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Max Kutler* (max.kutler@uky.edu), University of Kentucky, Department of Mathematics, 719 Patterson Office Tower, Lexington, KY 40506-0027. *Motivic and topological zeta functions of matroids.*

We associate to any matroid a motivic zeta function. If the matroid is representable by a complex hyperplane arrangement, then this coincides with the motivic Igusa zeta function of the arrangement. Moreover, it specializes to the topological zeta function introduced by van der Veer. We survey what is currently known about these zeta functions, and present some open questions. (Received January 19, 2021)