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1. Polynorbornenes with orthosilicate moieties: Synthesis, gas separation performance, and structure–property study / F. A. Andreyanov, A. O. Lunin, D. A. Alentiev et al. // *Separation and Purification Technology*. — 2025. — Vol. 364. — P. 132252.
2. Polymethylpentafluoropropylacrylate- and polydecylmethylsiloxane copolymers – perspective antifouling membrane materials / T. Rokhmanka, E. Grushevenko, Y. Bogdanova et al. // *Reactive and Functional Polymers*. — 2025. — Vol. 211. — P. 106200.
3. Sorption, diffusion and side-chain melting/crystallization in comb-like poly(n-tetradecyl methyl siloxane) facilitated by condensable hydrocarbon gases / S. E. Sokolov, E. A. Grushevenko, I. L. Borisov, V. V. Volkov // *Polymer*. — 2024. — Vol. 308. — P. 127409.
4. Influence of type of cross-linking agent on structure and transport properties of polydecylmethylsiloxane / E. Grushevenko, T. Rokhmanka, S. Sokolov et al. // *Polymers*. — 2023. — Vol. 15, no. 22. — P. 4436–4436.
5. Effect of oh-group introduction on gas and liquid separation properties of polydecylmethylsiloxane / E. A. Grushevenko, T. N. Rokhmanka, I. L. Borisov et al. // *Polymers*. — 2023. — Vol. 15, no. 3. — P. 723.
6. Fouling of polyalkylmethylsiloxane composite membranes during pervaporation separation of abe-fermentation mixtures / T. N. Rokhmanka, E. A. Grushevenko, O. V. Arapova et al. // *Applied Sciences*. — 2023. — Vol. 13, no. 6. — P. 3827.
7. Influence of side chains assembly on the structure and transport properties of comb-like polysiloxanes in hydrocarbon separation / I. L. Borisov, E. A. Grushevenko, T. S. Anokhina et al. // *Materials Today Chemistry*. — 2021. — Vol. 22. — P. 100598.
8. Janus polytricyclononenes with trialkoxysilyl groups containing long alkyl tails for membrane separation of hydrocarbons / D. A. Alentiev, L. E. Starannikova, D. I. Petukhov, M. V. Bermeshev // *Polymer*. — 2024. — Vol. 303. — P. 127098.

9. Olefin cross-metathesis of polynorbornene with polypentenamer: New norbornene-cyclopentene multiblock copolymers / Y. I. Denisova, V. A. Zhigarev, M. L. Gringolts et al. // *European Polymer Journal*. — 2022. — Vol. 173. — P. 111264.
10. Synthesis of new of norbornene-1,5-bis(hexenyl)hexamethyltrisiloxane copolymers via olefin metathesis reaction / A. A. Morontsev, M. L. Gringolts, M. P. Filatova et al. // *Polymer Science, Series B*. — 2020. — Vol. 62, no. 6. — P. 638–648.