Marlene Belfort

List of Publications by Year
in descending order

167 papers	9,914 citations	30070 54 h-index	40979 93 g-index
178 all docs	178 docs citations	178 times ranked	5068 citing authors

#	Article	IF	Citations
1	Introns as Mobile Genetic Elements. Annual Review of Biochemistry, 1993, 62, 587-622.	11.1	637
2	A nomenclature for restriction enzymes, DNA methyltransferases, homing endonucleases and their genes. Nucleic Acids Research, 2003, 31, 1805-1812.	14.5	634
3	Homing endonucleases: keeping the house in order. Nucleic Acids Research, 1997, 25, 3379-3388.	14.5	430
4	Protein splicing elements: inteins and exteins â€" a definition of terms and recommended nomenclature. Nucleic Acids Research, 1994, 22, 1125-1127.	14.5	349
5	Group I and group II introns.. FASEB Journal, 1993, 7, 15-24.	0.5	268
6	Riboregulation in Escherichia coli: DsrA RNA acts by RNA:RNA interactions at multiple loci. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 12456-12461.	7.1	268
7	A genetic system yields self-cleaving inteins for bioseparations. Nature Biotechnology, 1999, 17, 889-892.	17.5	239
8	Mechanisms of Intron Mobility. Journal of Biological Chemistry, 1995, 270, 30237-30240.	3.4	238
9	Retrohoming of a Bacterial Group II Intron. Cell, 1998, 94, 451-462.	28.9	208
10	The Take and Give Between Retrotransposable Elements and their Hosts. Annual Review of Genetics, 2008, 42, 587-617.	7.6	168
11	Intron mobility in the T-even phages: High frequency inheritance of group I introns promoted by intron open reading frames. Cell, 1989, 56, 455-465.	28.9	142
12	Retrotransposition of a bacterial group II intron. Nature, 2000, 404, 1018-1021.	27.8	139
13	Barriers to Intron Promiscuity in Bacteria. Journal of Bacteriology, 2000, 182, 5281-5289.	2.2	130
14	Genetic definition of a protein-splicing domain: Functional mini-inteins support structure predictions and a model for intein evolution. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 11466-11471.	7.1	129
15	Mobile Bacterial Group II Introns at the Crux of Eukaryotic Evolution. Microbiology Spectrum, 2015, 3, MDNA3-0050-2014.	3.0	119
16	Multiple self-splicing introns in bacteriophage T4: Evidence from autocatalytic GTP labeling of RNA in vitro. Cell, 1986, 47, 81-87.	28.9	118
17	Intron mobility in phage T4 is dependent upon a distinctive class of endonucleases and independent of DNA sequences encoding the intron core: mechanistic and evolutionary implications. Nucleic Acids Research, 1990, 18, 3763-3770.	14.5	118
18	Rules for DNA target-site recognition by a lactococcal group II intron enable retargeting of the intron to specific DNA sequences. Genes and Development, 2000, 14, 559-573.	5.9	115

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19	The neurospora CYT-18 protein suppresses defects in the phage T4 td intron by stabilizing the catalytically active structure of the intron core. Cell, 1992, 69, 483-494.	28.9	108
20	Multiple small RNAs identified in Mycobacterium bovis BCG are also expressed in Mycobacterium tuberculosis and Mycobacterium smegmatis. Nucleic Acids Research, 2010, 38, 4067-4078.	14.5	108
21	Configuration of the catalytic GIY-YIG domain of intron endonuclease I-TevI: coincidence of computational and molecular findings. Nucleic Acids Research, 1999, 27, 2115-2125.	14.5	103
22	Modulation of intein activity by its neighboring extein substrates. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 11005-11010.	7.1	103
23	Characterization of the intron in the phage T4 thymidylate synthase gene and evidence for its self-excision from the primary transcript. Cell, 1986, 45, 157-166.	28.9	102
24	Structure of a group II intron in complex with its reverse transcriptase. Nature Structural and Molecular Biology, 2016, 23, 549-557.	8.2	102
25	Phage T4 Introns: Self-Splicing and Mobility. Annual Review of Genetics, 1990, 24, 363-385.	7.6	99
26	Crystal structure of the thermostable archaeal intron-encoded endonuclease I- Dmo I 1 1Edited by I. A. Wilson. Journal of Molecular Biology, 1999, 286, 1123-1136.	4.2	98
27	Riboregulation by DsrA RNA: trans-actions for global economy. MicroReview. Molecular Microbiology, 2000, 38, 667-672.	2.5	97
28	Retrotransposition of the Ll.LtrB group II intron proceeds predominantly via reverse splicing into DNA targets. Molecular Microbiology, 2002, 46, 1259-1272.	2.5	95
29	Processing of the intron-containing thymidylate synthase (td) gene of phage T4 is at the RNA level. Cell, 1985, 41, 375-382.	28.9	90
30	Optimized Single-Step Affinity Purification with a Self-Cleaving Intein Applied to Human Acidic Fibroblast Growth Factor. Biotechnology Progress, 2000, 16, 1055-1063.	2.6	88
31	Activation of the lambda int gene by the cII and cIII gene products. Virology, 1976, 74, 324-331.	2.4	87
32	Two-domain structure of the td intron-encoded endonuclease I-TevI correlates with the two-domain configuration of the homing site. Journal of Molecular Biology, 1997, 265, 494-506.	4.2	87
33	Enigmatic Distribution, Evolution, and Function of Inteins. Journal of Biological Chemistry, 2014, 289, 14490-14497.	3.4	87
34	Domain structure and three-dimensional model of a group II intron-encoded reverse transcriptase. Rna, 2005, 11, 14-28.	3.5	85
35	Retrohoming: cDNA-Mediated Mobility of Group II Introns Requires a Catalytic RNA. Cell, 1996, 84, 9-12.	28.9	82
36	Nucleotide sequence of a newly-identifiedEscherichia coligene,stpA, encoding an H-NS-like protein. Nucleic Acids Research, 1992, 20, 6735-6735.	14.5	81

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37	The Small Noncoding DsrA RNA Is an Acid Resistance Regulator in Escherichia coli. Journal of Bacteriology, 2004, 186, 6179-6185.	2.2	78
38	Structure of catalytically competent intein caught in a redox trap with functional and evolutionary implications. Nature Structural and Molecular Biology, 2011, 18, 630-633.	8.2	75
39	Two for the price of one: a bifunctional intron-encoded DNA endonuclease-RNA maturase. Genes and Development, 2003, 17, 2860-2863.	5.9	74
40	Mobile DNA elements in T4 and related phages. Virology Journal, 2010, 7, 290.	3.4	74
41	Self-splicing introns in prokaryotes: Migrant fossils?. Cell, 1991, 64, 9-11.	28.9	73
42	Crystallographic and Mutational Studies of Mycobacterium tuberculosis recA Mini-inteins Suggest a Pivotal Role for a Highly Conserved Aspartate Residue. Journal of Molecular Biology, 2007, 367, 162-173.	4.2	72
43	Evolution of mobile group I introns: recognition of intron sequences by an intron-encoded endonuclease.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 11983-11987.	7.1	71
44	Mobile Group II Introns as Ancestral Eukaryotic Elements. Trends in Genetics, 2017, 33, 773-783.	6.7	70
45	Learning to live together: mutualism between self-splicing introns and their hosts. BMC Biology, 2011, 9, 22.	3.8	69
46	Another Bridge between Kingdoms: tRNA Splicing in Archaea and Eukaryotes. Cell, 1997, 89, 1003-1006.	28.9	67
47	Intertwined structure of the DNA-binding domain of intron endonuclease I-TevI with its substrate. EMBO Journal, 2001, 20, 3631-3637.	7.8	67
48	Intein Clustering Suggests Functional Importance in Different Domains of Life. Molecular Biology and Evolution, 2016, 33, 783-799.	8.9	67
49	Deletion-tolerance and trans-splicing of the bacteriophage T4 td intron. Journal of Molecular Biology, 1990, 211, 537-549.	4.2	66
50	Catalytic domain structure and hypothesis for function of GIY-YIG intron endonuclease I-TevI. Nature Structural Biology, 2002, 9, 806-11.	9.7	64
51	Homing Endonucleases: From Genetic Anomalies to Programmable Genomic Clippers. Methods in Molecular Biology, 2014, 1123, 1-26.	0.9	64
52	Selection of a Remote Cleavage Site by I-TevI, thetdIntron-encoded Endonuclease. Journal of Molecular Biology, 1995, 247, 197-210.	4.2	63
53	Recruitment of host functions suggests a repair pathway for late steps in group II intron retrohoming. Genes and Development, 2005, 19, 2477-2487.	5.9	63
54	Highly Conserved Histidine Plays a Dual Catalytic Role in Protein Splicing: A p<i>K</i>_a Shift Mechanism. Journal of the American Chemical Society, 2009, 131, 11581-11589.	13.7	62

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55	Domain structure and RNA annealing activity of the Escherichia coli regulatory protein StpA. Molecular Microbiology, 2002, 28, 847-857.	2.5	57
56	SufB intein of <i>Mycobacterium tuberculosis</i> as a sensor for oxidative and nitrosative stresses. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 10348-10353.	7.1	54
57	Post-translational environmental switch of RadA activity by exteinâ€"intein interactions in protein splicing. Nucleic Acids Research, 2015, 43, 6631-6648.	14.5	54
58	Mobile self-splicing introns and inteins as environmental sensors. Current Opinion in Microbiology, 2017, 38, 51-58.	5.1	51
59	Isolation, characterization and deletion mapping of amber mutations in the cII gene of phage Î». Virology, 1975, 63, 147-159.	2.4	50
60	Processing of phage T4 td-encoded RNA is analogous to the eukaryotic group I splicing pathway.. Proceedings of the National Academy of Sciences of the United States of America, 1986, 83, 5875-5879.	7.1	50
61	Retrotransposition strategies of the Lactococcus lactis Ll.LtrB group II intron are dictated by host identity and cellular environment. Molecular Microbiology, 2005, 56, 509-524.	2.5	50
62	Zinc finger as distance determinant in the flexible linker of intron endonuclease I-TevI. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 8554-8561.	7.1	47
63	Minimization and stabilization of the Mycobacterium tuberculosis recA intein. Journal of Molecular Biology, 2005, 354, 916-926.	4.2	47
64	Two domains for splicing in the intron of the phage T4 thymidylate synthase (td) gene established by nondirected mutagenesis. Cell, 1987, 48, 63-71.	28.9	45
65	Nuclear expression of a group II intron is consistent with spliceosomal intron ancestry. Genes and Development, 2010, 24, 827-836.	5.9	45
66	Intein-mediated purification of cytotoxic endonuclease I-TevI by insertional inactivation and pH-controllable splicing. Nucleic Acids Research, 2002, 30, 4864-4871.	14.5	44
67	Global Regulators Orchestrate Group II Intron Retromobility. Molecular Cell, 2009, 34, 250-256.	9.7	44
68	Cisplatin Inhibits Protein Splicing, Suggesting Inteins as Therapeutic Targets in Mycobacteria. Journal of Biological Chemistry, 2011, 286, 1277-1282.	3.4	43
69	Genetic and Biochemical Investigation of the <i>Escherichia coli</i> Mutant <i>hfl-1</i> Which is Lysogenized at High Frequency by Bacteriophage Lambda. Journal of Bacteriology, 1973, 115, 299-306.	2.2	43
70	The inconsistent distribution of introns in the T-even phages indicates recent genetic exchanges. Nucleic Acids Research, 1989, 17, 301-315.	14.5	42
71	SegG Endonuclease Promotes Marker Exclusion and Mediates Co-conversion from a Distant Cleavage Site. Journal of Molecular Biology, 2003, 334, 13-23.	4.2	42
72	The requirement of nonsense suppression for the development of several phages. Molecular Genetics and Genomics, 1979, 170, 155-159.	2.4	41

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73	Lightning strikes twice: Intron-intein coincidence. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 1356-1357.	7.1	39
74	The beginning of the end: Links between ancient retroelements and modern telomerases. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 9107-9108.	7.1	39
75	An analysis of the processes of infection and induction of E. coli mutant hfl-l by bacteriophage lambda. Virology, 1973, 55, 183-192.	2.4	38
76	Intron-encoded homing endonuclease I-TevI also functions as a transcriptional autorepressor. Nature Structural and Molecular Biology, 2004, 11, 936-944.	8.2	38
77	From Monomeric to Homodimeric Endonucleases and Back: Engineering Novel Specificity of LAGLIDADG Enzymes. Journal of Molecular Biology, 2006, 361, 744-754.	4.2	38
78	Bacteriophage introns: parasites within parasites?. Trends in Genetics, 1989, 5, 209-213.	6.7	37
79	A bacterial group II intron favors retrotransposition into plasmid targets. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 15742-15747.	7.1	37
80	Importance of a Single Base Pair for Discrimination between Intron-Containing and Intronless Alleles by Endonuclease I-BmoI. Current Biology, 2003, 13, 973-978.	3.9	36
81	Coincidence of Cleavage Sites of Intron Endonuclease I-TevI and Critical Sequences of the Host Thymidylate Synthase Gene. Journal of Molecular Biology, 2004, 343, 1231-1241.	4.2	36
82	The cII-independent expression of the phage Î» int gene in RNase III-defective E. coli. Gene, 1980, 11, 149-155.	2.2	34
83	Protein splicing of a recombinase intein induced by ssDNA and DNA damage. Genes and Development, 2016, 30, 2663-2668.	5.9	34
84	Mycobacteriophages as Incubators for Intein Dissemination and Evolution. MBio, 2016, 7, .	4.1	34
85	Role of Exonucleolytic Degradation in Group I Intron Homing in Phage T4. Genetics, 1999, 153, 1501-1512.	2.9	34
86	Selection and Structure of Hyperactive Inteins: Peripheral Changes Relayed to the Catalytic Center. Journal of Molecular Biology, 2009, 393, 1106-1117.	4.2	33
87	Oriented Covalent Immobilization of Antibodies for Measurement of Intermolecular Binding Forces between Zipper-Like Contact Surfaces of Split Inteins. Analytical Chemistry, 2013, 85, 6080-6088.	6.5	32
88	Exploring Intein Inhibition by Platinum Compounds as an Antimicrobial Strategy. Journal of Biological Chemistry, 2016, 291, 22661-22670.	3.4	32
89	Effects of mutations of the bulged nucleotide in the conserved P7 pairing element of the phage T4 td intron on ribozyme function. Biochemistry, 1991, 30, 3295-3303.	2.5	31
90	A mutant screen reveals RNase E as a silencer of group II intron retromobility in <i>Escherichia coli</i>. Rna, 2008, 14, 2634-2644.	3.5	31

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91	A conserved threonine springâ€loads precursor for intein splicing. Protein Science, 2013, 22, 557-563.	7.6	31
92	Intron-encoded Endonuclease I-TevII Binds Across the Minor Groove and Induces Two Distinct Conformational Changes in its DNA Substrate. Journal of Molecular Biology, 1996, 255, 412-424.	4.2	30
93	Analysis of the LAGLIDADG interface of the monomeric homing endonuclease I-DmoI. Nucleic Acids Research, 2004, 32, 3156-3168.	14.5	29
94	Spliceosomal Prp8 intein at the crossroads of protein and RNA splicing. PLoS Biology, 2019, 17, e3000104.	5.6	28
95	RNA splicing and in vivo expression of the intron-containing td gene of bacteriophage T4. Gene, 1986, 41, 93-102.	2.2	27
96	Genetic and molecular analysis of RNA splicing in Escherichia coli. Methods in Enzymology, 1990, 181, 521-539.	1.0	27
97	Interaction of cII, cIII, and cro gene products in the regulation of early and late functions of phage Î». Virology, 1977, 79, 426-436.	2.4	26
98	Social networking between mobile introns and their host genes. Molecular Microbiology, 2010, 78, 1-4.	2.5	26
99	FÃ¶rster resonance energy transfer-based cholesterolysis assay identifies a novel hedgehog inhibitor. Analytical Biochemistry, 2015, 488, 1-5.	2.4	26
100	Conditional Protein Splicing Switch in Hyperthermophiles through an Intein-Extein Partnership. MBio, 2018, 9, .	4.1	26
101	Mycobacterial DnaB helicase intein as oxidative stress sensor. Nature Communications, 2018, 9, 4363.	12.8	26
102	Group II Intron RNPs and Reverse Transcriptases: From Retroelements to Research Tools. Cold Spring Harbor Perspectives in Biology, 2019, 11, a032375.	5.5	26
103	Redox-Responsive Zinc Finger Fidelity Switch in Homing Endonuclease and Intron Promiscuity in Oxidative Stress. Current Biology, 2011, 21, 243-248.	3.9	25
104	Inteins. Current Biology, 2017, 27, R204-R206.	3.9	25
105	Stability of group I intron RNA in Escherichia coli and its potential application in a novel expression vector. Gene, 1988, 73, 295-304.	2.2	24
106	Spontaneous Proton Transfer to a Conserved Intein Residue Determines On-Pathway Protein Splicing. Journal of Molecular Biology, 2011, 406, 430-442.	4.2	24
107	Localization, mobility and fidelity of retrotransposed Group II introns in rRNA genes. Nucleic Acids Research, 2005, 33, 5262-5270.	14.5	23
108	Backbone Dynamics and Global Effects of an Activating Mutation in Minimized Mtu RecA Inteins. Journal of Molecular Biology, 2010, 400, 755-767.	4.2	23

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109	Intron Homing With Limited Exon Homology: Illegitimate Double-Strand-Break Repair in Intron Acquisition by Phage T4. Genetics, 1999, 153, 1513-1523.	2.9	21
110	Sequence specificity of the P6 pairing for splicing of the group Itdintron of phage T4. Nucleic Acids Research, 1989, 17, 9147-9163.	14.5	20
111	Spontaneous shuffling of domains between introns of phage T4. Nature, 1990, 346, 394-396.	27.8	20
112	Protease Activation of Split Green Fluorescent Protein. ChemBioChem, 2010, 11, 2259-2263.	2.6	20
113	RNAâ€"RNA interactions and pre-mRNA mislocalization as drivers of group II intron loss from nuclear genomes. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 6612-6617.	7.1	20
114	Cisplatin protects mice from challenge of <i>Cryptococcus neoformans</i> by targeting the Prp8 intein. Emerging Microbes and Infections, 2019, 8, 895-908.	6.5	20
115	A redox trap to augment the intein toolbox. Biotechnology and Bioengineering, 2013, 110, 1565-1573.	3.3	19
116	Quaternary arrangement of an active, native group II intron ribonucleoprotein complex revealed by small-angle X-ray scattering. Nucleic Acids Research, 2014, 42, 5347-5360.	14.5	19
117	The dynamic intein landscape of eukaryotes. Mobile DNA, 2018, 9, 4.	3.6	18
118	Homology Requirements for Double-Strand Break-Mediated Recombination in a Phage Î»-td Intron Model System. Genetics, 1996, 143, 1057-1068.	2.9	18
119	Electronic Structure of Neighboring Extein Residue Modulates Intein C-Terminal Cleavage Activity. Biophysical Journal, 2011, 100, 2217-2225.	0.5	17
120	Interaction between Conjugative and Retrotransposable Elements in Horizontal Gene Transfer. PLoS Genetics, 2014, 10, e1004853.	3.5	17
121	Distance determination by GIY-YIG intron endonucleases: discrimination between repression and cleavage functions. Nucleic Acids Research, 2006, 34, 1755-1764.	14.5	16
122	Conditional DnaB Protein Splicing Is Reversibly Inhibited by Zinc in Mycobacteria. MBio, 2020, 11, .	4.1	16
123	A single functional arginyl residue involved in the catalysis promoted by Lactobacillus casei thymidylate synthetase. Archives of Biochemistry and Biophysics, 1980, 204, 340-349.	3.0	15
124	Bipolar localization of the group II intron Ll.LtrB is maintained inEscherichia colideficient in nucleoid condensation, chromosome partitioning and DNA replication. Molecular Microbiology, 2006, 62, 709-722.	2.5	15
125	Small-molecule inhibitors for the Prp8 intein as antifungal agents. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	15
126	Single-step affinity purification of toxic and non-toxic proteins on a fluidics platform. Lab on A Chip, 2005, 5, 248.	6.0	13

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127	The group II intron ribonucleoprotein precursor is a large, loosely packed structure. Nucleic Acids Research, 2011, 39, 2845-2854.	14.5	13
128	Group II intron inhibits conjugative relaxase expression in bacteria by mRNA targeting. ELife, 2018, 7, .	6.0	13
129	1H, 13C, and 15N NMR assignments of an engineered intein based on Mycobacterium tuberculosis RecA. Biomolecular NMR Assignments, 2008, 2, 111-113.	0.8	12
130	Role of the Interdomain Linker in Distance Determination for Remote Cleavage by Homing Endonuclease I-TevI. Journal of Molecular Biology, 2008, 379, 1094-1106.	4.2	12
131	Mobile Bacterial Group II Introns at the Crux of Eukaryotic Evolution. , 2015, , 1209-1236.		12
132	Forks in the tracks: Group II introns, spliceosomes, telomeres and beyond. RNA Biology, 2016, 13, 1218-1222.	3.1	12
133	Group II intron-ribosome association protects intron RNA from degradation. Rna, 2013, 19, 1497-1509.	3.5	11
134	Group II intron as cold sensor for self-preservation and bacterial conjugation. Nucleic Acids Research, 2020, 48, 6198-6209.	14.5	10
135	Efficient suppression of the requirement for N function of bacteriophage Î» by a rho-defective E. coli suA mutant. Molecular Genetics and Genomics, 1976, 148, 171-173.	2.4	9
136	Probing the infra-structure of thymidylate synthase and deoxycytidylate deaminase. Advances in Enzyme Regulation, 1984, 22, 413-430.	2.6	9
137	Functional defects in transfer RNAs lead to the accumulation of ribosomal RNA precursors. Rna, 2007, 13, 597-605.	3.5	9
138	Mechanism of Single-Stranded DNA Activation of Recombinase Intein Splicing. Biochemistry, 2019, 58, 3335-3339.	2.5	9
139	Protein overproduction in Escherichia coli: RNA stabilization, cell disruption and recovery with a cross-flow microfiltration membrane. Journal of Biotechnology, 1991, 18, 225-242.	3.8	7
140	Homing endonuclease I-TevIII: dimerization as a means to a double-strand break. Nucleic Acids Research, 2007, 35, 1589-1600.	14.5	7
141	1H, 13C, and 15N NMR assignments of a Drosophila Hedgehog autoprocessing domain. Biomolecular NMR Assignments, 2014, 8, 279-281.	0.8	7
142	Bacterial Group II Intron Genomic Neighborhoods Reflect Survival Strategies: Hiding and Hijacking. Molecular Biology and Evolution, 2020, 37, 1942-1948.	8.9	7
143	Visualization of a group II intron in the 23S rRNA of a stable ribosome. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 9838-9843.	7.1	6
144	Structural accommodations accompanying splicing of a group II intron RNP. Nucleic Acids Research, 2018, 46, 8542-8556.	14.5	6

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145	Exon and protein positioning in a pre-catalytic group II intron RNP primed for splicing. Nucleic Acids Research, 2020, 48, 11185-11198.	14.5	6
146	Back to Basics: Structure, Function, Evolution and Application of Homing Endonucleases and Inteins. , 2005, , 1-10.		5
147	Repressor and int synthesis of bacteriophage Î» in the E. coli host mutant ER437. Molecular Genetics and Genomics, 1977, 155, 347-349.	2.4	4
148	Crystallization and preliminary crystallographic analysis of the archaeal intron-encoded endonuclease I-DmoI. Acta Crystallographica Section D: Biological Crystallography, 1998, 54, 1435-1436.	2.5	3
149	Scientific Serendipity Initiates an Intron Odyssey. Journal of Biological Chemistry, 2009, 284, 29997-30003.	3.4	3
150	Meeting report: mobile genetic elements and genome plasticity 2018. Mobile DNA, 2018, 9, 21.	3.6	3
151	RNA processing in a structural gene from bacteriophage T4. Biochemical Society Transactions, 1986, 14, 813-815.	3.4	2
152	Methylation of rRNA as a host defense against rampant group II intron retrotransposition. Mobile DNA, 2021, 12, 9.	3.6	2
153	Mapping Homing Endonuclease Cleavage Sites Using In Vitro Generated Protein. Methods in Molecular Biology, 2014, 1123, 55-67.	0.9	2
154	Application of the microwave oven to scale-up in biological temperatures-shift experiments. Journal of Microbiological Methods, 1983, 1, 191-195.	1.6	1
155	Homing sweet homing: mobile introns in bacterial viruses. Seminars in Virology, 1995, 6, 65-73.	3.9	1
156	Backbone assignments of mini-RecA intein with short native exteins and an active N-terminal catalytic cysteine. Biomolecular NMR Assignments, 2015, 9, 235-238.	0.8	1
157	Structure of an engineered intein reveals thiazoline ring and provides mechanistic insight. Biotechnology and Bioengineering, 2019, 116, 709-721.	3.3	1
158	4981791 RNA stabilization vector. International Journal of Biochemistry & Cell Biology, 1991, 23, v.	0.5	0
159	The win-win potential for motherhood and science. Current Biology, 2001, 11, R41-R42.	3.9	0
160	Homing Endonuclease I-TevI: An Atypical Zinc Finger with a Novel Function. , 2005, , 35-38.		0
161	Hand-Holding for Retrohoming in a Molecular Diversity Dance. Structure, 2013, 21, 195-196.	3.3	0
162	Branching out of the intein active site in protein splicing. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 8323-8324.	7.1	0

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163	Mobile DNA: an evolving field. Mobile DNA, 2014, 5, 16.	3.6	0
164	A decades-long journey with mobile introns. Rna, 2015, 21, 567-568.	3.5	0
165	Processing and Genetic Characterization of Self-Splicing RNAs of Bacteriophage T4. , 1987, , 45-66.		0
166	A site-specific endonuclease and co-conversion of flanking exons associated with the mobile td intron of phage T4**Presented at the Albany Conference on â€˜RNA: Catalysis, Splicing, Evolutionâ€™. Rensselaerville, N.Y. (U.S.A.), 22-25 September, 1988.. , 1989, , 119-126.		0
167	Mobile introns: definition of terms and recommended nomenclature**Presented at the Albany Conference on â€˜RNA: Catalysis, Splicing, Evolutionâ€™, Rensselaerville, NY (U.S.A.) 22-25 September, 1988.. , 1989, , 115-118.		0