

Michael G Hill

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,928
citations

567281

15
h-index

642732

23
g-index

29
all docs

29
docs citations

29
times ranked

1943
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Mutation detection by electrocatalysis at DNA-modified electrodes. <i>Nature Biotechnology</i> , 2000, 18, 1096-1100. | 17.5 | 646 |
| 2 | Long-Range Electron Transfer through DNA Films. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 941-945. | 13.8 | 406 |
| 3 | Uclacyanins, stellacyanins, and plantacyanins are distinct subfamilies of phycocyanins: Plant-specific mononuclear blue copper proteins. <i>Protein Science</i> , 1998, 7, 1915-1929. | 7.6 | 167 |
| 4 | Helix-Dependent Spin Filtering through the DNA Duplex. <i>Journal of the American Chemical Society</i> , 2016, 138, 15551-15554. | 13.7 | 103 |
| 5 | Reduction potentials of blue and purple copper proteins in their unfolded states: a closer look at rack-induced coordination. <i>Journal of Biological Inorganic Chemistry</i> , 1998, 3, 367-370. | 2.6 | 83 |
| 6 | Label-free electrochemical detection of human methyltransferase from tumors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 14985-14989. | 7.1 | 70 |
| 7 | Backbone-Engineered High-Potential Iron Proteins: Effects of Active-Site Hydrogen Bonding on Reduction Potential. <i>Journal of the American Chemical Society</i> , 2000, 122, 11039-11040. | 13.7 | 62 |
| 8 | Morphology of 15-mer Duplexes Tethered to Au(111) Probed Using Scanning Probe Microscopy. <i>Langmuir</i> , 2001, 17, 5727-5730. | 3.5 | 61 |
| 9 | Integrity of <i>thermus thermophilus</i> cytochrome <i>c</i> ₅₅₂ Synthesized by <i>escherichia coli</i> cells expressing the host-specific cytochrome <i>c</i> maturation genes, <i>ccm</i> ABCDEF: Biochemical, spectral, and structural characterization of the recombinant protein. <i>Protein Science</i> , 2000, 9, 2074-2084. | 7.6 | 53 |
| 10 | Electrochemistry of the CuA domain of <i>Thermus thermophilus</i> cytochrome <i>ba</i> 3. <i>Journal of Biological Inorganic Chemistry</i> , 1996, 1, 529-531. | 2.6 | 42 |
| 11 | Rational Fine-Tuning of the Redox Potentials in Chemically Synthesized Rubredoxins. <i>Journal of the American Chemical Society</i> , 1998, 120, 11536-11537. | 13.7 | 39 |
| 12 | DNA Electrochemistry: Charge-Transport Pathways through DNA Films on Gold. <i>Journal of the American Chemical Society</i> , 2021, 143, 11631-11640. | 13.7 | 37 |
| 13 | Selenomethionine-Substituted <i>Thermus thermophilus</i> Cytochrome <i>ba</i> 3: Characterization of the CuA Site by Se and Cu K-EXAFS. <i>Biochemistry</i> , 1999, 38, 7075-7084. | 2.5 | 36 |
| 14 | Electrochemical and structural characterization of <i>Azotobacter vinelandii</i> flavodoxin II. <i>Protein Science</i> , 2017, 26, 1984-1993. | 7.6 | 22 |
| 15 | Controlled Potential Electromechanical Reshaping of Cartilage. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 5497-5500. | 13.8 | 14 |
| 16 | The biophysical effects of localized electrochemical therapy on porcine skin. <i>Journal of Dermatological Science</i> , 2020, 97, 179-186. | 1.9 | 9 |
| 17 | Ten ways to improve academic CVs for fairer research assessment. <i>Humanities and Social Sciences Communications</i> , 2021, 8, . | 2.9 | 9 |
| 18 | A Cobalt Phosphine Complex in Five Oxidation States. <i>Inorganic Chemistry</i> , 2021, 60, 17445-17449. | 4.0 | 8 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Electrochemical degradation and saponification of porcine adipose tissue. Scientific Reports, 2020, 10, 20745. | 3.3 | 5 |
| 20 | Heterogeneous catalysis for azide-alkyne bioconjugation in solution via spin column: Attachment of dyes and saccharides to peptides and DNA. BioTechniques, 2015, 59, 329-334. | 1.8 | 2 |
| 21 | Controlledâ€Potential Electromechanical Reshaping of Cartilage. Angewandte Chemie, 2016, 128, 5587-5590. | 2.0 | 2 |
| 22 | The jury is out: a new approach to awarding science prizes. F1000Research, 0, 10, 1237. | 1.6 | 2 |
| 23 | Exploring feedbackâ€controlled versus openâ€circuit electrochemical lipolysis in ex vivo and in vivo porcine fat: A feasibility study. Lasers in Surgery and Medicine, 2021, , . | 2.1 | 1 |
| 24 | Swiss Science Prize Marcel Benoist. , 2021, , 197-206. | | 1 |
| 25 | Potential-Driven Electrochemical Clearing of Ex Vivo Alkaline Corneal Injuries. Translational Vision Science and Technology, 2022, 11, 32. | 2.2 | 1 |
| 26 | Electron Flow through Iron and Copper Proteins. Bulletin of Japan Society of Coordination Chemistry, 2011, 57, 2-12. | 0.2 | 0 |