cases	doc_1		doc_2		decision	id
			authors	• Chongsheng Cao • Jiahong Wu • Baoquan Yuan	DUPLICATES	1070
	authors	• Cao, C. • Wu, J. • Yuan, B.	**title**	The 2D Incompressible Magnetohydrodynamics Equations with only Magnetic Diffusion		
	title	The 2D Incompressible Magnetohydrodynamics Equations with only Magnetic Diffusion	**publication_date**	2013-06-16 06:08:30+00:00		
	publication_date	2014-01-01 00:00:00	**source**	SupportedSources.ARXIV		
	source	SupportedSources.CROSSREF	**journal**	None		
	journal		**volume**			
	volume		**doi**			
	doi	10.1137/130937718	**urls**	• http://arxiv.org/pdf/1306.3629v1 • http://arxiv.org/abs/1306.3629v1 • http://arxiv.org/pdf/1306.3629v1		
	urls	• http://epubs.siam.org/doi/pdf/10.1137/130937718 • http://dx.doi.org/10.1137/130937718	**id**	id7911915717021716404		
	id	id-1926964429664026142	**abstract**	This paper examines the global (in time) regularity of classical solutions to the 2D incompressible magnetohydrodynamics (MHD) equations with only magnetic diffusion. Here the magnetic diffusion is given by the fractional Laplacian operator $(-\Delta)^\beta$. We establish the global regularity for the case when $\beta>1$. This result significantly improves previous work which requires $\beta>\frac32$ and brings us closer to the resolution of the well-known global regularity problem on the 2D MHD equations with standard Laplacian magnetic diffusion, namely the case when $\beta=1$.		
	abstract		**versions**			
	versions					