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Title:	Unusual linear dependency of viscosity with temperature in ionic liquid/water mixtures
Authors:	Nanda, R. (/jspui/browse?type=author&value=Nanda%2C+R.)
Keywords:	Ionic water Viscosity Linear dependency
Issue Date:	2016
Publisher:	Royal Society of Chemistry
Citation:	Physical Chemistry Chemical Physics, 18(37), pp. 25801-25805
Abstract:	An unusual linear dependency of viscosity with temperature has been observed in aqueous solutions of 1-octyl-3-methylimidazolium-based ionic liquids because of the ion induced structural transition which leads to the violation of both the Stokes–Einstein and fractional Stokes–Einstein equations, suggesting the presence of dynamic heterogeneity in the system.
URI:	https://pubs.rsc.org/en/content/articlelanding/2016/cp/c6cp05257f#!divAbstract (https://pubs.rsc.org/en/content/articlelanding/2016/cp/c6cp05257f#!divAbstract) http://hdl.handle.net/123456789/2586 (http://hdl.handle.net/123456789/2586)
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