

Lakshmi Katta

List of Publications by Year in descending order

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14
papers

1,077
citations

623734

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1058476

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docs citations

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times ranked

1264
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel Nanocrystalline Ce _{1-x} La _x O ₂ ($x = 0.2$) Solid Solutions: Structural Characteristics and Catalytic Performance. Chemistry of Materials, 2010, 22, 467-475.	6.7	246
2	Doped nanosized ceria solid solutions for low temperature soot oxidation: Zirconium versus lanthanum promoters. Applied Catalysis B: Environmental, 2010, 101, 101-108.	20.2	242
3	Structural Characteristics and Catalytic Activity of Nanocrystalline Ceria-Praseodymia Solid Solutions. Journal of Physical Chemistry C, 2009, 113, 15882-15890.	3.1	178
4	Catalytic Efficiency of Ceria-Zirconia and Ceria-Hafnia Nanocomposite Oxides for Soot Oxidation. Catalysis Letters, 2008, 123, 327-333.	2.6	88
5	Design of Efficient Ce _{1-x} M _x O ₂ (M=Zr, Hf, Tb and Pr) Nanosized Model Solid Solutions for CO Oxidation. Catalysis Letters, 2011, 141, 572-581.	2.6	53
6	Vapor phase synthesis of cyclopentanone over nanostructured ceria-zirconia solid solution catalysts. Journal of Industrial and Engineering Chemistry, 2013, 19, 1517-1524.	5.8	47
7	Preparation of silica supported ceria-lanthana solid solutions useful for synthesis of 4-methylpent-1-ene and dehydroacetic acid. Catalysis Science and Technology, 2012, 2, 995.	4.1	46
8	Structural characteristics and catalytic performance of alumina-supported nanosized ceria-lanthana solid solutions. Catalysis Science and Technology, 2011, 1, 1645.	4.1	42
9	Nanosized Ce _{1-x} La _x O ₂ /Al ₂ O ₃ solid solutions for CO oxidation: Combined study of structural characteristics and catalytic evaluation. Catalysis Today, 2012, 198, 133-139.	4.4	32
10	Enhancement in CO oxidation activity of nanosized Ce _x Zr _{1-x} O ₂ solid solutions by incorporation of additional dopants. Journal of Industrial and Engineering Chemistry, 2013, 19, 327-336.	5.8	26
11	Novel nanosized Ce _x Zr _{1-x} O ₂ , Ce _x Hf _{1-x} O ₂ and Ce _x Tb _{1-x} O ₂ solid solutions: Structural characteristics and catalytic performance. Catalysis Today, 2011, 175, 585-592.	4.4	25
12	Preparation of highly dispersed and thermally stable nanosized cerium-hafnium solid solutions over silica surface: Structural and catalytic evaluation. Journal of Industrial and Engineering Chemistry, 2012, 18, 1128-1135.	5.8	20
13	Nanosized Unsupported and Alumina-Supported Ceria-Zirconia and Ceria-Terbium Solid Solutions for CO Oxidation. Chinese Journal of Catalysis, 2011, 32, 800-806.	14.0	18
14	Interfacial interaction driven CO oxidation: nanostructured Ce _{1-x} La _x O ₂ /TiO ₂ solid solutions. Catalysis Science and Technology, 2012, 2, 745.	4.1	14