Избранные публикации официального оппонента

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по тематике защищаемой диссертации

1. Tamara V. Basova, **Maxim S. Polyakov**. Hybrid Materials Based on Carbon Nanotubes and Polyaromatic Molecules: Methods of Functionalization and Sensor Properties // Macroheterocycles. – 2020. - 13(2). – P. 91-112.

2. **Maxim Polyakov**, Victoria Ivanova, Darya Klyamer, BaybarsKöksoy, Ahmet Şenocak, Erhan Demirbaş, MahmutDurmuş, Tamara Basova,.A Hybrid Nanomaterial Based on Single Walled Carbon Nanotubes Cross-Linked via Axially Substituted Silicon (IV) Phthalocyanine for Chemiresistive Sensors // Molecules. – 2020. – 25. – 2073.

3. **Maxim S. Polyakov**, Victoria N. Ivanova, Tamara V. Basova, Andrey A. Saraev, BaybarsKöksoy, Ahmet Şenocak, Erhan Demirbaş, MahmutDurmuş.3D, covalent and noncovalent hybrid materials based on 3-phenylcoumarin derivatives and single walled carbon nanotubes as gas sensing layers // Applied Surface Science. – Vol. 504. – 2020. – 144276.

4. Kaya E.N., **Polyakov M.S.,** Basova T.V., Durmuş M., Hassan A.Pyrene Containing Liquid Crystalline Asymmetric Phthalocyanines and their Composite Materials with Single-Walled Carbon Nanotubes // Journal of Porphyrins and Phthalocyanines. – 2018. – Vol. 22(1). – P. 56-63.

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6. **Polyakov M.S.**, Basova T. V., Gökselc M., Şenocakc A., Demirbaş E., Durmuş M., Kadem B., Hassane A. Effect of covalent and non-covalent linking of zinc(II) phthalocyanine functionalised carbon nanomaterials on the sensor response to ammonia // Synthetic Metals. – 2017. – Vol. 227. – P. 78-86.

7. **Polyakov M.S.**, Basova T.V. Hybrid Materials of Zinc(II)tetra-tert-butylphthalocyanine and Zinc(II)tetra-tert-butylnaphthalocyanine with Single Walled Carbon Nanotubes: Structure and Sensing Properties // Macroheterocycles. – 2017. – Vol. 10(1). – P. 31-36.

8. Sukhikh A.S., **Polyakov M.S.**, Klyamer D.A., Gromilov S.A., Basova T.V. A study of the structural features and sensor properties of zinc 2,9,16,23-tetra-tert-butylphthalocyanine films // Journal of Structural Chemistry. – 2017. – V.58., N5. – P. 1078-1088.