

PUBLICATIONS
Richard Buchner
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2019

1. I. Płowas-Korus and R. Buchner, Podlipnik and **R. Buchner** Structure, *Molecular Dynamics and Interactions in Aqueous Xylitol Solutions*, Phys. Chem. Chem. Phys. **21** (2019) 24061-24069. DOI: 10.1039/C9CP04547C [more](#)
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3. N. Moreno, **R. Buchner** and E. F. Vargas. *Temperature effect on the solvation of two ionic resorcin[4]arenes from volumetric and acoustic properties in polar media*, J.Mol.Liq. **291**(2019) 111233. DOI: 10.1016/j.molliq.2019.111233 [more](#)
4. S. Shaukat, M. V. Fedotova, S. E. Kruchinin, M. Bešter-Rogač, Č., Podlipnik and **R. Buchner***, *Hydration and Ion Association of Aqueous Choline Chloride and Chlorocholine Chloride*, Phys. Chem. Chem. Phys. **21** (2019) 10970-10980. DOI: 10.1039/C9CP01016E [more](#)
5. Ž. Medoš, N. V. Plechkova, S. Friesen, **R. Buchner**, and M. Bešter-Rogač., *Insight into the Hydration of Cationic Surfactants: A Thermodynamic and Dielectric Study of Functionalized Quaternary Ammonium Chlorides*, Langmuir **35** (2019) 3759-3772. DOI: 10.1021/acs.langmuir.8b03993 [more](#)
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11. K. Yanase, **R. Buchner** and T. Sato, *Microglobule Formation and a Microscopic Order Parameter Monitoring the Phase Transition of Poly(N-isopropylacrylamide) Solution* Phys. Rev. Materials **2** (2018) 085601. DOI: 10.1103/PhysRevMaterials.2.085601 [more](#)
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