromatin and constitutive heterochromatin compartments. <i>Oncogene</i> , <b>2007</b> , 26, 3963-71	9.2	61
38	Will broad-spectrum histone deacetylase inhibitors be superseded by more specific compounds?. <i>Leukemia</i> , <b>2007</b> , 21, 61-5	10.7	90
37	Chromatin modifications and DNA double-strand breaks: the current state of play. <i>Leukemia</i> , <b>2007</b> , 21, 195-200	10.7	31
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