

Publications List:

Undergraduate author

100. "Skin Remodeling Effects of Electrochemical Therapy" Tiffany T. Pham, Ellen Hong, Wesley Moy, Jiayi Zhao, Allison Hu, Christian Barnes, Pamela Borden, Ryan Sivoraphonh, Tatiana Krasieva, Lauren Lee, Eun Hee Kim, Sanghyun Nam, Wangcun Jia, Ji-Hun Mo, Sehwan Kim, Michael G. Hill, Brian J.F. Wong* *Journal of Investigative Dermatology* **2021**, in press.
99. "Comparative Effects of Feedback Controlled *versus* Open Circuit Electrochemical Lipolysis of *in-vivo* Porcine Fat" Andrew E. Heidari, Ellen M. Hong, Tiffany T. Pham, Earl Steward, Lily Y. Chen, Yueqiao Qu, Brandon Dunn, Amir Hakimi, Adeela Syed, Sehwan Kim, Michael G. Hill, Joon You, Brian J.F. Wong *Lasers in Surgery and Medicine* **2021**, in press.
98. "DNA Electrochemistry: Charge-Transport Pathways through DNA Films on Gold" Adela Nano, Ariel L. Furst,* Michael G. Hill,* Jacqueline K. Barton* *Journal of the American Chemical Society* **2021**, in press.
97. "*In Situ* Electrochemical Lipolysis" Tiffany T. Pham, Anna Stokolosa, Pamela Borden, Kyle Hansen, Ellen Hong, Tatiana B. Karsieva, Ryan Sivoraphonh, Wesley, J. Moy, Lauren Lee, Eun Hee Kim, Chung-Ho Sun, Wangcun Jia, Ji-Hun Mo, Sehwan Kim, Michael G. Hill,* Brian J.F. Wong* *Scientific Reports* **2020**, *10*, 20745.
96. "The Biophysical Effects of Localized Electrochemical Therapy on Porcine Skin" Tiffany T. Pham, Ellen M. Hong, Wesley J. Moy, Jiayi Zhao, Allison C. Hu, Christian H. Barnes, Pamela A. Borden, Ryan Sivoraphonh, Tatiana B. Krasieva, Lauren H. Lee, Andrew E. Heidari, Eun Hee Kim, Sang Hyun Nam, Wangcun Jia, Ji-Hun Mo, Sehwan Kim, Michael G. Hill, Brian J.F. Wong *Journal of Dermatological Science* **2020**, *97*, 179-186.
95. "Toward Multimarker and Functional Assays from Crude Cell Lysates: Controlling Spacing and Signal Amplification in DNA-CT-Based Bioelectrochemical Devices." Ariel L. Furst, Natalie Muren, Michael G. Hill* *Current Opinion in Electrochemistry* **2019**, *14*, 104 - 111.
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92. "Two-Electrode Platforms for Protein Biosensing based on Charge Transport through the DNA Double Helix" Ariel L. Furst, Michael G. Hill,* Jacqueline K. Barton,* in "Electroanalytical Chemistry: A Series of Advances, Vol. 27" A. J. Bard and C. Zoski, eds. CRC Press, New York, New York, 2017.
91. "Helix-Dependent Spin Filtering through DNA" Theodore J. Zwang, Sylvia Hurlimann, Michael G. Hill, Jacqueline K. Barton* *Journal of the American Chemical Society* **2016**, *138*, 15554.
90. "Reduced and Superreduced Diplatinum Complexes" Tania Darnton, Bryan M. Hunter, Michael G. Hill, Zalis Stanislav, Antonin Vlcek, Harry B. Gray* *Journal of the American Chemical Society* **2016**, *138*, 5699.

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85. "Label-Free Electrochemical Detection of Human Methyltransferase from Tumors" Ariel L. Furst, Natalie B. Muren, Michael G. Hill,* Jacqueline K. Barton* *Proceedings of the National Academy of Sciences, USA* **2014**, *111*, 14985.
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