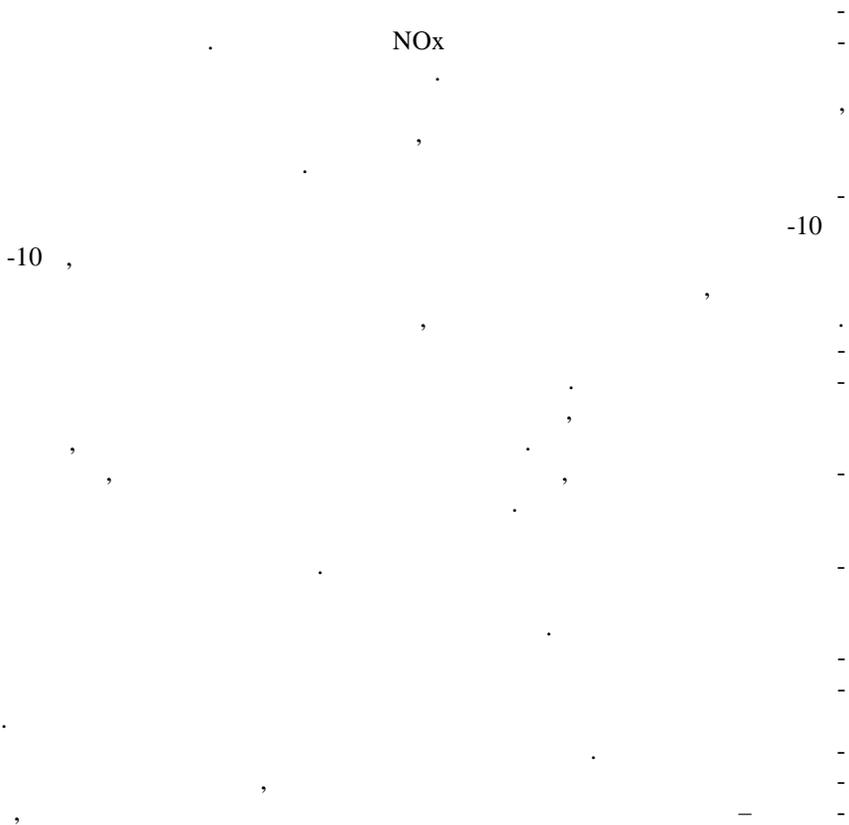


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• • , • • , « »

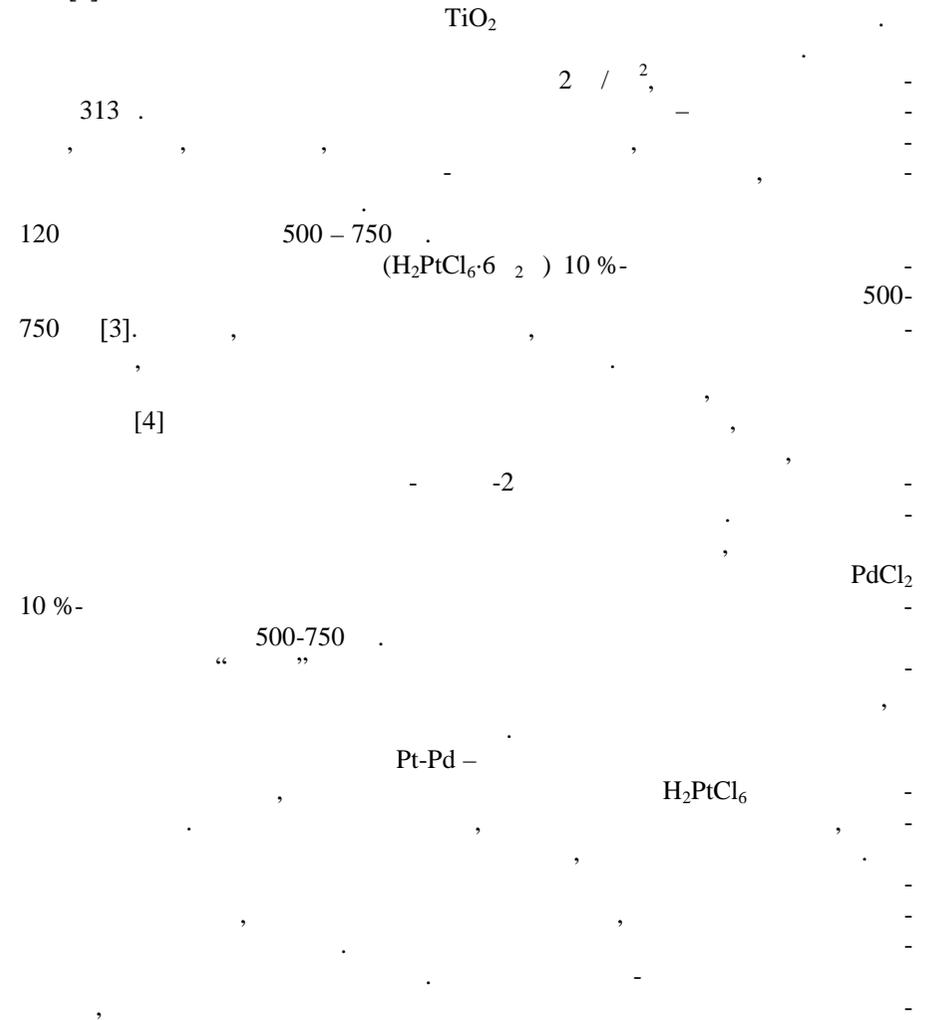
(Ti – TiO₂ – Pt - Pd)

In the article the problem of creation of the effective catalyst on metal carrier for exhausted gases cleaning from nitrogen oxides is studied. The role of palladium as promoter as for catalyst properties of the system is shown. The results of experiments as for influence of various factors on the activity of the mom-system are given.



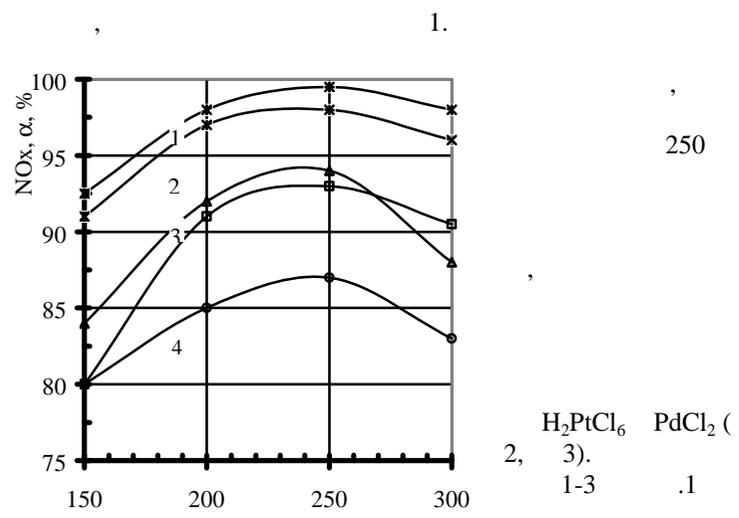
[1].

[2].



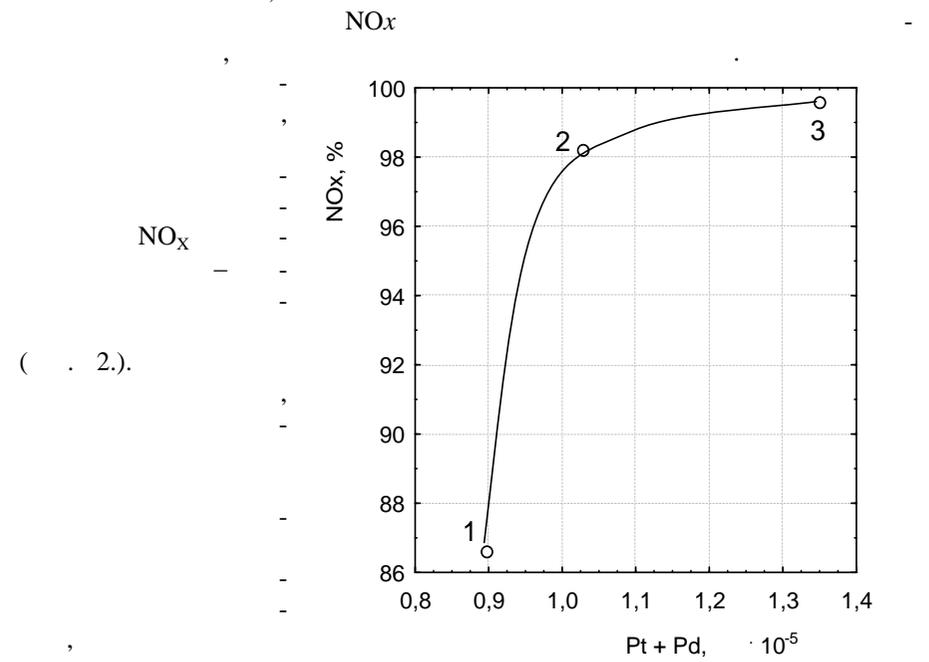
NO_x 0,1-0,3 %
 10000⁻¹
 150-300
 -3.

1	10 % H ₂ PtCl ₆ - 3 + 10 % PdCl ₂ - 1	1,35·10 ⁻⁵
2	10 % H ₂ PtCl ₆ - 2 + 10 % PdCl ₂ - 1	1,13·10 ⁻⁵
3	10 % H ₂ PtCl ₆ - 1 + 10 % PdCl ₂ - 1	1,028·10 ⁻⁵
4	10 % PdCl ₂ - 3	0,896·10 ⁻⁵
5	10 % H ₂ PtCl ₆ - 3	1,209·10 ⁻⁵
6	10 % H ₂ PtCl ₆ - 2	0,763·10 ⁻⁵
7	10 % H ₂ PtCl ₆ - 1	0,487·10 ⁻⁵



H₂PtCl₆ PdCl₂ (1, 2, 3).
 1-3 .1
 Pt (5)

(Pt-Pd - 4),
 5,
 Pt,
 4,



NO_x (. 2.).
 1 - 10% PdCl₂ -3 ; 2-10% H₂PtCl₆ +10 % PdCl₂ ;
 3 - 10% H₂PtCl₆ -3 +10 % PdCl₂
 .2. NO_x
 1-2-
 H₂PtCl₆ PdCl₂.
 10 %-

1. // 2000. 1. 1. 71-76.
 2. // « » 2002. 17. 49-52.
 3. // 2003. 2. 51-53.
 4. // 1986. 304 .

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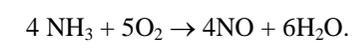
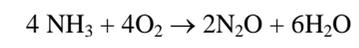
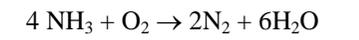
628.543.22

A method of ammonia removal from gaseous emissions has been developed consisting in passing ammonia-containing emissions through the mixture of iron-chromium/nickel-chromium catalyst bed. In the course of the process a high ammonia conversion is attained with minimal formation of NOx.

[1-3].

[4].

[5-8].



[8].

- ;
- $3/$ $3/$);
- ;
- ;
- ;

0,05

0,5