

- : 1. – „ ”, 1993. – 540 .
- 2. ; – . : , 1981. – 632 .
- 3. u 2006 04243, 2006. „ „

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541.13; 621.35

. , „ ”

Aluminum alloys and stainless steel form forming anodic treatment leading to specific area growth was investigated. Electrolyte composition as well as no stationary electrolysis regimes influence on the morphology and extended surface value under mechanic resistance retention was established. The general lows for passivating metals surface treatment control were justified.

. , , - , - , - « - » , - [1].

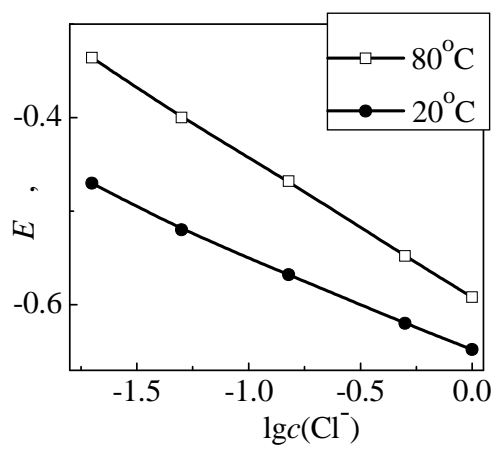
[2],
 (0,5 - 1 /)

-50-1.
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 18 10
 [3, 4].
 - XE.
 (XE),
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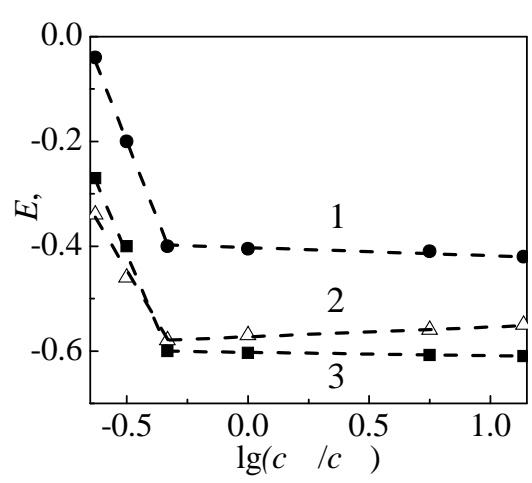
10
 [5],
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 c_{Cl^-} $c_{NO_3^-}$ $c_{ClO_4^-}$
 Cl^-
 (),
 $-lg c_{Cl^-}$ (.1)
 Cl^-

[6]. E [7]. E AlO(OH) , $(\text{ClO}_4^-, \text{NO}_3^-)$

$\lg c_{\text{Cl}^-}$, $(\text{ClO}_4^-, \text{NO}_3^-)$ (. 2) (. 1). E 300 . [4].



. 1.



. 2.

(1),

(2) (3)

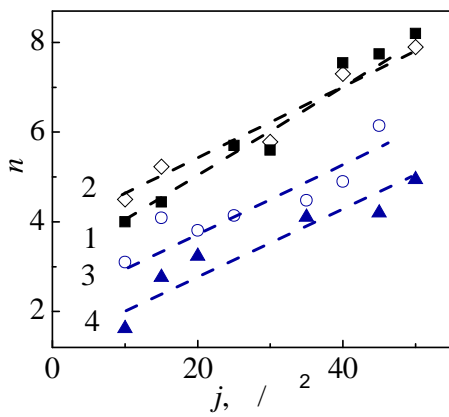
20°

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 . [8] ,
 . t t , q, I ()
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 . t_i 5 0,5
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 2000 / ² (.3). ,
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$$Q > 2000 \quad / \quad ^2 \quad (\quad .4).$$

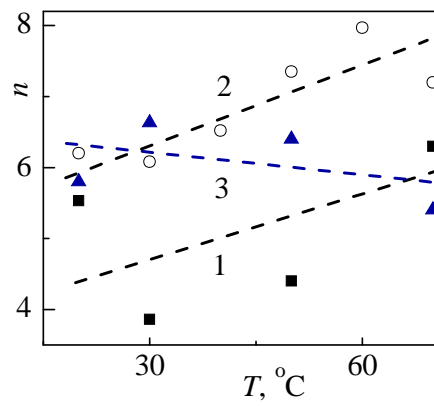
(III)

[8],
(Cl⁻) (Fe³⁺)



.3.

$Q, \quad / \quad ^2$: 3000 (1);
2000 (2); 1500 (3); 1000 (4)



.4.

$j=30 \quad / \quad ^2 \quad Q, \quad / \quad ^2$: 1000 (1);
2000 (2); 3000 (3)

$j=30 \quad / \quad ^2$ 1

$Q, \quad / \quad ^2$	n	$j, \quad / \quad ^2$	$T, \quad ^\circ\text{C}$
1000	3,5	4500	
1500	4,2	6000	
2000	7,5	14000	
3000	6,4	15000	

Fe³⁺

$$E_{\text{Fe}^{3+}/\text{Fe}^{2+}} = 0,77 + 0,059 \lg(c_{\text{Fe}^{3+}} / c_{\text{Fe}^{2+}}).$$

/

(III)



(. 2)

2

t_i	t	n	n	n	n
100	100	20	2,9	1800 – 3500	
		10			
		5			
50	50	20	10,8	9500 – 12500	
		10	9,2	9000 – 11000	
		5	8,6	6000 – 9500	
1	1	20	9,4	9500 – 12000	
		10	8,7	9000 – 11000	
		5	6,9	7000 – 10000	
0,1	0,1	20	1,3	–	
		10			
		5			

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Article – last in cycle of articles «Biotgases technologies and their role in the economy of agroindustrial production». In her modern approaches are reflected to the estimation of ecologic – economic efficiency of