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SCIENTIFIC ARTICLES

1. Amino-functionalized silicones processed as porous dual covalent/supramolecular networks for pressure sensing, BI Ciubotaru, MF Zaltariov, M Dascalu, **A Bele**, A Bargan, M Cazacu, *Reactive and Functional Polymers* 194, 105792, 2024
2. Fully carboxy-functionalized polyhedral silsesquioxanes as polar fillers to enhance the performance of dielectric silicone elastomers, M Dascalu, AC Stoica, **A Bele**, L Yu, D Ionita, AL Vasiliu, AL Skov, *Polymer* 289, 126492, 2022
3. Poly (Vinyl Alcohol)/Bovine Serum Albumin Hybrid Hydrogels with Tunable Mechanical Properties, M Bercea, IA Plugariu, MV Dinu, IM Pelin, A Lupu, **A Bele**, VR Gradinaru, *Polymers* 15 (23), 4611, 2023
4. Enhancing Natural Polymers-Based Materials Using Montmorillonite: Preparation, Characterization, and Environmental Applications, I Spiridon, A Bele, I Apostol, MV Dinu, N Anghel, *Journal of Polymers and the Environment*, 1-17, 2023
5. From passive to emerging smart silicones, M Cazacu, M Dascalu, GT Stiubianu, **A Bele**, C Tugui, C Racles, *Reviews in Chemical Engineering* 39 (6), 941-1003, 7, 2023
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12. Octakis (Carboxyalkyl-Thioethyl) Silsesquioxanes and Derived Metal Complexes: Synthesis, Characterization and Catalytic Activity Assessments, M Dascalu, AC Stoica, **A Bele**, AM Macsim, A Bargan, CD Varganici, *Journal of Inorganic and Organometallic Polymers and Materials* 32 (10), 3955, 2, 2022
13. Scalable Silicone Composites for Thermal Management in Flexible Stretchable Electronics, GT Stiubianu, **A Bele**, M Grigoros, C Tugui, BI Ciubotaru, MF Zaltariov, *Batteries* 8 (8), 95, 1, 2022

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