

Review Form2

Book Name:	Recent Developments in Chemistry and Biochemistry Research
Manuscript Number:	Ms_BPR_2145
Title of the Manuscript:	Innovative method for CO2 fixation and storage
Type of the Article	Book chapter

PART 1: Review Comments

<u>Compulsory</u> REVISION comments	Reviewer’s comment	Author’s Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimumof 3-4 sentences may be required for this part.	This manuscript proposed a new method to fix and store CO ₂ through chemical reactionsby using alkaline aqueous solutions. This method can be applied to a gas flow with very low or extremely high CO2 concentration, showing a potential for removing CO2 from the atmosphere or industrial exhause gases. Experiment results show that the rections between CO2 and the solution of NaOH and CaCl ₂ can be fast at certain concentrations. It also propose to produce NaOH by electrolytingsea water, in which H2 will be simultaneously generated and can be used as a clean energy source. However, another product - Cl ₂ is not assessed for its impact on environment. The overall energy efficiency should also be estimated.	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes	
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	The impact of Cl2 on environment and the overall energy efficiency should be mentioned.	
Are subsections and structure of the manuscript appropriate?	Yes	
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimumof 3-4 sentences may be required for this part.	This manuscript has a robust and technically sound support from the experiments. The experiment results show how fast CO2 will be fixed and stored, which soundly support the device design. This manuscript is scientifically correct.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. =	The references are basically in the last 5 years.	

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Minor REVISION comments		
Is the language/English quality of the article suitable for scholarly communications?	Yes	
Optional/General comments		

PART 2:

	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)
Are there ethical issues in this manuscript?	(If yes, Kindly please write down the ethical issues here in details)	

Reviewer Details:

Name:	Cai Li
Department, University & Country	China Academy of Geological Sciences, China