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Kanako Oshiro* (oshirok@sophia.ac.jp), Dept. of Information and Communication Science, Sophia University, 4-7 Yonban-cho, Chiyoda-ku, Tokyo, 1020081, Japan, and **Atsushi Ishii** (aishii@math.tsukuba.ac.jp), Institute of Mathematics, University of Tsukuba, 1-1-1 Tennodai, Tsukuba, Ibaraki, 3058571, Japan. *Augmented Alexander matrices and generalizations of twisted Alexander invariants and quandle cocycle invariants.*

We introduce augmented Alexander matrices and show that several link invariants can be obtained from them. In particular, normalized twisted Alexander polynomials and quandle cocycle invariants are extracted from augmented Alexander matrices. (Received February 19, 2017)