Benoit Masquida

List of Publications by Year
in descending order

34 papers	1,781 citations	430874 18 h-index	454955 30 g-index
40 all docs	40 docs citations	40 times ranked	1750 citing authors

#	Article	IF	Citations
1	Crystal structures of complexes between aminoglycosides and decoding A site oligonucleotides: role of the number of rings and positive charges in the specific binding leading to miscoding. Nucleic Acids Research, 2005, 33, 5677-5690.	14.5	323
2	A universal mode of helix packing in RNA. Nature Structural Biology, 2001, 8, 339-343.	9.7	228
3	RNA tectonics: towards RNA design. Folding & Design, 1996, 1, R78-R88.	4.5	166
4	<i>RNA-Puzzles</i> Round II: assessment of RNA structure prediction programs applied to three large RNA structures. Rna, 2015, 21, 1066-1084.	3.5	161
5	Assembly of core helices and rapid tertiary folding of a small bacterial group I ribozyme. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 1574-1579.	7.1	136
6	Synthesis of RNA by In Vitro Transcription. Methods in Molecular Biology, 2011, 703, 29-41.	0.9	114
7	Staphylococcus aureus RNAIII Binds to Two Distant Regions of coa mRNA to Arrest Translation and Promote mRNA Degradation. PLoS Pathogens, 2010, 6, e1000809.	4.7	108
8	Molecular Modeling of the Three-dimensional Structure of the Bacterial RNase P Holoenzyme. Journal of Molecular Biology, 2003, 325, 661-675.	4.2	105
9	Architecture and folding mechanism of the Azoarcus Group I Pre-tRNA. Journal of Molecular Biology, 2004, 339, 41-51.	4.2	56
10	Speciation of a group I intron into a lariat capping ribozyme. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7659-7664.	7.1	47
11	Monitoring intermediate folding states of the td group I intron in vivo. EMBO Journal, 2002, 21, 5281-5291.	7.8	41
12	Predicting and Modeling RNA Architecture. Cold Spring Harbor Perspectives in Biology, 2011, 3, a003632-a003632.	5.5	35
13	The modular structure of Escherichia coli threonyl-tRNA synthetase as both an enzyme and a regulator of gene expression. Molecular Microbiology, 2003, 47, 961-974.	2.5	30
14	Molecular modelling of the GIR1 branching ribozyme gives new insight into evolution of structurally related ribozymes. EMBO Journal, 2008, 27, 667-678.	7.8	28
15	Loop-loop interactions involved in antisense regulation are processed by the endoribonuclease III in<i>Staphylococcus aureus</i>. RNA Biology, 2012, 9, 1461-1472.	3.1	22
16	Exploring RNA structure by integrative molecular modelling. New Biotechnology, 2010, 27, 170-183.	4.4	20
17	A Moonlighting Human Protein Is Involved in Mitochondrial Import of tRNA. International Journal of Molecular Sciences, 2015, 16, 9354-9367.	4.1	20
18	An Intricate RNA Structure with two tRNA-derived Motifs Directs Complex Formation between Yeast Aspartyl-tRNA Synthetase and its mRNA. Journal of Molecular Biology, 2005, 354, 614-629.	4.2	19

#	Article	IF	Citations
19	Context dependent RNA-RNA recognition in a three-dimensional model of the 16S rRNA core. Bioorganic and Medicinal Chemistry, 1997, 5, 1021-1035.	3.0	15
20	Molecular characterization of a new member of the lariat capping twin-ribozyme introns. Mobile DNA, 2014, 5, 25.	3.6	14
21	Transfer RNA: From pioneering crystallographic studies to contemporary tRNA biology. Archives of Biochemistry and Biophysics, 2016, 602, 95-105.	3.0	14
22	Cis-Acting 5â€™ Hammerhead Ribozyme Optimization for In Vitro Transcription of Highly Structured RNAs. Methods in Molecular Biology, 2014, 1086, 21-40.	0.9	11
23	A structural module in RNase P expands the variety of RNA kinks. RNA Biology, 2012, 9, 254-260.	3.1	9
24	The functional exchangeability of pk- and k-turns in RNA structure. RNA Biology, 2013, 10, 445-452.	3.1	9
25	Accumulation of Stable Full-Length Circular Group I Intron RNAs during Heat-Shock. Molecules, 2016, 21, 1451.	3.8	8
26	RNase P: At last, the key finds its lock. Rna, 2011, 17, 1615-1618.	3.5	7
27	Polyacrylamide Gel Electrophoresis for Purification of Large Amounts of RNA. Methods in Molecular Biology, 2016, 1320, 59-65.	0.9	7
28	Progress toward SHAPE Constrained Computational Prediction of Tertiary Interactions in RNA Structure. Non-coding RNA, 2021, 7, 71.	2.6	6
29	Modeling the Architecture of Structured RNAs within a Modular and Hierarchical Framework. , 0, , 536-545.		4
30	Intermolecular interaction between a branching ribozyme and associated homing endonuclease mRNA. Biological Chemistry, 2011, 392, 491-9.	2.5	4
31	Chapter 12. The GIR1 Branching Ribozyme. , 0, , 229-252.		3
32	Conformational adaptation of UNCG loops upon crowding. Rna, 2019, 25, 1522-1531.	3.5	1
33	Over a Decade of Bacterial Ribonuclease P Modeling. , 2010, , 41-62.		1
34	Modeling tertiary structure of RNA. , 2005, , .		0