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: 1.

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 1987. – 847 . 2.
 , 1988. – 304 . 3. . . . 216972
 , 42 , 31/01 G01 16 (15). 1958 4.
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 « » , . 2003. – 160 .

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621. 359. 669

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 , , ” ”

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Fe – Co

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The authors analyze the effect of electrode materials and current density's nature on the voltage on electrolytic cell. The voltage and its dependence on current decreases for Co – Fe alloy in comparison to the commercial electrode materials. The prospects of iron – cobalt alloy usage as electrode material for water-alkaline electrolysis are also considered.

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 - , -
 , - , -

[1].

[2].

[3].

1,5

" . "

0,8 9 ,
 () = 20 % ,

Fe - Co

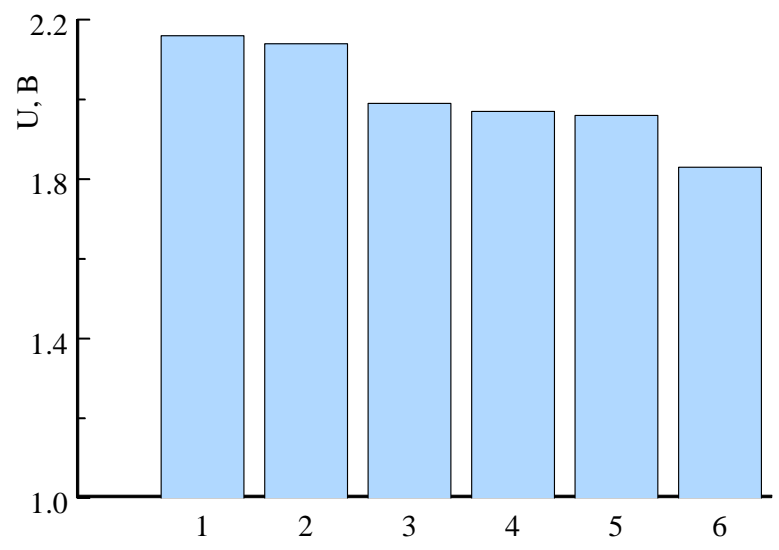
1 2 .

[4].

7-35;

(, ,) ,

Co₃O₄



[5].

$$j = 200 / ^2 (.1)$$

(1 2)

. 1.

(/) :

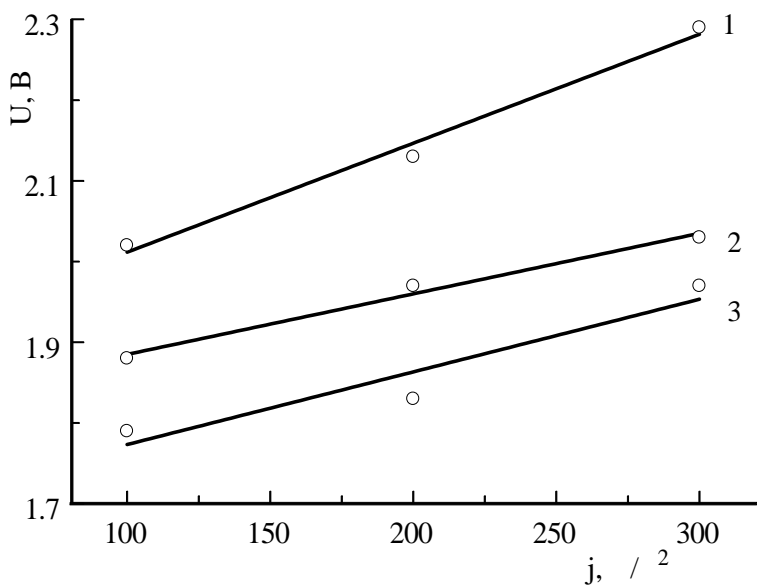
- 1 - / ; 2 - Ni/Ni; 3 - Fe - Co (() = 20 %)/Ni;
- 4 - Fe - Co (() = 20 %)/Fe;
- 5 - Fe - Co (() = 20 %)/ ;
- 6 - Fe - Co (() = 20 %)/ Fe - Co (() = 20 %).

Fe - Co

3 – 5), 20 %

10 % (. 1,

(. 1, 6).



(. 2).

. 2

200 / 2

. 2.

1 – Ni

2 – Fe – Co (() = 20 %), Fe,
3 – Fe – Co (() = 20 %).

120 ,

0,2

: 1.

, 1989. – 672 . 2.

, 1981. – 280 . 3.

, 2002. – 254 . 4.

, 1994. – 98 . 5.

, 2002. – 336 .