

List of Publications by Year in descending order

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papers

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1163117
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all docs

8
docs citations

8
times ranked

968
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance, structure, and mechanism of CeO ₂ in HCl oxidation to Cl ₂ . <i>Journal of Catalysis</i> , 2012, 286, 287-297.	6.2	185
2	Ammonia Dehydrogenation over Platinum-Group Metal Surfaces. Structure, Stability, and Reactivity of Adsorbed NH _x Species. <i>Journal of Physical Chemistry C</i> , 2007, 111, 860-868.	3.1	118
3	An integrated approach to Deacon chemistry on RuO ₂ -based catalysts. <i>Journal of Catalysis</i> , 2012, 285, 273-284.	6.2	111
4	Pt(100)-Catalyzed Ammonia Oxidation Studied by DFT: Mechanism and Microkinetics. <i>Journal of Physical Chemistry C</i> , 2008, 112, 13554-13562.	3.1	107
5	In situ surface coverage analysis of RuO ₂ -catalysed HCl oxidation reveals the entropic origin of compensation in heterogeneous catalysis. <i>Nature Chemistry</i> , 2012, 4, 739-745.	13.6	85
6	On the properties of binary rutile MO ₂ compounds, M = Ir, Ru, Sn, and Ti: A DFT study. <i>Journal of Chemical Physics</i> , 2013, 138, 194706.	3.0	50
7	State-of-the-art and challenges in theoretical simulations of heterogeneous catalysis at the microscopic level. <i>Catalysis Science and Technology</i> , 2012, 2, 2405.	4.1	38
8	Rules for selectivity in oxidation processes on RuO ₂ (110). <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 12217.	2.8	20