

# John S Mattick

## 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.

294  
papers

58,594  
citations

110  
h-index

241  
g-index

323  
ext. papers

66,391  
ext. citations

10  
avg, IF

7.98  
L-index

#	Paper	IF	Citations
294	The potential of long noncoding RNA therapies.. <i>Trends in Pharmacological Sciences</i> , <b>2022</b> ,	13.2	3
293	ADRAM is an experience-dependent long noncoding RNA that drives fear extinction through a direct interaction with the chaperone protein 14-3-3.. <i>Cell Reports</i> , <b>2022</b> , 38, 110546	10.6	0
292	Quantitative profiling of pseudouridylation dynamics in native RNAs with nanopore sequencing. <i>Nature Biotechnology</i> , <b>2021</b> , 39, 1278-1291	44.5	33
291	Subcellular relocalization and nuclear redistribution of the RNA methyltransferases TRMT1 and TRMT1L upon neuronal activation. <i>RNA Biology</i> , <b>2021</b> , 18, 1905-1919	4.8	2
290	High frequency of intron retention and clustered H3K4me3-marked nucleosomes in short first introns of human long non-coding RNAs. <i>Epigenetics and Chromatin</i> , <b>2021</b> , 14, 45	5.8	0
289	Integrative analyses of the RNA modification machinery reveal tissue- and cancer-specific signatures. <i>Genome Biology</i> , <b>2020</b> , 21, 97	18.3	24
288	Structural venomomics reveals evolution of a complex venom by duplication and diversification of an ancient peptide-encoding gene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 11399-11408	11.5	29
287	Impacts of genomics on the health and social costs of intellectual disability. <i>Journal of Medical Genetics</i> , <b>2020</b> , 57, 479-486	5.8	3
286	Type 4 Fimbriae <b>2020</b> , 127-146		20
285	Accurate detection of mA RNA modifications in native RNA sequences. <i>Nature Communications</i> , <b>2019</b> , 10, 4079	17.4	166
284	Targeted, High-Resolution RNA Sequencing of Non-coding Genomic Regions Associated With Neuropsychiatric Functions. <i>Frontiers in Genetics</i> , <b>2019</b> , 10, 309	4.5	16
283	CNS cell type-specific gene profiling of P301S tau transgenic mice identifies genes dysregulated by progressive tau accumulation. <i>Journal of Biological Chemistry</i> , <b>2019</b> , 294, 14149-14162	5.4	6
282	Genetic Variations of Ultraconserved Elements in the Human Genome. <i>OMICS A Journal of Integrative Biology</i> , <b>2019</b> , 23, 549-559	3.8	6
281	Universal Alternative Splicing of Noncoding Exons. <i>Cell Systems</i> , <b>2018</b> , 6, 245-255.e5	10.6	58
280	Whole genome sequencing provides better diagnostic yield and future value than whole exome sequencing. <i>Medical Journal of Australia</i> , <b>2018</b> , 209, 197-199	4	22
279	Adar3 Is Involved in Learning and Memory in Mice. <i>Frontiers in Neuroscience</i> , <b>2018</b> , 12, 243	5.1	33
278	The State of Long Non-Coding RNA Biology. <i>Non-coding RNA</i> , <b>2018</b> , 4,	7.1	39

277	Enhancers active in dopamine neurons are a primary link between genetic variation and neuropsychiatric disease. <i>Nature Neuroscience</i> , <b>2018</b> , 21, 1482-1492	25.5	48
276	The long non-coding RNA NEAT1 is responsive to neuronal activity and is associated with hyperexcitability states. <i>Scientific Reports</i> , <b>2017</b> , 7, 40127	4.9	59
275	Charting the unknown epitranscriptome. <i>Nature Reviews Molecular Cell Biology</i> , <b>2017</b> , 18, 339-340	48.7	30
274	Structural and Functional Annotation of Long Noncoding RNAs. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1526, 65-85	1.4	16
273	Differential intron retention in chromatin modifier genes is implicated in reptile temperature-dependent sex determination. <i>Science Advances</i> , <b>2017</b> , 3, e1700731	14.3	73
272	The Dimensions, Dynamics, and Relevance of the Mammalian Noncoding Transcriptome. <i>Trends in Genetics</i> , <b>2017</b> , 33, 464-478	8.5	110
271	Initiating an undiagnosed diseases program in the Western Australian public health system. <i>Orphanet Journal of Rare Diseases</i> , <b>2017</b> , 12, 83	4.2	18
270	Intergenic disease-associated regions are abundant in novel transcripts. <i>Genome Biology</i> , <b>2017</b> , 18, 241	18.3	27
269	DotAligner: identification and clustering of RNA structure motifs. <i>Genome Biology</i> , <b>2017</b> , 18, 244	18.3	8
268	The RNA modification landscape in human disease. <i>Rna</i> , <b>2017</b> , 23, 1754-1769	5.8	209
267	Improved Diagnosis and Care for Rare Diseases through Implementation of Precision Public Health Framework. <i>Advances in Experimental Medicine and Biology</i> , <b>2017</b> , 1031, 55-94	3.6	13
266	Prioritising the application of genomic medicine. <i>Npj Genomic Medicine</i> , <b>2017</b> , 2, 35	6.2	18
265	The promise of personalised medicine. <i>Lancet, The</i> , <b>2016</b> , 387, 433-4	40	11
264	Seq and You Will Find. <i>Current Gene Therapy</i> , <b>2016</b> , 16, 220-9	4.3	6
263	The Future of Molecular Pathology <b>2016</b> , 349-357		
262	The Evx1/Evx1as gene locus regulates anterior-posterior patterning during gastrulation. <i>Scientific Reports</i> , <b>2016</b> , 6, 26657	4.9	16
261	The Long Noncoding RNA SPRIGHTLY Regulates Cell Proliferation in Primary Human Melanocytes. <i>Journal of Investigative Dermatology</i> , <b>2016</b> , 136, 819-828	4.3	29
260	Improved definition of the mouse transcriptome via targeted RNA sequencing. <i>Genome Research</i> , <b>2016</b> , 26, 705-16	9.7	23

259	RNA Duplex Map in Living Cells Reveals Higher-Order Transcriptome Structure. <i>Cell</i> , <b>2016</b> , 165, 1267-1275	36.2	368
258	Representing genetic variation with synthetic DNA standards. <i>Nature Methods</i> , <b>2016</b> , 13, 784-91	21.6	25
257	Spliced synthetic genes as internal controls in RNA sequencing experiments. <i>Nature Methods</i> , <b>2016</b> , 13, 792-8	21.6	77
256	Quantitative gene profiling of long noncoding RNAs with targeted RNA sequencing. <i>Nature Methods</i> , <b>2015</b> , 12, 339-42	21.6	119
255	Analysis of 13 cell types reveals evidence for the expression of numerous novel primate- and tissue-specific microRNAs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, E1106-15	11.5	307
254	Transpositional shuffling and quality control in male germ cells to enhance evolution of complex organisms. <i>Annals of the New York Academy of Sciences</i> , <b>2015</b> , 1341, 156-63	6.5	7
253	Mechanisms of Long Non-coding RNAs in Mammalian Nervous System Development, Plasticity, Disease, and Evolution. <i>Neuron</i> , <b>2015</b> , 88, 861-877	13.9	275
252	Discovery and annotation of long noncoding RNAs. <i>Nature Structural and Molecular Biology</i> , <b>2015</b> , 22, 5-7	17.6	446
251	Genome-wide discovery of human splicing branchpoints. <i>Genome Research</i> , <b>2015</b> , 25, 290-303	9.7	147
250	Long Noncoding RNA-Directed Epigenetic Regulation of Gene Expression Is Associated With Anxiety-like Behavior in Mice. <i>Biological Psychiatry</i> , <b>2015</b> , 78, 848-59	7.9	81
249	Integrative analysis of 111 reference human epigenomes. <i>Nature</i> , <b>2015</b> , 518, 317-30	50.4	3849
248	The rise of regulatory RNA. <i>Nature Reviews Genetics</i> , <b>2014</b> , 15, 423-37	30.1	897
247	Bioinformatics analysis of transcriptional regulation of circadian genes in rat liver. <i>BMC Bioinformatics</i> , <b>2014</b> , 15, 83	3.6	13
246	Effects of a novel long noncoding RNA, lncUSMycN, on N-Myc expression and neuroblastoma progression. <i>Journal of the National Cancer Institute</i> , <b>2014</b> , 106,	9.7	81
245	Extracellular vesicles from neural stem cells transfer IFN- $\gamma$ via Ifngr1 to activate Stat1 signaling in target cells. <i>Molecular Cell</i> , <b>2014</b> , 56, 193-204	17.6	195
244	The long non-coding RNA Gomafu is acutely regulated in response to neuronal activation and involved in schizophrenia-associated alternative splicing. <i>Molecular Psychiatry</i> , <b>2014</b> , 19, 486-94	15.1	302
243	The impact of genomics on the future of medicine and health. <i>Medical Journal of Australia</i> , <b>2014</b> , 201, 17-20	4	19
242	The functional characterization of long noncoding RNA SPRY4-IT1 in human melanoma cells. <i>Oncotarget</i> , <b>2014</b> , 5, 8959-69	3.3	123

241	Extracellular Vesicles from Neural Stem Cells Transfer IFN- $\gamma$ via Ifngr1 to Activate Stat1 Signaling in Target Cells. <i>Molecular Cell</i> , <b>2014</b> , 56, 609	17.6	2
240	Targeted sequencing for gene discovery and quantification using RNA CaptureSeq. <i>Nature Protocols</i> , <b>2014</b> , 9, 989-1009	18.8	116
239	Topology and dynamics of signaling networks: in search of transcriptional control of the inflammatory response. <i>Annual Review of Biomedical Engineering</i> , <b>2013</b> , 15, 1-28	12	12
238	Saccharopolyspora erythraea genome is organised in high-order transcriptional regions mediated by targeted degradation at the metabolic switch. <i>BMC Genomics</i> , <b>2013</b> , 14, 15	4.5	23
237	Long noncoding RNAs and the genetics of cancer. <i>British Journal of Cancer</i> , <b>2013</b> , 108, 2419-25	8.7	588
236	The extent of functionality in the human genome. <i>The HUGO Journal</i> , <b>2013</b> , 7,		19
235	Understanding the regulatory and transcriptional complexity of the genome through structure. <i>Genome Research</i> , <b>2013</b> , 23, 1081-8	9.7	55
234	Transcriptome-wide identification of A > I RNA editing sites by inosine specific cleavage. <i>Rna</i> , <b>2013</b> , 19, 257-70	5.8	47
233	Mapping of mitochondrial RNA-protein interactions by digital RNase footprinting. <i>Cell Reports</i> , <b>2013</b> , 5, 839-48	10.6	28
232	The dark matter rises: the expanding world of regulatory RNAs. <i>Essays in Biochemistry</i> , <b>2013</b> , 54, 1-16	7.6	63
231	DNase I-hypersensitive exons colocalize with promoters and distal regulatory elements. <i>Nature Genetics</i> , <b>2013</b> , 45, 852-9	36.3	94
230	Structure and function of long noncoding RNAs in epigenetic regulation. <i>Nature Structural and Molecular Biology</i> , <b>2013</b> , 20, 300-7	17.6	1073
229	Triplex-Inspector: an analysis tool for triplex-mediated targeting of genomic loci. <i>Bioinformatics</i> , <b>2013</b> , 29, 1895-7	7.2	23
228	Widespread purifying selection on RNA structure in mammals. <i>Nucleic Acids Research</i> , <b>2013</b> , 41, 8220-36	20.1	126
227	MicroRNAs-140-5p/140-3p modulate Leydig cell numbers in the developing mouse testis. <i>Biology of Reproduction</i> , <b>2013</b> , 88, 143	3.9	55
226	A meta-analysis of the genomic and transcriptomic composition of complex life. <i>Cell Cycle</i> , <b>2013</b> , 12, 2061-72	4.7	102
225	MicroRNAs regulate tumor angiogenesis modulated by endothelial progenitor cells. <i>Cancer Research</i> , <b>2013</b> , 73, 341-52	10.1	102
224	Non-coding RNAs in homeostasis, disease and stress responses: an evolutionary perspective. <i>Briefings in Functional Genomics</i> , <b>2013</b> , 12, 254-78	4.9	79

223	Genome-wide methylated CpG island profiles of melanoma cells reveal a melanoma coregulation network. <i>Scientific Reports</i> , <b>2013</b> , 3, 2962	4.9	15
222	Branched-chain amino acid supplementation: impact on signaling and relevance to critical illness. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , <b>2013</b> , 5, 449-460	6.6	37
221	Probing the phenomics of noncoding RNA. <i>ELife</i> , <b>2013</b> , 2, e01968	8.9	13
220	Long noncoding RNAs in cardiac development and pathophysiology. <i>Circulation Research</i> , <b>2012</b> , 111, 1349-62	15.7	178
219	Extragenic suppressor mutations that restore twitching motility to fimL mutants of <i>Pseudomonas aeruginosa</i> are associated with elevated intracellular cyclic AMP levels. <i>MicrobiologyOpen</i> , <b>2012</b> , 1, 490-504	3.4	10
218	Dynamics of hepatic gene expression profile in a rat cecal ligation and puncture model. <i>Journal of Surgical Research</i> , <b>2012</b> , 176, 583-600	2.5	12
217	Long-term gene expression profile dynamics following cecal ligation and puncture in the rat. <i>Journal of Surgical Research</i> , <b>2012</b> , 178, 431-42	2.5	6
216	Stoichiometry based steady-state hepatic flux analysis: computational and experimental aspects. <i>Metabolites</i> , <b>2012</b> , 2, 268-91	5.6	5
215	Rocking the foundations of molecular genetics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 16400-1	11.5	24
214	RNA driving the epigenetic bus. <i>EMBO Journal</i> , <b>2012</b> , 31, 515-6	13	9
213	The lethal toxin from Australian funnel-web spiders is encoded by an intronless gene. <i>PLoS ONE</i> , <b>2012</b> , 7, e43699	3.7	17
212	The role of regulatory RNA in cognitive evolution. <i>Trends in Cognitive Sciences</i> , <b>2012</b> , 16, 497-503	14	36
211	Genome-wide analysis of long noncoding RNA stability. <i>Genome Research</i> , <b>2012</b> , 22, 885-98	9.7	373
210	Triplexator: detecting nucleic acid triple helices in genomic and transcriptomic data. <i>Genome Research</i> , <b>2012</b> , 22, 1372-81	9.7	142
209	Pinstripe: a suite of programs for integrating transcriptomic and proteomic datasets identifies novel proteins and improves differentiation of protein-coding and non-coding genes. <i>Bioinformatics</i> , <b>2012</b> , 28, 3042-50	7.2	59
208	Expression and function of the protein tyrosine phosphatase receptor J (PTPRJ) in normal mammary epithelial cells and breast tumors. <i>PLoS ONE</i> , <b>2012</b> , 7, e40742	3.7	14
207	Targeted RNA sequencing reveals the deep complexity of the human transcriptome. <i>Nature Biotechnology</i> , <b>2011</b> , 30, 99-104	44.5	356
206	The melanoma-upregulated long noncoding RNA SPRY4-IT1 modulates apoptosis and invasion. <i>Cancer Research</i> , <b>2011</b> , 71, 3852-62	10.1	392

205	The human mitochondrial transcriptome. <i>Cell</i> , <b>2011</b> , 146, 645-58	56.2	561
204	The evolution of RNAs with multiple functions. <i>Biochimie</i> , <b>2011</b> , 93, 2013-8	4.6	68
203	MicroRNA regulation of neural plasticity and memory. <i>Neurobiology of Learning and Memory</i> , <b>2011</b> , 96, 89-94	3.1	123
202	Long noncoding RNAs in cell biology. <i>Seminars in Cell and Developmental Biology</i> , <b>2011</b> , 22, 366-76	7.5	263
201	RNA Networks as Digital Control Circuits of Nuclear Functions <b>2011</b> , 353-363		
200	Expression of distinct RNAs from 3' untranslated regions. <i>Nucleic Acids Research</i> , <b>2011</b> , 39, 2393-403	20.1	153
199	The double life of RNA. <i>Biochimie</i> , <b>2011</b> , 93, viii-ix	4.6	9
198	Expression of transposable elements in neural tissues during <i>Xenopus</i> development. <i>PLoS ONE</i> , <b>2011</b> , 6, e22569	3.7	18
197	The central role of RNA in human development and cognition. <i>FEBS Letters</i> , <b>2011</b> , 585, 1600-16	3.8	175
196	MicroRNAs in cell biology, insulin resistance, diabetes and its complications. <i>Diabetes</i> , <b>2011</b> , 60, 1825-31	9	169
195	SNORD-host RNA Zfas1 is a regulator of mammary development and a potential marker for breast cancer. <i>Rna</i> , <b>2011</b> , 17, 878-91	5.8	270
194	Somatic retrotransposition alters the genetic landscape of the human brain. <i>Nature</i> , <b>2011</b> , 479, 534-7	50.4	519
193	The relationship between transcription initiation RNAs and CCCTC-binding factor (CTCF) localization. <i>Epigenetics and Chromatin</i> , <b>2011</b> , 4, 13	5.8	36
192	Refining transcriptional programs in kidney development by integration of deep RNA-sequencing and array-based spatial profiling. <i>BMC Genomics</i> , <b>2011</b> , 12, 441	4.5	25
191	lncRNADB: a reference database for long noncoding RNAs. <i>Nucleic Acids Research</i> , <b>2011</b> , 39, D146-51	20.1	461
190	RNA processing in human mitochondria. <i>Cell Cycle</i> , <b>2011</b> , 10, 2904-16	4.7	175
189	Potential in vivo roles of nucleic acid triple-helices. <i>RNA Biology</i> , <b>2011</b> , 8, 427-39	4.8	140
188	Long noncoding RNAs are generated from the mitochondrial genome and regulated by nuclear-encoded proteins. <i>Rna</i> , <b>2011</b> , 17, 2085-93	5.8	193

187	MicroRNAs in the shoot apical meristem of soybean. <i>Journal of Experimental Botany</i> , <b>2011</b> , 62, 2495-5067		62
186	Genome-sequencing anniversary. The genomic foundation is shifting. <i>Science</i> , <b>2011</b> , 331, 874	33.3	8
185	Global analysis of the mammalian RNA degradome reveals widespread miRNA-dependent and miRNA-independent endonucleolytic cleavage. <i>Nucleic Acids Research</i> , <b>2011</b> , 39, 5658-68	20.1	63
184	The reality of pervasive transcription. <i>PLoS Biology</i> , <b>2011</b> , 9, e1000625; discussion e1001102	9.7	325
183	Nuclear-localized tiny RNAs are associated with transcription initiation and splice sites in metazoans. <i>Nature Structural and Molecular Biology</i> , <b>2010</b> , 17, 1030-4	17.6	134
182	The central role of RNA in the genetic programming of complex organisms. <i>Anais Da Academia Brasileira De Ciencias</i> , <b>2010</b> , 82, 933-9	1.4	15
181	A variant of the KLK4 gene is expressed as a cis sense-antisense chimeric transcript in prostate cancer cells. <i>Rna</i> , <b>2010</b> , 16, 1156-66	5.8	30
180	Stringent programming of DNA methylation in humans. <i>Twin Research and Human Genetics</i> , <b>2010</b> , 13, 405-11	2.2	5
179	Dynamic isomiR regulation in Drosophila development. <i>Rna</i> , <b>2010</b> , 16, 1881-8	5.8	167
178	Regulated post-transcriptional RNA cleavage diversifies the eukaryotic transcriptome. <i>Genome Research</i> , <b>2010</b> , 20, 1639-50	9.7	66
177	Multiple evolutionary rate classes in animal genome evolution. <i>Molecular Biology and Evolution</i> , <b>2010</b> , 27, 942-53	8.3	14
176	Cross-mapping and the identification of editing sites in mature microRNAs in high-throughput sequencing libraries. <i>Genome Research</i> , <b>2010</b> , 20, 257-64	9.7	105
175	Linc-ing Long noncoding RNAs and enhancer function. <i>Developmental Cell</i> , <b>2010</b> , 19, 485-6	10.2	31
174	Identification of conserved Drosophila-specific euchromatin-restricted non-coding sequence motifs. <i>Genomics</i> , <b>2010</b> , 96, 154-66	4.3	3
173	Protein-coding and non-coding gene expression analysis in differentiating human keratinocytes using a three-dimensional epidermal equivalent. <i>Molecular Genetics and Genomics</i> , <b>2010</b> , 284, 1-9	3.1	25
172	A global view of genomic information--moving beyond the gene and the master regulator. <i>Trends in Genetics</i> , <b>2010</b> , 26, 21-8	8.5	174
171	Identification of novel non-coding RNAs using profiles of short sequence reads from next generation sequencing data. <i>BMC Genomics</i> , <b>2010</b> , 11, 77	4.5	44
170	Long noncoding RNAs in neuronal-glia fate specification and oligodendrocyte lineage maturation. <i>BMC Neuroscience</i> , <b>2010</b> , 11, 14	3.2	326



169	Long non-coding RNAs in nervous system function and disease. <i>Brain Research</i> , <b>2010</b> , 1338, 20-35	3.7	369
168	RNA as the substrate for epigenome-environment interactions: RNA guidance of epigenetic processes and the expansion of RNA editing in animals underpins development, phenotypic plasticity, learning, and cognition. <i>BioEssays</i> , <b>2010</b> , 32, 548-52	4.1	52
167	Non-coding RNAs: regulators of disease. <i>Journal of Pathology</i> , <b>2010</b> , 220, 126-39	9.4	769
166	Genome-wide identification of long noncoding RNAs in CD8+ T cells. <i>Journal of Immunology</i> , <b>2009</b> , 182, 7738-48	5.3	189
165	NRED: a database of long noncoding RNA expression. <i>Nucleic Acids Research</i> , <b>2009</b> , 37, D122-6	20.1	214
164	Evolution, biogenesis and function of promoter-associated RNAs. <i>Cell Cycle</i> , <b>2009</b> , 8, 2332-8	4.7	83
163	The genetic signatures of noncoding RNAs. <i>PLoS Genetics</i> , <b>2009</b> , 5, e1000459	6	553
162	Nucleosomes are preferentially positioned at exons in somatic and sperm cells. <i>Cell Cycle</i> , <b>2009</b> , 8, 3420-4.7	4.7	82
161	Complex architecture and regulated expression of the Sox2ot locus during vertebrate development. <i>Rna</i> , <b>2009</b> , 15, 2013-27	5.8	163
160	A transcriptional sketch of a primary human breast cancer by 454 deep sequencing. <i>BMC Genomics</i> , <b>2009</b> , 10, 163	4.5	191
159	RNA regulation of epigenetic processes. <i>BioEssays</i> , <b>2009</b> , 31, 51-9	4.1	295
158	Has evolution learnt how to learn?. <i>EMBO Reports</i> , <b>2009</b> , 10, 665	6.5	14
157	Tiny RNAs associated with transcription start sites in animals. <i>Nature Genetics</i> , <b>2009</b> , 41, 572-8	36.3	302
156	The transcriptional network that controls growth arrest and differentiation in a human myeloid leukemia cell line. <i>Nature Genetics</i> , <b>2009</b> , 41, 553-62	36.3	356
155	Long non-coding RNAs: insights into functions. <i>Nature Reviews Genetics</i> , <b>2009</b> , 10, 155-9	30.1	4184
154	Deconstructing the dogma: a new view of the evolution and genetic programming of complex organisms. <i>Annals of the New York Academy of Sciences</i> , <b>2009</b> , 1178, 29-46	6.5	63
153	Small RNAs derived from snoRNAs. <i>Rna</i> , <b>2009</b> , 15, 1233-40	5.8	325
152	Regulation of epidermal growth factor receptor signaling in human cancer cells by microRNA-7. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 5731-41	5.4	345

151	Pervasive transcription of the eukaryotic genome: functional indices and conceptual implications. <i>Briefings in Functional Genomics &amp; Proteomics</i> , <b>2009</b> , 8, 407-23		118
150	MEN epsilon/beta nuclear-retained non-coding RNAs are up-regulated upon muscle differentiation and are essential components of paraspeckles. <i>Genome Research</i> , <b>2009</b> , 19, 347-59	9.7	469
149	Touchdown PCR for increased specificity and sensitivity in PCR amplification. <i>Nature Protocols</i> , <b>2008</b> , 3, 1452-6	18.8	371
148	RNAs as extracellular signaling molecules. <i>Journal of Molecular Endocrinology</i> , <b>2008</b> , 40, 151-9	4.5	157
147	Noncoding RNAs in Long-Term Memory Formation. <i>Neuroscientist</i> , <b>2008</b> , 14, 434-45	7.6	110
146	Molecular evolution of the HBII-52 snoRNA cluster. <i>Journal of Molecular Biology</i> , <b>2008</b> , 381, 810-5	6.5	22
145	RNA editing, DNA recoding and the evolution of human cognition. <i>Trends in Neurosciences</i> , <b>2008</b> , 31, 227-33	13.3	122
144	The eukaryotic genome as an RNA machine. <i>Science</i> , <b>2008</b> , 319, 1787-9	33.3	499
143	Long noncoding RNAs in mouse embryonic stem cell pluripotency and differentiation. <i>Genome Research</i> , <b>2008</b> , 18, 1433-45	9.7	608
142	Differentiating protein-coding and noncoding RNA: challenges and ambiguities. <i>PLoS Computational Biology</i> , <b>2008</b> , 4, e1000176	5	387
141	Large-scale appearance of ultraconserved elements in tetrapod genomes and slowdown of the molecular clock. <i>Molecular Biology and Evolution</i> , <b>2008</b> , 25, 402-8	8.3	89
140	Delineating slowly and rapidly evolving fractions of the <i>Drosophila</i> genome. <i>Journal of Computational Biology</i> , <b>2008</b> , 15, 407-30	1.7	16
139	Specific expression of long noncoding RNAs in the mouse brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 716-21	11.5	928
138	Noncoding RNA in development. <i>Mammalian Genome</i> , <b>2008</b> , 19, 454-92	3.2	339
137	Orthologous microRNA genes are located in cancer-associated genomic regions in human and mouse. <i>PLoS ONE</i> , <b>2007</b> , 2, e1133	3.7	32
136	The relationship between non-protein-coding DNA and eukaryotic complexity. <i>BioEssays</i> , <b>2007</b> , 29, 288-99	9.1	491
135	Identification and analysis of functional elements in 1% of the human genome by the ENCODE pilot project. <i>Nature</i> , <b>2007</b> , 447, 799-816	50.4	4121
134	Maintenance of transposon-free regions throughout vertebrate evolution. <i>BMC Genomics</i> , <b>2007</b> , 8, 470	4.5	23

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4	Best practices for genome-wide RNA structure analysis: combination of mutational profiles and drop-off information		7
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