

Публикации Чумакова Н.А. 2020-2024 гг.

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2. Golubeva E.N., Chumakova N.A., Kuzin S.V., Grigoriev I.A., Kalai T., Korotkevich A.A., Bogorodsky S.E., Krotova L.I., Popov V.K., Lunin V.V., Paramagnetic bioactives encapsulated in poly(D,L-lactide) microparticules: Spatial distribution and in vitro release kinetics, *Journal of Supercritical Fluids*, **2020**, 158, 104748, <https://doi.org/10.1016/j.supflu.2019.104748> **Q1**
3. Antonov D.O., Chumakova N.A., Kovaleva E.G., Orientation of spin-labeled lysozyme from chicken egg white immobilized on porous oxide carriers, *Applied Magnetic Resonance*, **2020**, 51, 679–690, <https://doi.org/10.1007/s00723-020-01231-z>
4. Chumakova N.A., Tkachev Y.V., Vorobiev A.Kh, Rebrikova A.T., Korobov M.V., Mobility of liquids intercalated into the interplane space of graphite oxide as revealed by a combination of ¹⁹F NMR, ¹H NMR and EPR spin probe methods, *Physical Chemistry Chemical Physics*, **2020**, 22, 19969-19974, <https://doi.org/10.1039/D0CP03773G> **Q1**
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8. Mladenova Kattnig B.Y, Chumakova N.A., Kattnig D.R., Grigor'ev I.A., Grampp G., Kokorin A.I., Influence of the Electric Charge of Spin Probes on Their Diffusion in Room-Temperature Ionic Liquids, *Journal of Physical Chemistry B*, **2021**, 125 (32)32, 9235-9243, <https://doi.org/10.1021/acs.jpcc.1c02493> **Q1**
9. Rudnitskaya O.V., Tereshina T.A., Dobrokhotova E.V., Kultyshkina E.K., Yakushev I.A., Chumakova N.A., Kokorin A.I., Zubavichus Y.V., Khrustalev V. N., Chemical evolution in solutions of Ir complex [H(dmsO)₂]₂[IrCl₆]. Structures of [H(dmsO)₂]₂[IrCl₆],

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- 20.** Chumakova N.A., Kozlov Yu N., Shubin A.A., Tskhovrebov A.G., Khrustalev V.N., Kokorin A.I., Structures and Catalytic Properties of Cu(II) Complex with Chelating Fluorinated Ligands, *Chemical Physics Letters*, **2023**, 140640, <https://doi.org/10.1016/j.cplett.2023.140640> **Q2**
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- 22.** Astvatsaturov D.A., Kokorin A.I., Melnikov M.Ya, and Chumakova N.A., Spin exchange between paramagnetic probes inside graphite oxide, *Chemical Physics Letters*, **2023**, 833, 140946, <https://doi.org/10.1016/j.cplett.2023.140946> **Q2**
- 23.** Marnautov N.A., Matveev M.V., Gulin A.A., Kálai T., Bognár B., Rebrikova A.T., and Chumakova N.A., Orientational Ordering of Graphene Oxide Membranes by a Spin Probe Technique and SEM Image Analysis, *Journal of Physical Chemistry C*, **2024**, 128 (6), 2543–2550, <https://doi.org/10.1021/acs.jpcc.3c07127> **Q1**
- 24.** Yankova T.S., Chumakova N.A., Nedorezova P.M., Palaznik O.M., Kokorin A.I., Behavior of Spin Probe TEMPO in Composites Based on Polypropylene with Different Content of Single-Wall Carbon Nanotubes, *Polymer Science, Series A*, **2024**, 66 (1), 121-128, <https://doi.org/10.1134/S0965545X24600418>
- 25.** Astvatsaturov D.A., Yankova T.S., Kokorin A.I., Melnikov M.Ya., Chumakova N.A., Phase State of Polar Liquids in the Interplane Space of Graphite Oxide as Revealed by the Spin Probe Method, *Journal of Physical Chemistry C*, **2024**, 128 (42), 17940-17952, <https://doi.org/10.1021/acs.jpcc.4c03700> **Q1**
- 26.** Chumakova N.A., Yankova T.S., Kokorin A.I., Rotational Mobility of TEMPO Spin Probe in Polypropylene: EPR Spectra Simulation and Calculation via Approximated Formulas, *Solids*, **2024**, 5(4), 499-509; <https://doi.org/10.3390/solids5040033> **Q2**