

CONTENTS

INVESTIGATION OF OPERATING PROCESSES IN MACHINES AND DEVICES



B

Moiseev V., Manoilo E., Hrubnik A., Vasyliiev M., Davydov D.

Cleaning and disposal of gas emissions from the production of calcinated soda ash

DOI: [10.21272/jes.2017.4\(2\).b1](https://doi.org/10.21272/jes.2017.4(2).b1)

B 1–B 6

Skidin I. E., Kalinin V. T., Tkach V. V., Saitkhareiev L. N., Zhbanova O. M.

Alternative technology to manufacture bimetallic products by using self-propagating high temperature synthesis

DOI: [10.21272/jes.2017.4\(2\).b7](https://doi.org/10.21272/jes.2017.4(2).b7)

B 7–B 10

Qazi H. A. A.

Study of verification and validation of standard welding procedure specifications guidelines for API 5L X-70 grade line pipe welding

DOI: [10.21272/jes.2017.4\(2\).b11](https://doi.org/10.21272/jes.2017.4(2).b11)

B 11–B 14

Lebedev V. A., Novykov S. V.

The hypothesis of formation of the structure of surfaced metal at the surfacing based on the application of the prognostic algorithm of control the electrode wire speed

DOI: [10.21272/jes.2017.4\(2\).b15](https://doi.org/10.21272/jes.2017.4(2).b15)

B 15–B 18

Pavlenko I. V., Liaposhchenko O. O., Demianenko M. M., Starynskyi O. E.

Static calculation of the dynamic deflection elements for separation devices

DOI: [10.21272/jes.2017.4\(2\).b19](https://doi.org/10.21272/jes.2017.4(2).b19)

B 19–B 24

MATERIALS SCIENCES



F

Yanovska G. O., Bolshanina S. B., Kuznetsov V. M.

Formation of hydroxyapatite coatings with addition of chitosan from aqueous solutions by thermal substrate method

DOI: [10.21272/jes.2017.4\(2\).f1](https://doi.org/10.21272/jes.2017.4(2).f1)

F 1–F 4

Zhbanova O. M.

Influence effect of electric action on the micro structure of steel in crystallization

DOI: [10.21272/jes.2017.4\(2\).f5](https://doi.org/10.21272/jes.2017.4(2).f5)

F 5–F 7

Hovorun T. P., Berladir K. V., Pererva V. I., Rudenko S. G., Martynov A. I.

Modern materials for automotive industry

DOI: [10.21272/jes.2017.4\(2\).f8](https://doi.org/10.21272/jes.2017.4(2).f8)

F 8–F 18



ENVIRONMENTAL ENGINEERING



Plyatsuk L. D., Vaskina I. V., Kozii I. S., Solianyk V. A., Vaskin R. A., Jakhnenko O. M.

Modeling of waterborne pollution of roadside soils

DOI: [10.21272/jes.2017.4\(2\).g1](https://doi.org/10.21272/jes.2017.4(2).g1)

G 1–G 5

Chernysh Ye. Yu., Plyatsuk L. D., Yakhnenko O. M., Trunova I. O.

Modelling of the vertical migration process of phosphogypsum components in the soil profile

DOI: [10.21272/jes.2017.4\(2\).g6](https://doi.org/10.21272/jes.2017.4(2).g6)

G 6–G 11

Hurets L. L., Kozii I. S., Miakaieva H. M.

Directions of the environmental protection processes

optimization at heat power engineering enterprises

DOI: [10.21272/jes.2017.4\(2\).g12](https://doi.org/10.21272/jes.2017.4(2).g12)

G 12–G 16

Plyatsuk L. D., Burla O. A., Ablieieva I. Yu., Hurets L. L., Roy I. O.

Investigation of produced waters radioactivity of oil and gas deposits in the Dnieper-Donets province

DOI: [10.21272/jes.2017.4\(2\).g17](https://doi.org/10.21272/jes.2017.4(2).g17)

G 17–G 21

COMPUTATIONAL ENGINEERING



Zakharchenko V. P., Marchenko A. V., Nenia V. H.

Model of the management program for a means complex

of the design works automation as a finite-state automaton

DOI: [10.21272/jes.2017.4\(2\).h1](https://doi.org/10.21272/jes.2017.4(2).h1)

H 1–H 8

Salaimeh S. A., Hjouj A. A.

Visual object-oriented technology and case-tools of developing

the Internet / Intranet-oriented training courses

DOI: [10.21272/jes.2017.4\(2\).h9](https://doi.org/10.21272/jes.2017.4(2).h9)

H 9–H 11

Podrigalo M. A., Korobko A. I., Dubinin E. A., Tarasov Yu. V., Baytzur M. V.

Development of the method for estimating the inertia radius relative to the vertical axis of the car

DOI: [10.21272/jes.2017.4\(2\).h12](https://doi.org/10.21272/jes.2017.4(2).h12)

H 12–H 16