



SDI Review Form 1.6

Journal Name:	International Research Journal of Pure and Applied Chemistry
Manuscript Number:	2014_IRJPAC_10212
Title of the Manuscript:	Cation-Type Dependences of ^1H and ^{29}Si MAS NMR Chemical Shifts and Desorption Temperatures of Water Molecules in Faujasite-Type Zeolites
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments	*) tens of inter-words spaces are missing on each page which make the reading very uncomfortable *) The experimental part has to be completed, as it is no one could repeat the experiments due to the lack of information on the used quantities, molar ratios etc. *) (methods) in the NMR part the authors are adding "silicon lubber"!!! *) Fig 1. Many XRD pattern seem to contain more peaks than only the one of FAU. And the relative importance of this additional phase (?) varies in each series. This point should be discussed *) the tables indicating the simulation results should be accompanied by a discussion on associated uncertainties.	I'm sorry. I cannot understand why many spaces between words were deleted in the draft. I inserted appropriate spaces in the 2nd revision. I described mass and concentration in the 2nd revision. lubber -> rubber XRD patterns are closely match with those reported in the previous report [38] and commercial X and Y-types. I am not specialist of calculation; therefore, a reason why simulated CS values were not agreed with experimental values is hard. In this study, complex dependences of ¹H MAS NMR spectra on cation types were recorded. Simulated model is a model to explain the spectra.
Minor REVISION comments		
Optional/General comments	Serious study Unless the experimental part gives a very negative feeling	