Kyoko Bando

List of Publications by Year in Descending Order

75 papers	2,091 citations	26 h-index	43 g-index
78 ext. papers	2,236 ext. citations	3.8 avg, IF	4.19 L-index

#	Paper	IF	Citations
75	Gold nanoparticles on mesoporous Cerium-Tin mixed oxide for aerobic oxidation of benzyl alcohol. *Journal of Molecular Catalysis A*, **2016**, 418-419, 41-53		13
74	Selective Hydrogenation of Crotonaldehyde over Ir–FeOx/SiO2 Catalysts: Enhancement of Reactivity and Stability by Ir–FeOx Interaction. *Journal of Physical Chemistry C*, **2016**, 120, 8663-8673	3.8	23
73	Production of Phenol and Cresol from Guaiacol on Nickel Phosphide Catalysts Supported on Acidic Supports. *Topics in Catalysis*, **2015**, 58, 201-210	2.3	45
72	XAFS, XPS characterization of cerium promoted Ti-TUD-1 catalyst and its activity for styrene oxidation reaction. *Catalysis Communications*, **2014**, 46, 123-127	3.2	11
71	Sm-CeO2 supported gold nanoparticle catalyst for benzyl alcohol oxidation using molecular O2. *Applied Catalysis A: General*, **2013**, 452, 94-104	5.1	52
70	Aerobic oxidation of benzyl alcohol over mesoporous Mn-doped ceria supported Au nanoparticle catalyst. *Journal of Molecular Catalysis A*, **2013**, 378, 47-56		52
69	Preparation of α-alumina nanoparticles with various shapes via hydrothermal phase transformation under supercritical water conditions. *IOP Conference Series: Materials Science and Engineering*, **2013**, 47, 012045	0.4	4
68	Combined in situ QXAFS and FTIR analysis of a Ni phosphide catalyst under hydrodesulfurization conditions. *Journal of Catalysis*, **2012**, 286, 165-171	7.3	40
67	Activity of silylated titanosilicate supported gold nanoparticles towards direct propylene epoxidation reaction in the presence of trimethylamine. *Journal of Molecular Catalysis A*, **2012**, 359, 21-27		34
66	Operando QEXAFS studies of Ni–P during thiophene hydrodesulfurization: direct observation of Ni-S bond formation under reaction conditions. *Journal of Synchrotron Radiation*, **2012**, 19, 205-9	2.4	13
65	Operando Observation of Ni2P Structural Changes during Catalytic Reaction: Effect of H2S Pretreatment. *Chemistry Letters*, **2012**, 41, 1238-1240	1.7	10
64	Fabrication of boehmite and Al2O3 nonwovens from boehmite nanofibres and their potential as the sorbent. *Journal of Materials Chemistry*, **2012**, 22, 21225		9
63	Self-standing microporous films of arrayed alumina nano-fibers including Schiff base molecules: effect of the environment around the molecules on their photo-luminescence. *Journal of Materials Chemistry*, **2012**, 22, 9738		5
62	Formation and oxidation mechanisms of Pd-Zn nanoparticles on a ZnO supported Pd catalyst studied by in situ time-resolved QXAFS and DXAFS. *Physical Chemistry Chemical Physics*, **2012**, 14, 2152-8	3.6	21
61	Properties of Boehmite AlO(OH) Nanoparticles as the Coatings and Fillers. *Key Engineering Materials*, **2012**, 512-515, 604-608	0.4	1
60	Quick X-ray Absorption Fine Structure Studies on the Activation Process of Ni2P Supported on K-USY. *Journal of Physical Chemistry C*, **2011**, 115, 7466-7471	3.8	26
59	Core–Shell Phase Separation and Structural Transformation of Pt3Sn Alloy Nanoparticles Supported on α-Al2O3 in the Reduction and Oxidation Processes Characterized by In Situ Time-Resolved XAFS. *Journal of Physical Chemistry C*, **2011**, 115, 5823-5833	3.8	47

58	Effect of gold oxidation state on the epoxidation and hydrogenation of propylene on Au/TS-1. *Journal of Catalysis*, **2011**, 280, 40-49	7.3	53
57	Surface treatment- and calcination temperature-dependent adsorption of methyl orange molecules in wastewater on self-standing alumina nanofiber films. *Journal of Materials Chemistry*, **2011**, 21, 14984		23
56	In situ time-resolved XAFS study on the structural transformation and phase separation of Pt3Sn and PtSn alloy nanoparticles on carbon in the oxidation process. *Physical Chemistry Chemical Physics* , **2011**, 13, 15833-44	3.6	54
55	Palladium complex catalysts immobilized on silica via a tripodal linker unit with amino groups: Preparation, characterization, and application to the Suzuki Miyaura coupling. *Journal of Molecular Catalysis A*, **2011**, 342-343, 58-66		21
54	Platinum-Like Catalytic Behavior of Au+. *ChemCatChem*, **2010**, 2, 1582-1586	5.2	10
53	Gaseous fuel production from nonrecyclable paper wastes by using supported metal catalysts in high-temperature liquid water. *ChemSusChem*, **2010**, 3, 737-41	8.3	17
52	Gold clusters supported on La(OH)3 for CO oxidation at 193K. *Chemical Physics Letters*, **2010**, 493, 207-211	2.5	36
51	Combined in situ analysis of Ni2P/MCM-41 under hydrodesulfurization conditions Simultaneous observation of QXAFS and FTIR *Journal of Physics: Conference Series*, **2009**, 190, 012158	0.3	9
50	In situ FTIR and XANES studies of thiophene hydrodesulfurization on Ni2P/MCM-41. *Journal of Catalysis*, **2009**, 268, 209-222	7.3	65
49	Promotional Effect of Iron for the Nitridation of Niobium Oxide to Niobium Nitride. *Topics in Catalysis*, **2009**, 52, 1517-1524	2.3	7
48	Investigation of the thiotolerance of metallic ruthenium nanoparticles: A XAS study. *Catalysis Today* , **2009**, 147, 255-259	5.3	6
47	Hydrogen production from woody biomass over supported metal catalysts in supercritical water. *Catalysis Today*, **2009**, 146, 192-195	5.3	84
46	Thermodynamic Equilibria between Polyalcohols and Cyclic Ethers in High-Temperature Liquid Water *Journal of Chemical & Engineering Data*, **2009**, 54, 2666-2668	2.8	10
45	Enhancement of cyclic ether formation from polyalcohol compounds in high temperature liquid water by high pressure carbon dioxide. *Green Chemistry*, **2009**, 11, 48-52	10	59
44	Stereoselective hydrogenation of 4-alkylphenols over carbon-supported rhodium catalyst in supercritical carbon dioxide solvent. *Catalysis Communications*, **2009**, 10, 1702-1705	3.2	12
43	Depolymerization of Poly(ethylene terephthalate) to Terephthalic Acid and Ethylene Glycol in High-temperature Liquid Water. *Chemistry Letters*, **2009**, 38, 268-269	1.7	13
42	Oxidation of propane to propylene oxide on gold catalysts. *Journal of Catalysis*, **2008**, 255, 114-126	7.3	56
41	Mechanistic study of propane selective oxidation with H2 and O2 on Au/TS-1. *Journal of Catalysis*, **2008**, 257, 32-42	7.3	37

40	Propane reacts with O2 and H2 on gold supported TS-1 to form oxygenates with high selectivity. *Chemical Communications*, **2008**, 3272-4	5.8	25
39	Transient Technique for Identification of True Reaction Intermediates: Hydroperoxide Species in Propylene Epoxidation on Gold/Titanosilicate Catalysts by X-ray Absorption Fine Structure Spectroscopy. *Journal of Physical Chemistry C*, **2008**, 112, 1115-1123	3.8	141
38	Design of a high-temperature and high-pressure liquid flow cell for x-ray absorption fine structure measurements under catalytic reaction conditions. *Review of Scientific Instruments*, **2008**, 79, 014101	1.7	17
37	Preparation of supported NbC catalysts from peroxoniobic acid and in situ XAFS characterization. *Applied Catalysis A: General*, **2008**, 343, 25-28	5.1	7
36	Effect of Co addition for carburizing process of Ti-oxide/SiO2 into TiC/SiO2. *Applied Catalysis A: General*, **2007**, 323, 104-109	5.1	4
35	Active phases and sulfur tolerance of bimetallic PdPt catalysts used for hydrotreatment. *Applied Catalysis A: General*, **2007**, 322, 152-171	5.1	81
34	Ruthenium sulfide clusters in acidic zeolites: In situ XAS characterization during sulfidation and reaction. *Applied Catalysis A: General*, **2007**, 322, 98-105	5.1	14
33	Direct propylene epoxidation over barium-promoted Au/Ti-TUD catalysts with H2 and O2: Effect of Au particle size. *Journal of Catalysis*, **2007**, 250, 350-359	7.3	114
32	In Situ EXAFS Studies on Ni2P Hydrodesulfurization Catalysts in the Presence of High Pressure and High Temperature Oil. *AIP Conference Proceedings*, **2007**,	0	3
31	EXAFS measurements of a working catalyst in the liquid phase: An in situ study of a Ni2P hydrodesulfurization catalyst. *Journal of Catalysis*, **2006**, 241, 20-24	7.3	72
30	In situ UV-vis and EPR study on the formation of hydroperoxide species during direct gas phase propylene epoxidation over Au/Ti-SiO(2) catalyst. *Journal of Physical Chemistry B*, **2006**, 110, 22995-9	3.4	122
29	In situ XAFS analysis of PdPt catalysts during hydrotreatment of model oil. *Catalysis Today*, **2006**, 111, 199-204	5.3	18
28	Gas-phase radical generation by Ti oxide clusters supported on silica: application to the direct epoxidation of propylene to propylene oxide using molecular oxygen as an oxidant. *Catalysis Letters*, **2006**, 110, 47-51	2.8	22
27	Comparison of PhotoDegradation of Polyimide Film by UV Irradiation in Air and in Vacuum. *Physica Scripta*, **2005**, 412	2.6	2
26	In Situ XRay Absorption Fine Structure Studies on the Structure of Ni2P Supported on SiO2. *Physica Scripta*, **2005**, 822	2.6	5
25	In-Situ XAFS Analysis of Dynamic Structural Change of PdPt NanoParticles Supported on Catalyst Surface Under Sulfidation Conditions. *Physica Scripta*, **2005**, 828	2.6	2
24	Effect of noble metal particle size on the sulfur tolerance of monometallic Pd and Pt catalysts supported on high-silica USY zeolite. *Applied Catalysis A: General*, **2005**, 286, 249-257	5.1	35
23	EXAFS study on the sulfidation behavior of Pd, Pt and PdPt catalysts supported on amorphous silica and high-silica USY zeolite. *Applied Catalysis A: General*, **2005**, 290, 73-80	5.1	19

22	Preparation of Mesoporous Silica Supported Nb Catalysts and in-situ XAFS Characterization During Carburization Process. *Physica Scripta*, **2005**, 807	2.6	4
21	Sulfur Tolerance of Pd, Pt and Pd-Pt Catalysts Supported on Amorphous Silica. *Journal of the Japan Petroleum Institute*, **2004**, 47, 222-223	1	5
20	Hydrodesulfurization of thiophenic compounds over synthetic smectite-type clays. *Journal of Physics and Chemistry of Solids*, **2004**, 65, 503-507	3.9	3
19	Preparation of mesoporous silica anchored mo catalysts and in-situ XAFS characterization under propene photometathesis reaction. *Studies in Surface Science and Catalysis*, **2003**, 359-362	1.8	3
18	In Situ X-ray Absorption Fine Structure Studies on the Structure of Nickel Phosphide Catalyst Supported on K-USY. *Chemistry Letters*, **2003**, 32, 956-957	1.7	13
17	In situ XAFS analysis of catalytically active cobalt species in porous clays for deep hydrodesulfurization. *Catalysis Today*, **2003**, 87, 117-121	5.3	4
16	In-situ XAFS observation of formation of Pd-Pt bimetallic particles in a mesoporous USY zeolite. *Studies in Surface Science and Catalysis*, **2003**, 146, 363-366	1.8	
15	71 In-situ XAFS study of USY zeolite supported Pd-Pt catalysts under reduction and sulfidation conditions□ffect of Pt on structure of bimetallic Pd-Pt particles□*Studies in Surface Science and Catalysis*, **2003**, 145, 335-338	1.8	
14	In situ fluorescence XAFS study for hydrodesulfurization catalysts. *Physical Chemistry Chemical Physics*, **2003**, 5, 4510	3.6	32
13	In-situ XAFS Analysis of Y Zeolite-Supported Rh Catalysts during High-Pressure Hydrogenation of CO2. *Topics in Catalysis*, **2002**, 18, 59-65	2.3	7
12	Measurement of X-ray absorption spectra (XAS) of insulators by the partial electron yield method using an electron flood gun. *Journal of Electron Spectroscopy and Related Phenomena*, **2001**, 114-116, 1077-1081	1.7	4
11	In situ XAFS analysis system for high-pressure catalytic reactions and its application to CO2 hydrogenation over a Rh/Y-zeolite catalyst. *Journal of Synchrotron Radiation*, **2001**, 8, 581-3	2.4	13
10	CO2 hydrogenation reactivity and structure of Rh/SiO2 catalysts prepared from acetate, chloride and nitrate precursors. *Applied Catalysis A: General*, **2001**, 205, 285-294	5.1	50
9	Effect of metal loading on CO2 hydrogenation reactivity over Rh/SiO2 catalysts. *Applied Catalysis A: General*, **2000**, 197, 255-268	5.1	38
8	Characterization of Rh Particles and Li-Promoted Rh Particles in Y Zeolite during CO2 Hydrogenation□ New Mechanism for Catalysis Controlled by the Dynamic Structure of Rh Particles and the Li Additive Effect. *Journal of Catalysis*, **2000**, 194, 91-104	7.3	17
7	The Effect of Li on Structure of Supported Rh Particles in Zeolite. *Molecular Crystals and Liquid Crystals*, **2000**, 341, 473-478		2
6	CO2 hydrogenation over micro- and mesoporous oxides supported Ru catalysts. *Catalysis Letters*, **1999**, 60, 125-132	2.8	10
5	Attachment of an Organic Dye on a TiO2Substrate in Supercritical CO2: Application to a Solar Cell. *Chemistry Letters*, **1999**, 28, 853-854	1.7	13

4	EXAFS Observation of Li Additive Effect on Structure of Rh Particles Supported on Zeolite. *Japanese Journal of Applied Physics*, **1999**, 38, 81	1.4	
3	In-situ FT-IR study on CO2 hydrogenation over Cu catalysts supported on SiO2, Al2O3, and TiO2. *Applied Catalysis A: General*, **1997**, 165, 391-409	5.1	112
2	Surface Structures and Catalytic Hydroformylation Activities of Rh Dimers Attached on Various Inorganic Oxide Supports. *The Journal of Physical Chemistry*, **1996**, 100, 13636-13645		34
1	Structure and behaviour of Ru3(CO)12 supported on inorganic oxide surfaces, studied by EXAFS, infrared spectroscopy and temperature-programmed decomposition. *Journal of the Chemical Society, Faraday Transactions*, **1990**, 86, 2645		44