# Ian Barr

List of Publications by Year
in descending order



| 16 | 835 | 687363 13 | 940533 16 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 18 | 18 | 18 | 1255 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | A two-component protease in Methylorubrum extorquens with high activity toward the peptide precursor of the redox cofactor pyrroloquinoline quinone. Journal of Biological Chemistry, 2019, 294, 15025-15036. | 3.4 | 19 |
| 2 | X-ray and EPR Characterization of the Auxiliary Feâ€“S Clusters in the Radical SAM Enzyme PqqE. Biochemistry, 2018, 57, 1306-1315. | 2.5 | 31 |
| 3 | At the confluence of ribosomally synthesized peptide modification and radical S-adenosylmethionine (SAM) enzymology. Journal of Biological Chemistry, 2017, 292, 16397-16405. | 3.4 | 20 |
| 4 | 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. | 2.6 | 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. Journal of Biological Chemistry, 2016, 291, 8877-8884. | 3.4 | 98 |
| 6 | Cobalt(III) Protoporphyrin Activates the DGCR8 Protein and Can Compensate microRNA Processing Deficiency. Chemistry and Biology, 2015, 22, 793-802. | 6.0 | 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. Journal of Biological Chemistry, 2015, 290, 12908-12918. | 3.4 | 72 |
| 8 | Pyridine Hemochromagen Assay for Determining the Concentration of Heme in Purified Protein Solutions. Bio-protocol, 2015, 5, . | 0.4 | 83 |
| 9 | 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. | 7.1 | 174 |
| 10 | 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. | 7.1 | 69 |
| 11 | Primary MicroRNA Processing Assay Reconstituted Using Recombinant Drosha and DGCR8. Methods in Molecular Biology, 2014, 1095, 73-86. | 0.9 | 6 |
| 12 | 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. | 7.1 | 90 |
| 13 | 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. | 7.1 | 60 |
| 14 | Dimerization and Heme Binding Are Conserved in Amphibian and Starfish Homologues of the microRNA Processing Protein DGCR8. PLoS ONE, 2012, 7, e39688. | 2.5 | 20 |
| 15 | DiGeorge Critical Region 8 (DGCR8) Is a Double-cysteine-ligated Heme Protein. Journal of Biological Chemistry, 2011, 286, 16716-16725. | 3.4 | 54 |
| 16 | Evidence of a novel RNA secondary structurein the coding region of HIV-1 pol gene. Rna, 2008, 14, 2478-2488. | 3.5 | 21 |