

Ian Barr

List of Publications by Year in descending order

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16
papers

835
citations

686830

13
h-index

940134

16
g-index

18
all docs

18
docs citations

18
times ranked

1255
citing authors

#	ARTICLE	IF	CITATIONS
1	Microbial biosynthesis of medium-chain 1-alkenes by a nonheme iron oxidase. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 18237-18242.	3.3	174
2	Demonstration That the Radical S-Adenosylmethionine (SAM) Enzyme PqqE Catalyzes de Novo Carbon-Carbon Cross-linking within a Peptide Substrate PqqA in the Presence of the Peptide Chaperone PqqD. Journal of Biological Chemistry, 2016, 291, 8877-8884.	1.6	98
3	Ferric, not ferrous, heme activates RNA-binding protein DGCR8 for primary microRNA processing. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 1919-1924.	3.3	90
4	Pyridine Hemochromagen Assay for Determining the Concentration of Heme in Purified Protein Solutions. Bio-protocol, 2015, 5, .	0.2	83
5	PqqD Is a Novel Peptide Chaperone That Forms a Ternary Complex with the Radical S-Adenosylmethionine Protein PqqE in the Pyrroloquinoline Quinone Biosynthetic Pathway. Journal of Biological Chemistry, 2015, 290, 12908-12918.	1.6	72
6	Processing of microRNA primary transcripts requires heme in mammalian cells. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 1861-1866.	3.3	69
7	Identification of a cis-acting element that localizes mRNA to synapses. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 4639-4644.	3.3	60
8	DiGeorge Critical Region 8 (DGCR8) Is a Double-cysteine-ligated Heme Protein. Journal of Biological Chemistry, 2011, 286, 16716-16725.	1.6	54
9	X-ray and EPR Characterization of the Auxiliary Fe ²⁺ S Clusters in the Radical SAM Enzyme PqqE. Biochemistry, 2018, 57, 1306-1315.	1.2	31
10	Evidence of a novel RNA secondary structure in the coding region of HIV-1 <i>pol</i> gene. Rna, 2008, 14, 2478-2488.	1.6	21
11	At the confluence of ribosomally synthesized peptide modification and radical S-adenosylmethionine (SAM) enzymology. Journal of Biological Chemistry, 2017, 292, 16397-16405.	1.6	20
12	Dimerization and Heme Binding Are Conserved in Amphibian and Starfish Homologues of the microRNA Processing Protein DGCR8. PLoS ONE, 2012, 7, e39688.	1.1	20
13	A two-component protease in <i>Methylorubrum extorquens</i> with high activity toward the peptide precursor of the redox cofactor pyrroloquinoline quinone. Journal of Biological Chemistry, 2019, 294, 15025-15036.	1.6	19
14	Cobalt(III) Protoporphyrin Activates the DGCR8 Protein and Can Compensate microRNA Processing Deficiency. Chemistry and Biology, 2015, 22, 793-802.	6.2	11
15	Primary MicroRNA Processing Assay Reconstituted Using Recombinant Drosha and DGCR8. Methods in Molecular Biology, 2014, 1095, 73-86.	0.4	6
16	CO and NO bind to Fe(II) DiGeorge critical region 8 heme but do not restore primary microRNA processing activity. Journal of Biological Inorganic Chemistry, 2016, 21, 1021-1035.	1.1	4