

678.044:662.767

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In the article the modern state in branch of practical application of catalytic combustion is considered. Advantages and lacks of technology are resulted. The list of catalysts of process is given. The analysis of prospects of application of catalytic combustion in various branches of industry is conducted. Recommendations as for direction of subsequent researches in this sphere are presented.

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- • -

- Pt Pd, -

- -

- “ ” -

- , < 0,6 % . [1, 2]. -

- , -

- • -

MgCr₂O₄,

500 °

La – Mn

– Ni

NO_x 5 – 10 %,
– 40 – 50 % [3].

VIII)

2 4,

Cu – Cr

(CuCr₂O₄/ -Al₂O₃),

-12-70.

(),

70 – 80

1)

CuCr_2O_4 0,48 4,91 ²/ [6].

0,37 / 2.
396 ²,

[7].

[8, 9]. [9]

- Al_2O_3

3,5 , NO_x 2,2

10 %.

: 1.

. 22-28. 2.

5.

/

. 27-30. 7.

. 17-21. 8.

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, , 2006, . 33-35.

18.04.07