

**On singular elliptic equations involving a concave term and critical  
Caffarelli-Kohn-Nirenberg exponent**

Bouчекif Mohammed; Matallah Atika

**Abstract :**

In this paper, we establish the existence of multiple positive solutions for singular elliptic equations involving a concave term and critical Caffarelli-Kohn-Nirenberg exponent.

**Keywords :** Variational methods; concave term; critical Caffarelli-Kohn-Nirenberg exponent; singular weights; Palais-Smale condition; MSC (2010); 35A15; 35B25; 35B33; 35J60.

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