Nobutaka Maeda

List of Publications by Year
in descending order

20	302	840776 11	888059 17
papers	citations	h-index	g-index

21	21	21	514
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Asymmetric Hydrogenation on Chirally Modified Pt: Origin of Hydrogen in the Nâ€“Hâ€“O Interaction between Cinchonidine and Ketone. Journal of the American Chemical Society, 2011, 133, 19567-19569.	13.7	55
2	Synergistic Effects of Au and FeO_x Nanocomposites in Catalytic NO Reduction with CO. ACS Catalysis, 2016, 6, 7898-7906.	11.2	33
3	Influence of support acidity on the performance of size-confined Pt nanoparticles in the chemoselective hydrogenation of acetophenone. Catalysis Science and Technology, 2015, 5, 2788-2797.	4.1	30
4	Hydrogenation of Acetophenone on Pd/Silicaâ€“Alumina Catalysts with Tunable Acidity: Mechanistic Insight by In Situ ATR-IR Spectroscopy. ACS Catalysis, 2018, 8, 6594-6600.	11.2	28
5	Striking activity enhancement of gold supported on Al-Ti mixed oxide by promotion with ceria in the reduction of NO with CO. Applied Catalysis B: Environmental, 2017, 209, 62-68.	20.2	19
6	Strong Activity Enhancement of the Photocatalytic Degradation of an Azo Dye on Au/TiO2 Doped with FeOx. Catalysts, 2020, 10, 933.	3.5	16
7	Influence of Ptâ€“Ba Proximity on NO x Storageâ€“Reduction Mechanisms: A Space- and Time-Resolved In Situ Infrared Spectroscopic Study. Topics in Catalysis, 2009, 52, 1746-1751.	2.8	12
8	Spectroscopic Detection of Active Species on Catalytic Surfaces: Steady-State versus Transient Method. Chimia, 2012, 66, 664.	0.6	12
9	Support Effect of Metalâ€“Organic Frameworks on Ethanol Production through Acetic Acid Hydrogenation. ACS Applied Materials & Interfaces, 2021, 13, 19992-20001.	8.0	12
10	Surface processes occurring during aqueous phase ethanol reforming on Ru/TiO2 tracked by ATR-IR spectroscopy. Applied Catalysis A: General, 2019, 581, 111-115.	4.3	11
11	Structure and Catalytic Behavior of Alumina Supported Bimetallic Au-Rh Nanoparticles in the Reduction of NO by CO. Catalysts, 2019, 9, 937.	3.5	10
12	Support effects in iridium-catalyzed aerobic oxidation of benzyl alcohol studied by modulation-excitation attenuated total reflection IR spectroscopy. Journal of Catalysis, 2021, 393, 42-50.	6.2	9
13	Insight into the Mechanism of the Preferential Oxidation of Carbon Monoxide by Using Isotopeâ€Modulated Excitation IR Spectroscopy. ChemCatChem, 2013, 5, 2199-2202.	3.7	7
14	Potassium Titanate Nanobelts: A Unique Support for Au and AuRh Nanoparticles in the Catalytic Reduction of NO with CO. ChemCatChem, 2021, 13, 438-444.	3.7	7
15	Bimetallic AuPd@CeO2 Nanoparticles Supported on Potassium Titanate Nanobelts: A Highly Efficient Catalyst for the Reduction of NO with CO. Catalysis Letters, 2021, 151, 2483-2491.	2.6	6
16	Toward Carbon Dioxide Capture from the Atmosphere: Lowering the Regeneration Temperature of Polyethylenimine-Based Adsorbents by Ionic Liquid. Energy & Fuels, 2021, 35, 9059-9062.	5.1	4
17	Branched versus Linear Structure: Lowering the CO2 Desorption Temperature of Polyethylenimine-Functionalized Silica Adsorbents. Energies, 2022, 15, 1075.	3.1	4
18	Operando Spectroscopic Monitoring of Active Species in CO₂ Hydrogenation at Elevated Pressure and Temperature: Steady-State versus Transient Analysis. Energy & Fuels, 2021, 35, 15243-15246.	5.1	3

#	Article	IF	Citations
19	Influence of the support in aqueous phase oxidation of ethanol on gold/metal oxide catalysts studied by ATR-IR spectroscopy under working conditions. Catalysis Communications, 2021, 148, 106183.	3.3	1
20	Synergistic Effects of Bimetallic AuPd and La2O3 in the Catalytic Reduction of NO with CO. Catalysts, 2021, 11, 916.	3.5	0