

The 7th International Conference on Nanomaterials and Advanced Energy Storage Systems (INESS-2019)

92.	Piotr Skrzypacz, Daulet Nurakhmetov, <u>Almir Anivarov</u> , Madi Beghzigitov, Dongming Wei Dynamic pull-in in actuated power-law beam	102
93.	<u>Nurlan Seisenbavev</u> , Yerdaulet Abuov, Woojin Lee Development of carbon sequestration technology in hydrocarbon bearing basins of Kazakhstan	103
94.	<u>Toktar Murat</u> , Kozybayeva Farida, Koshen Bauyrzhan The first stage of soil formation processes in technogenically disturbed dumps of kokdzhon phosphorite deposit	104
95.	Zhubatov Zhailaubai, Stepanova Elena, Toktar Murat The study of microbiological methods for cleaning soil contaminated with heptyl	105
96.	<u>Olga Bukina</u> , Ivan Kukushkin, Aleksey Grechanik, Yuliya Baklanova Studies of X-ray structural and physicomechanical properties of materials for the uranium-graphite fuel of the IGR reactor	106
97.	<u>Sarvarbek Melikuziev</u> , Shavkat Imomov, Zulfiya Mamadalieva Reliability Criteria of Biogas Installations	107
98.	Ye. Amirgaliyev, <u>M. Kunelbavev</u> , A. Kozbakova, T.Ormanov, T. Sundetov, M.Akhmetzhanov Development and Justification of Parameters of Energy-Saving Flat Solar Collector	108
99.	<u>Kuanvsh Samarkhanov</u> , Erlan Batyrbekov, Mendykhan Khasenov, Yuriy Gordienko, Yuriy Ponkratov, Zhanna Zaurbekova, Yevgeniy Tulubayev Study of optical irradiation nature, formed by the products of ${}^6\text{Li}(n, \alpha){}^3\text{H}$ nuclear reaction excitation with vapor-gas He-Kr-Cd mixture	109
100.	<u>Zere Bekzhanova</u> , Sabina Kumarova, Symbat Seitzhan The Application of Piezoelectric Technology for Human Energy Harvesting in Korea and Kazakhstan	110
101.	<u>Darzhan Aitbekova</u> , Murzabek Baikenov, Ma Feng Yun, Bakytkyzy Araigul The use of nanocatalytic systems for hydrogenation of polyaromatic hydrocarbons	111
102.	<u>Ilya Korolkov</u> , Arman Yeszhanov, Yevgeniy Gorin, Maxim Zdorovets Modification of PET track-etched membranes for electrochemical sensing of heavy metal ions	112
103.	Rashesh Naik, <u>Aida Iskalieva</u> , Ahmed Qureshi, Didier Talamona Analysis of Dimensional Accuracy of Parts Using SLA Printed Patterns for Investment Casting	113
104.	<u>Ivan Kukushkin</u> , Yuliya Baklanova, Olga Bukina, Roman Barbatenkov The choice of methods for obtaining corium	114
105.	<u>Yevgeniy Tulubayev</u> , Yuriy Ponkratov, Yuriy Gordienko, Kuanvsh Samarkhanov, Vadim Bochkov Calculation and Theoretical Estimation of Tritium Release Parameters from Near-Surface Layer of the Li15.7Pb Eutectics under Irradiation at the IVG.1M reactor	115
106.	<u>Olga Lem</u> , Mannix Balanay, Seunghee Han, Woojin Lee Green Synthesis of Zero-Valent Iron Nanoparticles for the Reductive Degradation of Bromate	116
107.	<u>Zhazira Supieva</u> , Khaisa Avchukir, Azamat Taurbekov, Mukhtar Yeleuov, Gaukhar Smagulova, Kulash Abdushukur, Zulkhair Mansurov The investigation of electroreduction of AuCl_4^- in the case of gold electrosorption using activated carbon	117
108.	<u>Gaukhar Smagulova</u> , Nurmakhan Yesbolov, Bayan Kaidar, Nataliya Vassilyeva, Nikolay Prikhodko, Nazym Bexary, Zulkhair Mansurov Carbon nanotubes from polyethylene waste	118
109.	<u>Nazgul Zhexembaveva</u> , Yuka Motohashi, Yuta Uetake, Hidehiro Sakurai Size-selective preparation of Au:Chitosan Nanoclusters	119
110.	<u>Anastassiya A. Mashentseva</u> , Vadim A. Krasnov, Tomiris G. Khassen Formation of Cu/CuO-PET composites using low-temperature annealing	120
111.	<u>Dmitriy Khrustalev</u> , Azamat Yedrissov, Yana Levaya, Olga Tyagunova Synthesis of 4,7-dibromo-9H-carbazole and its N-alkylation under microwave irradiation	121
112.	Niyazbek Ibrayev, <u>Evgeniya Seliverstova</u> , Gulden Omarova The influence of plasmons of Ag nanoparticles on photovoltaics of functionalized polymethine dye	122
113.	Niyazbek Ibrayev, Dmitriy Afanasyev, Gulden Omarova, Evgeniya Seliverstova Spin effects in the transformation of electron energy at the interface of porous TiO_2-polymethine dye	123
114.	<u>Elena N. Rodlovska</u> , Valerii A. Vasnev Synthesis and Properties of New Thiophene-	124