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Должность	научный сотрудник
Образование, учёные степени и учёные звания	Высшее образование. Белорусский государственный технологический университет, к.ф.-м.н. – 2012 г.
Направления работы	Магнитные материалы; наноструктурированные материалы; композиционные материалы
Область научных интересов	Синтез оксидных магнетиков и композитов на их основе, а также исследования их магнитных свойств
Значимые публикации	<ol style="list-style-type: none"> <li>1. Marwa M. Hussein, Samia A. Saafan, H.F. Abosheishasha, Di Zhou, M.V. Silibin, S.V. Trukhanov, A.V. Trukhanov, <b>E.L. Trukhanova</b>, K.A. Astapovich, Hesham M.H. Zakaly, Moustafa A. Darwish, Impact of the Ni/Co Ratio on Structural and Magnetic Properties in A-site Stoichiometric Nanosized Spinel Ferrites, <i>Ceramics International</i>, 49 (23) (2023) 39107-39116, <a href="https://doi.org/10.1016/j.ceramint.2023.09.250">https://doi.org/10.1016/j.ceramint.2023.09.250</a></li> <li>2. A.V. Trukhanov, M.A. Almessiere, A. Baykal, Y. Slimani, <b>E.L. Trukhanova</b>, A.V. Timofeev, V.G. Kostishin, S.V. Trukhanov, M. Sertkol, UI-Hamid, Correlation between the composition, structural parameters and magnetic properties of the spinel-based functional nanocomposites, <i>Nano-Structures &amp; Nano-Objects</i>, 33 (2023) 100941, <a href="https://doi.org/10.1016/j.nanoso.2023.100941">https://doi.org/10.1016/j.nanoso.2023.100941</a></li> <li>3. Ahmed M. Henaish, Osama M. Hemeda, Enas A. Arrasheed, Rizk M. Shalaby, Ahmed R. Ghazy, Ilya A. Weinstein, Moustafa A. Darwish, <b>Ekaterina L. Trukhanova</b>, Alex V. Trukhanov, Sergei V. Trukhanov, Ahmed F. Al-Hossainy, Nermin A. Abdelhakim, Tailoring Variations in the Microstructures, Linear, Non-linear Optical, and Mechanical Properties of Dysprosium Reinforced Borate Glasses, <i>Journal of Composites Science</i>, 7(2) (2023), 61, <a href="https://doi.org/10.3390/jcs7020061">https://doi.org/10.3390/jcs7020061</a></li> <li>4. A.V. Trukhanov, D.I. Tishkevich, A.V. Timofeev, V.A. Astakhov, <b>E.L. Trukhanova</b>, A.A. Rotkovich, Yuan Yao, D.S. Klygach, T.I. Zubar, M.I. Sayyed, S.V. Trukhanov, V.G. Kostishin, Structural and Electrodynamic Characteristics of the Spinel-Based Composite System, <i>Ceramics International</i>, 50 (2024), 21311-21317, <a href="https://doi.org/10.1016/j.ceramint.2024.03.241">https://doi.org/10.1016/j.ceramint.2024.03.241</a></li> <li>5. A.V. Trukhanov, Xiaoxu Zhao, V.G. Kostishin, D.I. Tishkevich, <b>E.L. Trukhanova</b>, M.A. Almessiere, A. Baykal, Y. Slimani, M.I. Sayyed, A.A. Rotkovich, S.V. Trukhanov, Zhipeng Sun, Correlation of the chemical composition, phase ratio, structural features and magnetic properties in soft/soft ferrites-based nanocomposites, <i>Journal of Alloys and Compounds</i>, 986 (2024) 174048, <a href="https://doi.org/10.1016/j.jallcom.2024.174048">https://doi.org/10.1016/j.jallcom.2024.174048</a></li> <li>6. A.V. Trukhanov, <b>E.L. Trukhanova</b>, T.I. Zubar, Yuan Yao, S.V. Podgornaya, M.A. Almessiere, A. Baykal, Y. Slimani, A.A. Rotkovich, M.I. Sayyed, M.V. Silibin, S.V. Trukhanov, D.I. Tishkevich, Structure and Magnetic Properties of the Spinel-Polymer Composites, <i>Journal of Materials Research and Technology</i>, 30 (2024), 7115-7124, <a href="https://doi.org/10.1016/j.jmrt.2024.05.079">https://doi.org/10.1016/j.jmrt.2024.05.079</a></li> <li>7. Marwa M. Hussein, Samia A. Saafan, Hatem F. Abosheishasha, Di Zhou, Daria I. Tishkevich, Nikita V. Abmioletka, <b>Ekaterina L. Trukhanova</b>, Alex V. Trukhanov, Sergei V. Trukhanov, M. Khalid Hossain, Moustafa A. Darwish, Preparation, Structural, Magnetic, and AC electrical Characterization of Synthesized CoFe<sub>2</sub>O<sub>4</sub> Nanoparticles and Its PVDF Composites, <i>Materials Chemistry and Physics</i>, 317 (2024) 129041, <a href="https://doi.org/10.1016/j.matchemphys.2024.129041">https://doi.org/10.1016/j.matchemphys.2024.129041</a></li> <li>8. Mohamed M. Salem, Moustafa A. Darwish, Aseel M. Altarawneh, Yamen A. Alibwaini, Ryad Ghazy, Osama M. Hemeda, Di Zhou, <b>Ekaterina L. Trukhanova</b>, Alex V. Trukhanov, Sergei V. Trukhanov, Maha Mostafa, Investigation of Structure and Dielectric Properties of Doped Barium Titanates, <i>RSC Advances</i> 14 (2024), 3335, <a href="https://doi.org/10.1039/d3ra05885a">https://doi.org/10.1039/d3ra05885a</a></li> </ol>
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