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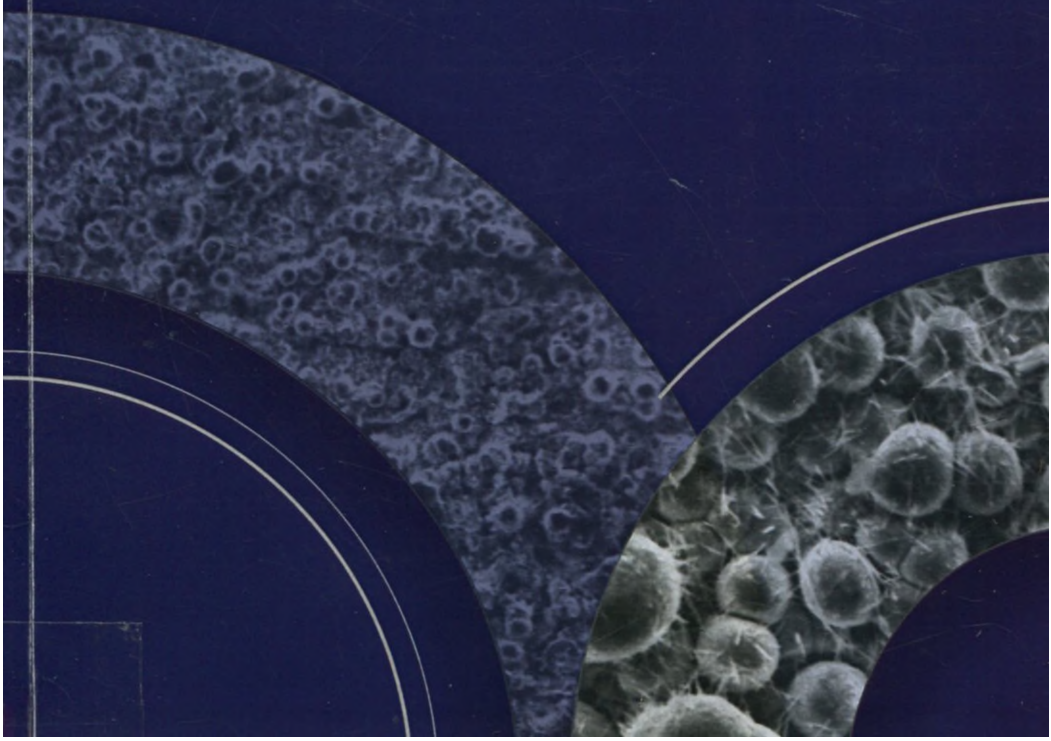
ELECTROCHEMICAL SYSTEMS Fe-Co-Mo(MoO_x): ALLOYS AND COMPOSITES

Monograph



MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE

NATIONAL TECHNICAL UNIVERSITY
«KHARKIV POLYTECHNIC INSTITUTE»

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Kharkiv 2021

UDC 621.357
T 95

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Published by the decision of the Academic Council of the National Technical University «Kharkiv Polytechnic Institute»; Protocol № 11 from 26.11.2021.

TurYu. I.

T95 Electrochemical systems Fe-Co-Mo(MoOx): alloys and composites : monograph / Yu. I. Tur, M. V. Ved', M. D. Sakhnenko, I. Yu. Yermolenko. – Kharkiv: FOP Brovin O. V., 2021. – 160 p.
ISBN 978-617-8009-62-5

The monograph contains an analysis of scientific and technical information, as well as the results of the authors' own long-term research on the synthesis of multicomponent galvanic coatings with alloys and composites in the Fe-Co-Mo (MoOx) system. The kinetics of electrode reactions during the formation of ternary systems has been determined; the influence of electrodeposition modes on the morphology, elemental and phase composition of coatings has been substantiated. The relationship between the composition of electrolytes, electrolysis modes and the functional properties of coatings has been established. An electrochemical technology of ternary alloys and composites of iron and cobalt with molybdenum is proposed, taking into account the formation variability.

The monograph is intended for specialists in the field of chemical technology, as well as teachers, graduate students and students of higher educational institutions.

Figures 71; Tables 26; References 166.

UDC 621.357.7

ISBN 978-617-8009-62-5

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