

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