

JÃ¼rgen Brosius

List of Publications by Year in descending order

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130
papers

12,825
citations

39113

52
h-index

29333

108
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135
all docs

135
docs citations

135
times ranked

10228
citing authors

#	ARTICLE	IF	CITATIONS
1	GPR15&C10ORF99 functional pairing initiates colonic Treg homing in amniotes. EMBO Reports, 2022, 23, e53246.	2.0	4
2	Enhancer occlusion transcripts regulate the activity of human enhancer domains via transcriptional interference: a computational perspective. Nucleic Acids Research, 2020, 48, 3435-3454.	6.5	5
3	Exaptation at the molecular genetic level. Science China Life Sciences, 2019, 62, 437-452.	2.3	13
4	The Volcano Rabbit in the Phylogenetic Network of Lagomorphs. Genome Biology and Evolution, 2019, 11, 11-16.	1.1	6
5	Transcriptional interference by small transcripts in proximal promoter regions. Nucleic Acids Research, 2018, 46, 1069-1088.	6.5	10
6	De-novo emergence of SINE retroposons during the early evolution of passerine birds. Mobile DNA, 2017, 8, 21.	1.3	13
7	Maternal transcription of non-protein coding RNAs from the PWS-critical region rescues growth retardation in mice. Scientific Reports, 2016, 6, 20398.	1.6	22
8	Genome sequence of the basal haplorrhine primate Tarsius syrichta reveals unusual insertions. Nature Communications, 2016, 7, 12997.	5.8	32
9	BC1 RNA motifs required for dendritic transport in vivo. Scientific Reports, 2016, 6, 28300.	1.6	13
10	What is an RNA?<i>A top layer for RNA classification</i>. RNA Biology, 2016, 13, 140-144.	1.5	33
11	Ancient Traces of Tailless Retropseudogenes in Therian Genomes. Genome Biology and Evolution, 2015, 7, 889-900.	1.1	9
12	Multiple Lineages of Ancient CR1 Retroposons Shaped the Early Genome Evolution of Amniotes. Genome Biology and Evolution, 2015, 7, 205-217.	1.1	62
13	Evidence for a Novel Mechanism of Influenza Virus-Induced Type I Interferon Expression by a Defective RNA-Encoded Protein. PLoS Pathogens, 2015, 11, e1004924.	2.1	31
14	Does every transcript originate from a gene?. Annals of the New York Academy of Sciences, 2015, 1341, 136-148.	1.8	8
15	Exploring Massive Incomplete Lineage Sorting in Arctoids (Laurasiatheria, Carnivora). Molecular Biology and Evolution, 2015, 32, msv188.	3.5	48
16	GPAC"Genome Presence/Absence Compiler: A Web Application to Comparatively Visualize Multiple Genome-Level Changes. Molecular Biology and Evolution, 2015, 32, 275-286.	3.5	9
17	The Persistent Contributions of RNA to Eukaryotic Gen(om)e Architecture and Cellular Function. Cold Spring Harbor Perspectives in Biology, 2014, 6, a016089-a016089.	2.3	10
18	The genome of a Mesozoic paleovirus reveals the evolution of hepatitis B viruses. Nature Communications, 2013, 4, 1791.	5.8	55

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19	Retrophylogenomics Place Tarsiers on the Evolutionary Branch of Anthropoids. <i>Scientific Reports</i> , 2013, 3, 1756.	1.6	47
20	Ancestry of the Australian Termitivorous Numbat. <i>Molecular Biology and Evolution</i> , 2013, 30, 1041-1045.	3.5	11
21	A Universal Method for the Study of CR1 Retroposons in Nonmodel Bird Genomes. <i>Molecular Biology and Evolution</i> , 2012, 29, 2899-2903.	3.5	27
22	Retroposon Insertion Patterns of Neoavian Birds: Strong Evidence for an Extensive Incomplete Lineage Sorting Era. <i>Molecular Biology and Evolution</i> , 2012, 29, 1497-1501.	3.5	39
23	Mesozoic retroposons reveal parrots as the closest living relatives of passerine birds. <i>Nature Communications</i> , 2011, 2, 443.	5.8	175
24	Exonization of transposed elements: A challenge and opportunity for evolution. <i>Biochimie</i> , 2011, 93, 1928-1934.	1.3	132
25	Retroposon Insertions and the Chronology of Avian Sex Chromosome Evolution. <i>Molecular Biology and Evolution</i> , 2011, 28, 2993-2997.	3.5	53
26	Application of housekeeping npcRNAs for quantitative expression analysis of human transcriptome by real-time PCR. <i>Rna</i> , 2010, 16, 450-461.	1.6	90
27	Identification of differentially expressed small non-protein-coding RNAs in <i>Staphylococcus aureus</i> displaying both the normal and the small-colony variant phenotype. <i>Journal of Molecular Medicine</i> , 2010, 88, 565-575.	1.7	113
28	A novel web-based TinT application and the chronology of the Primate Alu retroposon activity. <i>BMC Evolutionary Biology</i> , 2010, 10, 376.	3.2	45
29	Retroposon Insertions Provide Insights into Deep Lagomorph Evolution. <i>Molecular Biology and Evolution</i> , 2010, 27, 2678-2681.	3.5	17
30	Tracking Marsupial Evolution Using Archaic Genomic Retroposon Insertions. <i>PLoS Biology</i> , 2010, 8, e1000436.	2.6	184
31	Rodent Evolution: Back to the Root. <i>Molecular Biology and Evolution</i> , 2010, 27, 1315-1326.	3.5	131
32	Mosaic retroposon insertion patterns in placental mammals. <i>Genome Research</i> , 2009, 19, 868-875.	2.4	79
33	The Fragmented Gene. <i>Annals of the New York Academy of Sciences</i> , 2009, 1178, 186-193.	1.8	22
34	Retrocopy contributions to the evolution of the human genome. <i>BMC Genomics</i> , 2008, 9, 466.	1.2	93
35	Beyond DNA: RNA Editing and Steps Toward Alu Exonization in Primates. <i>Journal of Molecular Biology</i> , 2008, 382, 601-609.	2.0	43
36	On BC1 RNA and the fragile X mental retardation protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 734-739.	3.3	71

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37	Retroposed SNOfall–A mammalian-wide comparison of platypus snoRNAs. <i>Genome Research</i> , 2008, 18, 1005-1010.	2.4	62
38	Reply to Bagni: On BC1 RNA and the fragile X mental retardation protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, E29-E29.	3.3	8
39	Multiple molecular evidences for a living mammalian fossil. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 7495-7499.	3.3	141
40	Deletion of the MBII-85 snoRNA Gene Cluster in Mice Results in Postnatal Growth Retardation. <i>PLoS Genetics</i> , 2007, 3, e235.	1.5	155
41	Isolation and Posttranscriptional Modification Analysis of Native BC1 RNA from Mouse Brain. <i>RNA Biology</i> , 2007, 4, 11-15.	1.5	14
42	Functional persistence of exonized mammalian-wide interspersed repeat elements (MIRs). <i>Genome Research</i> , 2007, 17, 1139-1145.	2.4	88
43	Retroposed Elements and Their Flanking Regions Resolve the Evolutionary History of Xenarthran Mammals (Armadillos, Anteaters, and Sloths). <i>Molecular Biology and Evolution</i> , 2007, 24, 2573-2582.	3.5	82
44	Can ID Repetitive Elements Serve as Cis-acting Dendritic Targeting Elements? An In Vivo Study. <i>PLoS ONE</i> , 2007, 2, e961.	1.1	14
45	Waves of genomic hitchhikers shed light on the evolution of gamebirds (Aves: Galliformes). <i>BMC Evolutionary Biology</i> , 2007, 7, 190.	3.2	81
46	Evolutionary history of 7SL RNA-derived SINEs in Supraprimates. <i>Trends in Genetics</i> , 2007, 23, 158-161.	2.9	204
47	Automated Scanning for Phylogenetically Informative Transposed Elements in Rodents. <i>Systematic Biology</i> , 2006, 55, 936-948.	2.7	24
48	Retroposed Elements as Archives for the Evolutionary History of Placental Mammals. <i>PLoS Biology</i> , 2006, 4, e91.	2.6	238
49	Two primate-specific small non-protein-coding RNAs in transgenic mice: neuronal expression, subcellular localization and binding partners. <i>Nucleic Acids Research</i> , 2006, 35, 529-539.	6.5	36
50	Evolution of small nucleolar RNAs in nematodes. <i>Nucleic Acids Research</i> , 2006, 34, 2676-2685.	6.5	74
51	Spatial codes in dendritic BC1 RNA. <i>Journal of Cell Biology</i> , 2006, 175, 427-439.	2.3	52
52	Does the AD7c-NTP locus encode a protein?. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2005, 1727, 1-4.	2.4	6
53	Waste not, want not – transcript excess in multicellular eukaryotes. <i>Trends in Genetics</i> , 2005, 21, 287-288.	2.9	123
54	Disparity, adaptation, exaptation, bookkeeping, and contingency at the genome level. <i>Paleobiology</i> , 2005, 31, 1-16.	1.3	16

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55	Alu-SINE Exonization: En Route to Protein-Coding Function. <i>Molecular Biology and Evolution</i> , 2005, 22, 1702-1711.	3.5	133
56	A Novel Abundant Family of Retroposed Elements (DAS-SINEs) in the Nine-Banded Armadillo (<i>Dasyurus</i>) Tj ETQq0 0 0 ggBT /Overlock 10 T	3.5	39
57	Inhibitory Effect of Naked Neural BC1 RNA or BC200 RNA on Eukaryotic in vitro Translation Systems is Reversed by Poly(A)-binding Protein (PABP). <i>Journal of Molecular Biology</i> , 2005, 353, 88-103.	2.0	115
58	Identification of an evolutionarily divergent U11 small nuclear ribonucleoprotein particle in <i>Drosophila</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 9584-9589.	3.3	25
59	A Novel Class of Mammalian-Specific Tailless Retropseudogenes. <i>Genome Research</i> , 2004, 14, 1911-1915.	2.4	41
60	RNomenclature. <i>RNA Biology</i> , 2004, 1, 81-83.	1.5	32
61	Neuronal MAP2 mRNA: Species-dependent Differential Dendritic Targeting Competence. <i>Journal of Molecular Biology</i> , 2004, 341, 927-934.	2.0	14
62	From "Junk" to Gene: Curriculum vitae of a Primate Receptor Isoform Gene. <i>Journal of Molecular Biology</i> , 2004, 341, 883-886.	2.0	65
63	The Contribution of RNAs and Retroposition to Evolutionary Novelty. <i>Genetica</i> , 2003, 118, 99-115.	0.5	125
64	Gene duplication and other evolutionary strategies: from the RNA world to the future. <i>Journal of Structural and Functional Genomics</i> , 2003, 3, 1-17.	1.2	33
65	From Eden to a hell of uniformity? directed evolution in humans. <i>BioEssays</i> , 2003, 25, 815-821.	1.2	9
66	RNomics in <i>Drosophila melanogaster</i> : identification of 66 candidates for novel non-messenger RNAs. <i>Nucleic Acids Research</i> , 2003, 31, 2495-2507.	6.5	77
67	Neuronal Untranslated BC1 RNA: Targeted Gene Elimination in Mice. <i>Molecular and Cellular Biology</i> , 2003, 23, 6435-6441.	1.1	65
68	Binding of L7Ae protein to the K-turn of archaeal snoRNAs: a shared RNA binding motif for C/D and H/ACA box snoRNAs in Archaea. <i>Nucleic Acids Research</i> , 2003, 31, 869-877.	6.5	195
69	How significant is 98.5% 'junk' in mammalian genomes?. <i>Bioinformatics</i> , 2003, 19, ii35-ii35.	1.8	15
70	The contribution of RNAs and retroposition to evolutionary novelty. <i>Contemporary Issues in Genetics and Evolution</i> , 2003, , 99-116.	0.9	7
71	Gene duplication and other evolutionary strategies: from the RNA world to the future. , 2003, , 1-17.		0
72	The contribution of RNAs and retroposition to evolutionary novelty. <i>Genetica</i> , 2003, 118, 99-116.	0.5	58

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73	Identification of 86 candidates for small non-messenger RNAs from the archaeon <i>Archaeoglobus fulgidus</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 7536-7541.	3.3	323
74	RNomics in Archaea reveals a further link between splicing of archaeal introns and rRNA processing. <i>Nucleic Acids Research</i> , 2002, 30, 921-930.	6.5	124
75	Poly(A)-binding Protein is Associated with Neuronal BC1 and BC200 Ribonucleoprotein Particles. <i>Journal of Molecular Biology</i> , 2002, 321, 433-445.	2.0	140
76	Experimental RNomics. <i>Current Biology</i> , 2002, 12, 2002-2013.	1.8	127
77	RNomics: identification and function of small, non-messenger RNAs. <i>Current Opinion in Chemical Biology</i> , 2002, 6, 835-843.	2.8	129
78	A small RNA in testis and brain: implications for male germ cell development. <i>Journal of Cell Science</i> , 2002, 115, 1243-50.	1.2	20
79	Neuronal BC1 RNA structure: Evolutionary conversion of a tRNA ^{Ala} domain into an extended stem-loop structure. <i>Rna</i> , 2001, 7, 722-730.	1.6	72
80	tRNAs in the spotlight during protein biosynthesis. <i>Trends in Biochemical Sciences</i> , 2001, 26, 653-656.	3.7	36
81	Neuronal BC1 RNA: Intracellular Transport and Activity-Dependent Modulation. <i>Results and Problems in Cell Differentiation</i> , 2001, 34, 129-138.	0.2	29
82	Eugenicsâ€”evolutionary nonsense?. <i>Nature Genetics</i> , 2000, 25, 253-253.	9.4	12
83	A tRNA Pseudogene in the Archaeon <i>Methanococcus jannaschii</i> . <i>DNA Sequence</i> , 2000, 11, 97-99.	0.7	1
84	Genomes were forged by massive bombardments with retroelements and retrosequences. , 2000, , 209-238.		61
85	EXPRESSION VECTORS EMPLOYING THE trc PROMOTER**This chapter focuses on the trc promoter, and examples given almost exclusively cover trc expression vectors. The citations given here may therefore not necessarily include the first examples of a given vector or process improvement.. , 1999, , 45-64.		2
86	Transmutation of tRNA over time. <i>Nature Genetics</i> , 1999, 22, 8-9.	9.4	29
87	Genomes were forged by massive bombardments with retroelements and retrosequences. , 1999, 107, 209-238.		136
88	Many G-protein-coupled receptors are encoded by retrogenes. <i>Trends in Genetics</i> , 1999, 15, 304-305.	2.9	56
89	The BC200 RNA Gene and Its Neural Expression Are Conserved in Anthropeidea (Primates). <i>Journal of Molecular Evolution</i> , 1998, 47, 677-685.	0.8	53
90	Heterodimer SRP9/14 is an integral part of the neural BC200 RNP in primate brain. <i>Neuroscience Letters</i> , 1998, 245, 123-126.	1.0	43

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91	Activity-dependent Regulation of Dendritic BC1 RNA in Hippocampal Neurons in Culture. <i>Journal of Cell Biology</i> , 1998, 141, 1601-1611.	2.3	92
92	Identification of Human Autoantigen La/SS-B as BC1/BC200 RNA-Binding Protein. <i>DNA and Cell Biology</i> , 1998, 17, 751-759.	0.9	41
93	The IOSa RNA Gene of <i>Thermus thermophilus</i> . <i>DNA Sequence</i> , 1998, 9, 31-35.	0.7	5
94	Localization of the Mouse Gene (Bc1) Encoding Neural BC1 RNA Near the Fibroblast Growth Factor 3 Locus (Fgf3) on Distal Chromosome 7. <i>Genomics</i> , 1997, 44, 153-154.	1.3	8
95	Expression of dendritic BC200 RNA, component of a 11.4S ribonucleoprotein particle, is conserved in monkey brain. <i>Neuroscience Letters</i> , 1997, 224, 206-210.	1.0	25
96	Expression of neural BC200 RNA in human tumours. , 1997, 183, 345-351.		177
97	Translational Machinery in Dendrites of Hippocampal Neurons in Culture. <i>Journal of Neuroscience</i> , 1996, 16, 7171-7181.	1.7	201
98	Evolution, Expression, and Possible Function of a Master Gene for Amplification of an Interspersed Repeated DNA Family in Rodents. <i>Progress in Molecular Biology and Translational Science</i> , 1996, 52, 67-88.	1.9	32
99	Identification and Characterization of BC1 RNP Particles. <i>DNA and Cell Biology</i> , 1996, 15, 549-559.	0.9	50
100	Reverse Transcriptase: Mediator of Genomic Plasticity. , 1996, , 91-107.		1
101	Reverse transcriptase: Mediator of genomic plasticity. <i>Virus Genes</i> , 1995, 11, 163-179.	0.7	81
102	Molecular Cloning and Characterization of the Mouse Dopamine D ₃ Receptor Gene: An Additional Intron and an mRNA Variant. <i>DNA and Cell Biology</i> , 1995, 14, 485-492.	0.9	18
103	Expression of the Human T-Cell Receptor V β 25.3 in <i>Escherichia coli</i> by Thermal Induction of the trc Promoter: Nucleotide Sequence of the lacts Gene. <i>DNA and Cell Biology</i> , 1995, 14, 945-950.	0.9	11
104	Molecular constructivity. <i>Nature</i> , 1993, 365, 102-102.	13.7	30
105	Clathrin light chain B: gene structure and neuron-specific splicing. <i>Nucleic Acids Research</i> , 1992, 20, 5097-5103.	6.5	42
106	Sequence Alignment of the G-Protein Coupled Receptor Superfamily. <i>DNA and Cell Biology</i> , 1992, 11, 1-20.	0.9	873
107	[41] Compilation of superlinker vectors. <i>Methods in Enzymology</i> , 1992, 216, 469-483.	0.4	55
108	Murine BC1 RNA in dendritic fields of the retinal inner plexiform layer. <i>Neuroscience Letters</i> , 1992, 141, 136-138.	1.0	9

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109	Familial Alzheimer's mutation: mRNA secondary structure revisited. <i>Neurobiology of Aging</i> , 1992, 13, 449-451.	1.5	1
110	Sanched PCR: PCR with cDNA coupled to a solid phase. <i>Nucleic Acids Research</i> , 1991, 19, 1350-1350.	6.5	9
111	Superpolylinkers in Cloning and Expression Vectors. <i>DNA and Cell Biology</i> , 1989, 8, 759-777.	5.1	154
112	Molecular Cloning and Complete Amino Acid Sequence of AP50, an Assembly Protein Associated with Clathrin-Coated Vesicles. <i>DNA and Cell Biology</i> , 1988, 7, 663-669.	5.1	45
113	Expression Vectors Employing Lambda-, trp-, lac-, and lpp-Derived Promoters. , 1988, 10, 205-225.		18
114	[4] Plasmids for the selection and analysis of prokaryotic promoters. <i>Methods in Enzymology</i> , 1987, 153, 54-68.	0.4	43
115	Rat Calmodulin cDNA. <i>DNA and Cell Biology</i> , 1987, 6, 267-272.	5.1	45
116	In vivo transcription from deletion mutations introduced near Escherichia coli ribosomal RNA promoter P2. <i>Molecular Genetics and Genomics</i> , 1985, 199, 55-58.	2.4	16
117	â€ˆATC vectorsâ€™™ for regulated high-level expression of cloned genes in Escherichia coli. <i>Gene</i> , 1985, 40, 183-190.	1.0	449
118	Plasmid vectors for the selection of promoters. <i>Gene</i> , 1984, 27, 151-160.	1.0	460
119	Toxicity of an overproduced foreign gene product in Escherichia coli and its use in plasmid vectors for the selection of transcription terminators. <i>Gene</i> , 1984, 27, 161-172.	1.0	183
120	Vectors bearing a hybrid trp-lac promoter useful for regulated expression of cloned genes in Escherichia coli. <i>Gene</i> , 1983, 25, 167-178.	1.0	865
121	DNA sequences flanking an E. coli insertion element IS2 in a cloned yeast TRP5 gene. <i>Gene</i> , 1982, 17, 223-228.	1.0	10
122	rII cistrons of bacteriophage T4. <i>Journal of Molecular Biology</i> , 1981, 149, 337-376.	2.0	187
123	Gene organization and primary structure of a ribosomal RNA operon from Escherichia coli. <i>Journal of Molecular Biology</i> , 1981, 148, 107-127.	2.0	1,787
124	Construction and fine mapping of recombinant plasmids containing the rrnB ribosomal RNA operon of E. coli. <i>Plasmid</i> , 1981, 6, 112-118.	0.4	514
125	An â€ˆinternalâ€™-signal sequence directs secretion and processing of proinsulin in bacteria. <i>Nature</i> , 1981, 294, 176-178.	13.7	72
126	Secondary structure model for 23S ribosomal RNA. <i>Nucleic Acids Research</i> , 1981, 9, 6167-6189.	6.5	397

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127	Fragment of protein L18 from the Escherichia coli ribosome that contains the 5S RNA binding site. Nucleic Acids Research, 1978, 5, 1753-1766.	6.5	24
128	Occurrence of methylated amino acids as N-termini of proteins from Escherichia coli ribosomes. Journal of Molecular Biology, 1977, 111, 173-181.	2.0	55
129	The primary structure of protein L16 located at the peptidyltransferase center of Escherichia coli ribosomes. FEBS Letters, 1976, 68, 105-109.	1.3	77
130	The primary structure of the 5S RNA binding protein L18 from Escherichia coli ribosomes. FEBS Letters, 1975, 56, 359-361.	1.3	46