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The corrosion behavior of multielectrode systems in the inhibiting water solutions against their composition and concentration is explored. The corrosion rate indexes of short-circuited galvanic couples are determined. The optimum composition as well as the work mechanism of proposed inhibitor solution is given.

• ,
 , (VI) [1],
 ,
 7 150 , AZ, 0
 . 3. (3 %- NaCl pH = 6),
 .
 -50-1.1 -8 -
 .
 3 %- NaCl
 (VI).

(Cu – Fe, Cu – Al, Fe – Al),

7-35

[2].

[3].

Zn²⁺ [4]

/ Zn²⁺.

(),

[1].

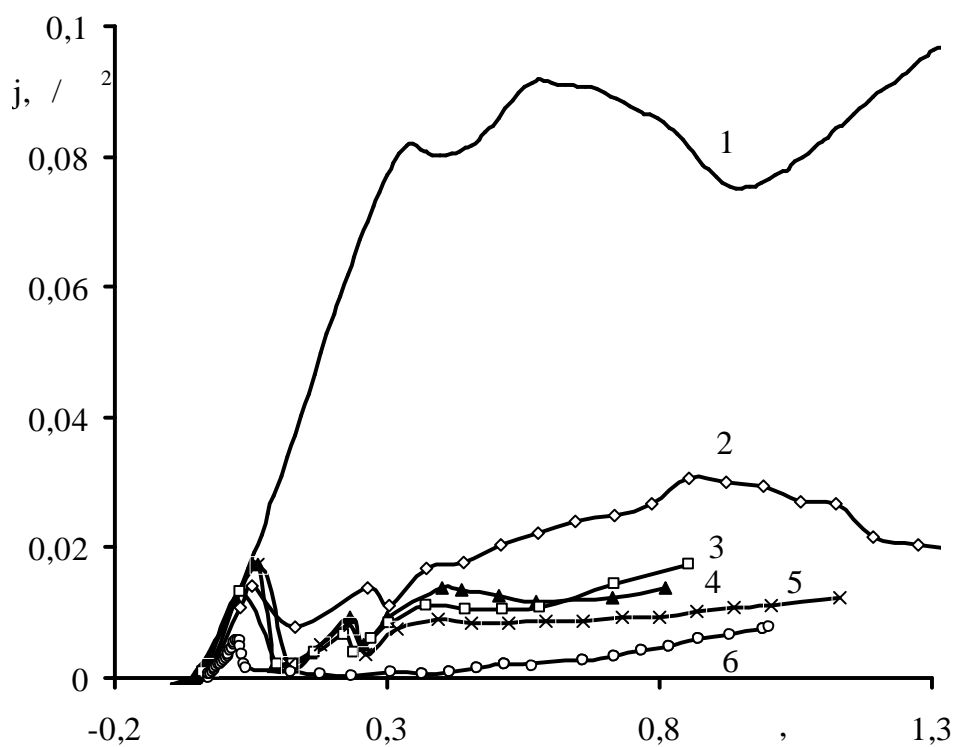
(. 1, 1)

3%-(0,5 – 1,2)

NaCl

0,2 – 0,5

(. . .).



. 1. :
 1 – ; 2 – Cr (VI);
 3 – 0,2 / ³ / Zn²⁺ = 1 : 1; 4 – 0,2 / ³ ;
 5 – 0,06 / ³ 2 ; 6 – 0,1 / ³

(.1, 2).

0,25 .

,

0,02 / ².

3%- NaCl

,

0,23 (.1, 5),

(0,018

/ ²)

(0,09 / ²).

,

0,25 – 1,25 ,

-

0,01 / ².

-

(.1, 4)

(.1,

3).

,

-

/ Zn²⁺

-

.

(.1,

6).

-

,

0,13 0,2 ,

. ,

0,1

50 ,

0,001 / ².

.

,

-

,

-

.

-

(.2).

-

-

,

.

,

,

:

1)

;

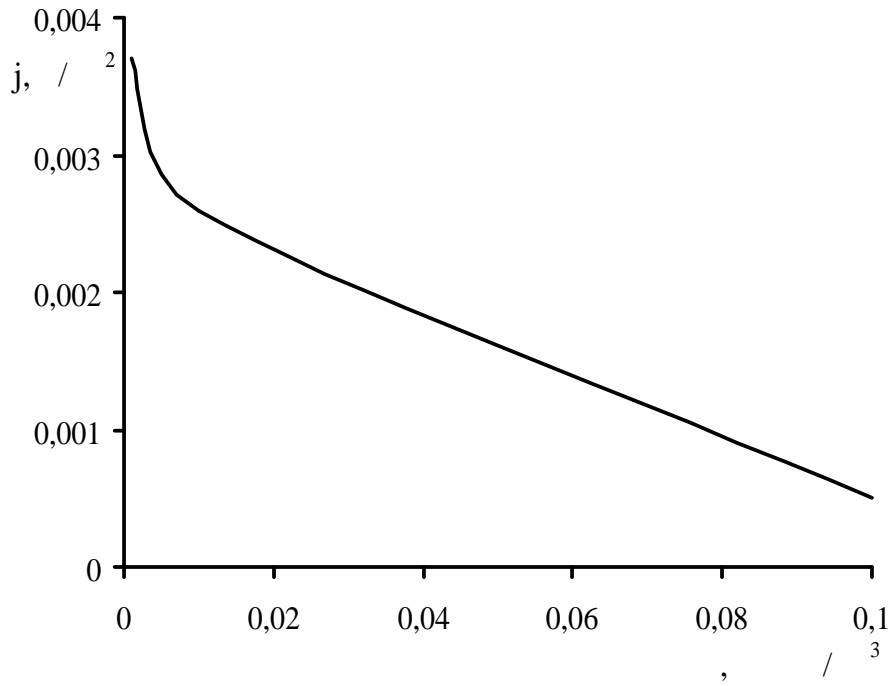
2)

;

3)

Z

(VI).



.2.

	Al –			Cu –			Al – Cu		
	3%- NaCl			3%- NaCl			3%- NaCl		
, m, / (2.)	14	14	18	14	14	18	14	14	18
	0,23	0,02	0,01	0,15	0,08	0,01	0,14	0,04	0,02

h, /	0,74	0,08	0,02	0,17	0,09	0,02	0,47	0,14	0,05
Z, %	-	89,6	97,1	-	87,9	90,5	-	69,5	88,7
,	-	9,6	34,2	-	8,3	10,5	-	3,3	8,8

3 – 5

(VI).

: 1. – .: , 1977. – 350 .
 2. – .: ,
 1986. – 78 . 3. -
 . – 73, 2004, . 79 – 93. 4. -
 . – . . . 38, 2002, . 122 – 131.

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 , . - ,

The thermodynamic aspects of electrochemical method for getting Ammonia steady micro flow were observed. The partial reaction's kinetic parameters and limiting stages of Hydroxilamine reduction are established. The Hydroxilamine reduction from aqua solutions was shown to be accompanied by preceding chemical stage and adsorption of electrode-active particles. The Palladium alloys as catalytic-active electrode material were shown to increase the process rate.