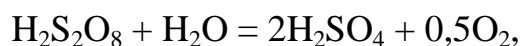
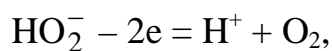
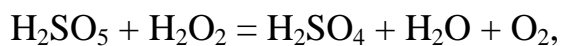
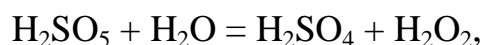
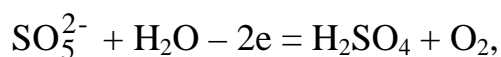
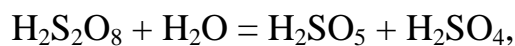


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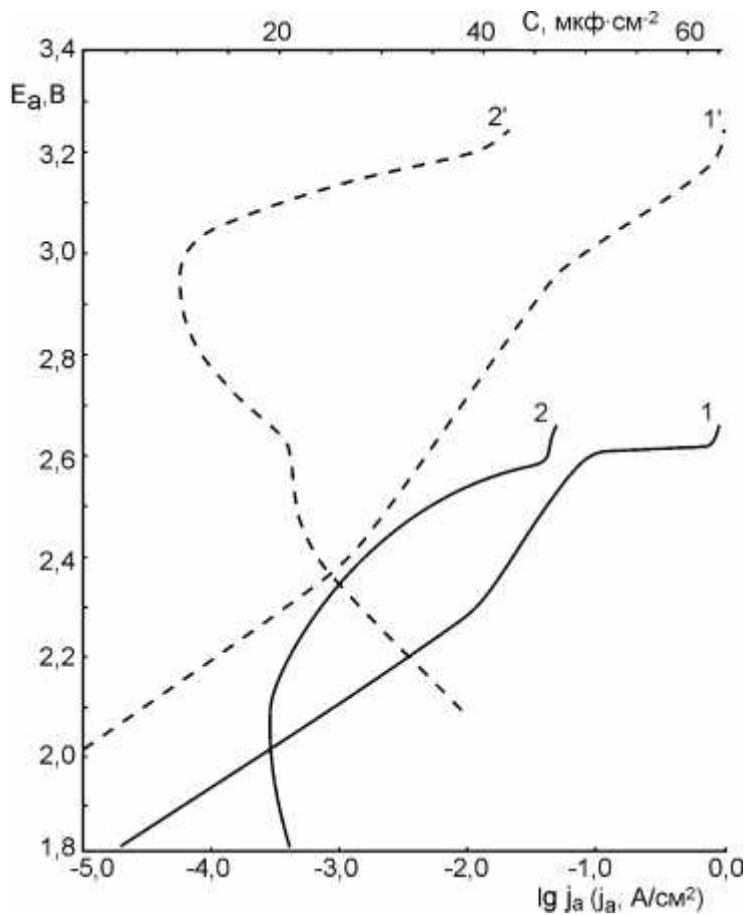
The kinetics of anodic process at electrolysis of water solutions of sulfuric acid has been researched on a covering from oxides of lead and titanium. Concentration of sulfuric acid and current density influence a condition of a surface of anodic coating. Catalytic properties of a covering do not concede to the indexes obtained on the platinum anode.



[1 – 3]

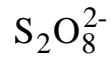


, (-
 ,) ... -
 , -
 [4, 5]. -
 -
 , -
 . -
 . -
 (). (. %): $PbO_2 - 50, TiO_2$ -
 - 50. -
 . -
 . -
 - . -
 - . -
 10 . H_2SO_4 (. . 1). -
 10 . -
 , -
 2,1...2,3 , -
 . -
 , 10...16 . -2 . -
 2,3 (-
), -
 45 . -2 . , -
 SO_4^- , -
 , . -



[4]

2,6 (. . 1, 2)



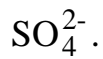
(. . 1, 1).

.1.

(1, 1')

(2, 2') 10 · 10⁻³ H₂SO₄, 293

1, 2 – , 1', 2' – [4]



[4 – 6]

10,0 11,68 · 10⁻³ H₂SO₄,

2,82...2,84

280

2,60...2,67

47-49

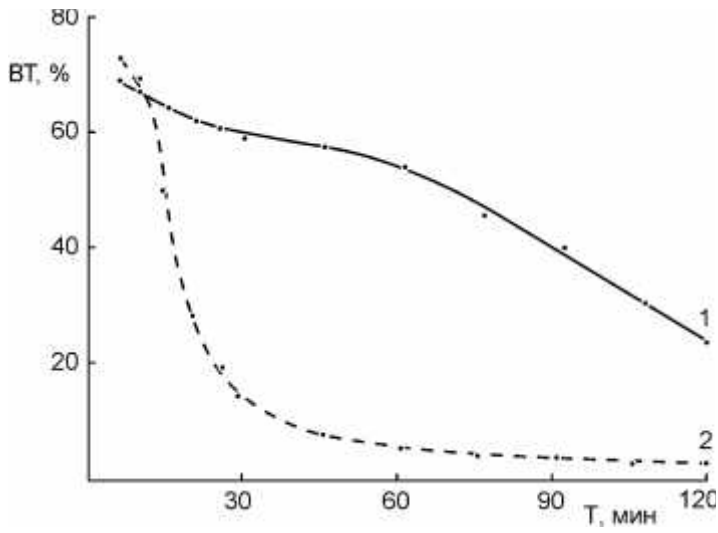
5

78 %

75 %

(. . 2)

5



70 %
73 %
 $S_2O_8^{2-}$

2. $S_2O_8^{2-}$
 $j_a = 5000 \cdot t^{-2}$
 1 – , 291...293
 2 – , 283...286 [6]



: 1.
 , 1977. 204 . 2.
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19.10.06