

Luo, Qiu-Ming

q-extensions for the Apostol-Genocchi polynomials. (English) Zbl 1189.11016
Gen. Math. 17, No. 2, 113-125 (2009).

Summary: In this paper, we define the Apostol-Genocchi polynomials and *q*-Apostol-Genocchi polynomials. We give the generating function and some basic properties of *q*-Apostol-Genocchi polynomials. Several interesting relationships are also obtained.

MSC:

11B83 Special sequences and polynomials
11M35 Hurwitz and Lerch zeta functions
11S40 Zeta functions and *L*-functions
33E20 Other functions defined by series and integrals
05A30 *q*-calculus and related topics

Cited in **24** Documents**Keywords:**

q-Genocchi polynomials; *q*-Apostol-Genocchi polynomials; *q*-Hurwitz-Lerch zeta function; *q*-Goyal-Laddha-Hurwitz-Lerch zeta function

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