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**Title:** Finite groups whose conjugacy class sizes of primary and biprimary elements are Hall numbers

**Author(s):** Changguo Shao and Qinhui Jiang

Let  $G$  be a finite group, and  $m$  be a positive integer. Then  $m$  is called a Hall number of  $G$  if  $m$  is a positive divisor of  $|G|$  satisfying  $\gcd(|G|/m, m) = 1$ . In this paper, we classify finite groups whose conjugacy class sizes of primary and biprimary elements are Hall numbers.

**Address:**

Changuo Shao  
School of Mathematical Sciences  
University of Jinan  
250022, Shandong  
China

**Address:**

Qinhui Jiang  
School of Mathematical Sciences  
University of Jinan  
250022, Shandong  
China