Masaoki Iwasaki

List of Publications by Year
in descending order

16 papers	783 citations	933447 10 h-index	888059 17 g-index
17 all docs	17 docs citations	17 times ranked	922 citing authors

#	Article	IF	Citations
1	Characterization of Fe/ZSM-5 DeNO catalysts prepared by different methods: Relationships between active Fe sites and NH3-SCR performance. Journal of Catalysis, 2008, 260, 205-216.	6.2	246
2	A comparative study of â€œstandardâ€, â€œfastâ€•and â€œNO2â€•SCR reactions over Fe/zeolite catalyst. Applied Catalysis A: General, 2010, 390, 71-77.	4.3	167
3	Experimental assessment of the bifunctional NH3-SCR pathway and the structural and acid-base properties of WO3 dispersed on CeO2 catalysts. Journal of Catalysis, 2018, 359, 55-67.	6.2	59
4	NO evolution reaction with NO2 adsorption over Fe/ZSM-5: In situ FT-IR observation and relationships with Fe sites. Journal of Catalysis, 2010, 273, 29-38.	6.2	56
5	Transient reaction analysis and steady-state kinetic study of selective catalytic reduction of NO and NO+NO2 by NH3 over Fe/ZSM-5. Applied Catalysis A: General, 2009, 366, 84-92.	4.3	53
6	NOx reduction performance of fresh and aged Fe-zeolites prepared by CVD: Effects of zeolite structure and Si/Al2 ratio. Applied Catalysis B: Environmental, 2011, 102, 302-309.	20.2	44
7	Hydrothermal stability enhancement by sequential ion-exchange of rare earth metals on Fe/BEA zeolites used as NO reduction catalysts. Chemical Communications, 2011, 47, 3966.	4.1	41
8	Mechanistic assessments of NO oxidation turnover rates and active site densities on WO3-promoted CeO2 catalysts. Journal of Catalysis, 2016, 342, 84-97.	6.2	35
9	Analysis of the adsorption state and desorption kinetics of NO2 over Feâ€“zeolite catalyst by FT-IR and temperature-programmed desorption. Physical Chemistry Chemical Physics, 2010, 12, 2365.	2.8	28
10	Energy Dispersive Near Edge X-Ray Absorption Fine Structure in the Soft X-Ray Region: A New Technique to Investigate Surface Reactions. Japanese Journal of Applied Physics, 2001, 40, L718-L720.	1.5	20
11	Mechanistic insights into a NOx storage-reduction (NSR) catalyst by spatiotemporal operando X-ray absorption spectroscopy. Catalysis Science and Technology, 2019, 9, 1103-1107.	4.1	8
12	Enhanced oxygen storage capacity of cation-ordered ceriumâ€“zirconium oxide induced by titanium substitution. Chemical Communications, 2018, 54, 3528-3531.	4.1	6
13	Structural Study of NO Adsorbed on the Reconstructed Pt(110)-(1 Ã— 2) Surface with X-ray Photoelectron Diffraction and Near-Edge X-ray Absorption Fine Structure Spectroscopy. Journal of Physical Chemistry B, 2006, 110, 20507-20512.	2.6	6
14	Effect of Al Substitution on Structural Stability and Topotactic Oxygen Release Rate of LaNi_{1â€“x}Al_xO₃ with Perovskite Structure. ACS Applied Energy Materials, 2019, 2, 3179-3184.	5.1	4
15	Effect of calcination temperature on cation arrangement and oxygen storage/release capacity in cation-ordered Ce oxides. Journal of Solid State Chemistry, 2021, 299, 122192.	2.9	2
16	Structure Analyses of Methylthiolate Adsorbed on Au(111) by Photoelectron Diffraction. Hyomen Kagaku, 2003, 24, 448-454.	0.0	1