# Shogo Shimazu

List of Publications by Year
in descending order

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|---|---|---|---|
| 109 papers | 1,891 citations | 257450 24 h-index | 315739 38 g-index |
| 119 all docs | 119 docs citations | 119 times ranked | 2265 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Highly efficient and selective hydrogenation of unsaturated carbonyl compounds using Niâ€“Sn alloy catalysts. Catalysis Science and Technology, 2012, 2, 2139. | 4.1 | 116 |
| 2 | Hydrogenation of CO2 over sprayed Ru/TiO2 fine particles and strong metalâ€“support interaction. Applied Catalysis A: General, 1999, 180, 227-235. | 4.3 | 106 |
| 3 | Preparation of Au/TiO2 catalysts by suspension spray reaction method and their catalytic property for CO oxidation. Applied Catalysis A: General, 2003, 246, 87-95. | 4.3 | 94 |
| 4 | Amino acid adsorption onto mesoporous silica molecular sieves. Separation and Purification Technology, 2006, 48, 197-201. | 7.9 | 81 |
| 5 | Catalytic properties of sprayed Ru/Al2O3 and promoter effects of alkali metals in CO2 hydrogenation. Applied Catalysis A: General, 1998, 172, 351-358. | 4.3 | 80 |
| 6 | The influence of metals and acidic oxide species on the steam reforming of dimethyl ether (DME). Applied Catalysis A: General, 2008, 348, 193-200. | 4.3 | 74 |
| 7 | Creation of highly stable monomeric Pd(II) species in an anion-exchangeable hydroxy double salt interlayer: Application to aerobic alcohol oxidation under an air atmosphere. Green Chemistry, 2009, 11, 2034. | 9.0 | 51 |
| 8 | Highly Efficient Pd/SiO2â€“Dimethyl Sulfoxide Catalyst System for Selective Semihydrogenation of Alkynes. Chemistry Letters, 2011, 40, 405-407. | 1.3 | 51 |
| 9 | Fuels and fuel additives from furfural derivatives via etherification and formation of methylfurans. Fuel Processing Technology, 2020, 200, 106308. | 7.2 | 50 |
| 10 | Asymmetric hydrogenation of Î±,Î²-unsaturated carboxylic acid esters by rhodium(I) â€” phosphine complexes supported on smectites. Journal of Molecular Catalysis A, 1996, 107, 297-303. | 4.8 | 49 |
| 11 | Fine Tuning of Pd0 Nanoparticle Formation on Hydroxyapatite and Its Application for Regioselective Quinoline Hydrogenation. Chemistry Letters, 2010, 39, 832-834. | 1.3 | 49 |
| 12 | Characterization of CuMn-spinel catalyst for methanol steam reforming. Catalysis Communications, 2009, 10, 1800-1803. | 3.3 | 42 |
| 13 | Synthesis of 1,5â€Pentanediol by Hydrogenolysis of Furfuryl Alcohol over Niâ€“Y<sub>2</sub>O<sub>3</sub> Composite Catalyst. ChemCatChem, 2017, 9, 2869-2874. | 3.7 | 40 |
| 14 | Preparation of clay-supported Sn catalysts and application to Baeyerâ€“Villiger oxidation. Green Chemistry, 2012, 14, 771. | 9.0 | 39 |
| 15 | One-pot selective conversion of C5-furan into 1,4-pentanediol over bulk Niâ€“Sn alloy catalysts in an ethanol/H2O solvent mixture. Green Chemistry, 2019, 21, 2307-2315. | 9.0 | 38 |
| 16 | Efficient hydrogenation of levulinic acid in water using a supported Niâ€“Sn alloy on aluminium hydroxide catalysts. Catalysis Science and Technology, 2016, 6, 2955-2961. | 4.1 | 37 |
| 17 | Selective hydrogenation of unsaturated carbonyls by Niâ€“Fe-based alloy catalysts. Catalysis Science and Technology, 2017, 7, 3637-3646. | 4.1 | 37 |
| 18 | Asymmetric hydrogenation of itaconates by hectorite-intercalated Rh-DIOP complex. Journal of Molecular Catalysis A, 1999, 137, 263-267. | 4.8 | 33 |

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|---|---|---|---|
| 19 | Oxidative cleavage of isoeugenol to vanillin under molecular oxygen catalysed by cobalt porphyrin intercalated into lithium taeniolite clay. Journal of Molecular Catalysis A, 2012, 361-362, 72-79. | 4.8 | 31 |
| 20 | Promoting effect of NiAl2O4 for supported Ni particles on sprayed Ni/Al2O3 catalysts. Catalysis Letters, 2000, 69, 33-36. | 2.6 | 30 |
| 21 | A Novel Preparation Method of Niâ€“Sn Alloy Catalysts Supported on Aluminium Hydroxide: Application to Chemoselective Hydrogenation of Unsaturated Carbonyl Compounds. Chemistry Letters, 2012, 41, 769-771. | 1.3 | 29 |
| 22 | Novel preparation method of bimetallic Ni-In alloy catalysts supported on amorphous alumina for the highly selective hydrogenation of furfural. Molecular Catalysis, 2018, 445, 52-60. | 2.0 | 29 |
| 23 | Regioselective hydrogenation of dienes catalyzed by palladiumâ€“aminosilane complexes grafted on MCM-41. Journal of Molecular Catalysis A, 2002, 182-183, 343-350. | 4.8 | 26 |
| 24 | Shape selective hydrogenation by ruthenium-hectorite catalysts with various interlayer distances. Applied Catalysis, 1987, 34, 255-261. | 0.8 | 25 |
| 25 | Hemicellulose decomposition and saccharides production from various plant biomass by sulfonated allophane catalyst. Catalysis Today, 2011, 164, 415-418. | 4.4 | 25 |
| 26 | An anionic d-valineâ€“palladium(ii) complex supported on a hydroxy double salt with a BrÃ¸nsted basic phosphate anion: application for a heterogeneous catalyst toward aerobic alcohol oxidation. Catalysis Science and Technology, 2011, 1, 1376. | 4.1 | 23 |
| 27 | Efficient 1,4-Addition of Enones and Boronic Acids Catalyzed by a Niâ€“Zn Hydroxyl Double Salt-Intercalated Anionic Rhodium(III) Complex. ACS Catalysis, 2014, 4, 4040-4046. | 11.2 | 23 |
| 28 | Hydrogenolysis of Furfural into 1,5-Pentanediol by Employing Ni-M (M = Y or La) Composite Catalysts. Chemistry Letters, 2017, 46, 744-746. | 1.3 | 21 |
| 29 | Acceptorless dehydrogenation of alcohols using Cuâ€“Fe catalysts prepared from Cuâ€“Fe layered double hydroxides as precursors. Catalysis Science and Technology, 2018, 8, 3010-3014. | 4.1 | 20 |
| 30 | Development of Nanoporous Ni-Sn Alloy and Application for Chemoselective Hydrogenation of Furfural to Furfuryl Alcohol. Bulletin of Chemical Reaction Engineering and Catalysis, 2014, 9, 53-59. | 1.1 | 19 |
| 31 | Selective Production of Xylose and Xylo-oligosaccharides from Bamboo Biomass by Sulfonated Allophane Solid Acid Catalyst. Chemistry Letters, 2009, 38, 1176-1177. | 1.3 | 17 |
| 32 | Size Control of Catalytic Reaction Space by Intercalation of Alkylcarboxylate Anions into Niâ€“Zn Mixed Basic Salt Interlayer: Application for Knoevenagel Reaction in Water. Chemistry Letters, 2010, 39, 304-305. | 1.3 | 17 |
| 33 | Studies on tris(Î²-diketonato)zirconium (IV); syntheses, characterization and catalytic activity for ring opening of oxiranes. Catalysis Communications, 2005, 6, 426-430. | 3.3 | 15 |
| 34 | Highly efficient alcohol oxidation catalyzed by palladium(II)â€“alkylamine complexes using atmospheric molecular oxygen. Journal of Molecular Catalysis A, 2008, 282, 28-33. | 4.8 | 15 |
| 35 | Efficiently Recyclable and Easily Separable Ni-Fe Alloy Catalysts for Chemoselective Hydrogenation of Biomass-derived Furfural. Chemistry Letters, 2017, 46, 149-151. | 1.3 | 15 |
| 36 | Selective hydrogenation of alkynes by hectorite-intercalated PD[II] complexes. Catalysis Today, 1989, 6, 141-146. | 4.4 | 14 |

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|---|---|---|---|
| 37 | Complete Hydrodechlorination of DDT and Its Derivatives Using a Hydroxyapatite-supported Pd Nanoparticle Catalyst. Chemistry Letters, 2010, 39, 49-51. | 1.3 | 14 |
| 38 | Chemoselective Hydrogenation of Unsaturated Nitro Compounds to Unsaturated Amines by Ni-Sn Alloy Catalysts. Chemistry Letters, 2018, 47, 971-974. | 1.3 | 14 |
| 39 | Highly Catalytic Performance of La<sub>2</sub>O<sub>3</sub> in the Selective Transfer Hydrogenation of Biomass-derived Furfural. Chemistry Letters, 2017, 46, 1580-1583. | 1.3 | 13 |
| 40 | Recyclable Pd-contained perovskite catalyst synthesized by a low temperature hydrothermal method for aerobic alcohol oxidation. Molecular Catalysis, 2018, 453, 132-138. | 2.0 | 13 |
| 41 | XAFS and HAADF STEM combined characterization for size regulated Ni nanocluster catalyst and its unique size dependence for water gas shift reaction. Applied Catalysis A: General, 2014, 478, 66-70. | 4.3 | 12 |
| 42 | Epoxidation of cyclic enones with hydrogen peroxide catalysed by alkylcarboxylate-intercalated Niâ€“Zn mixed basic salts. Catalysis Science and Technology, 2015, 5, 578-583. | 4.1 | 12 |
| 43 | Hydrogenolysis of Tetrahydrofurfuryl Alcohol to 1,5-Pentanediol over a Nickel-Yttrium Oxide Catalyst Containing Ruthenium. Chemistry Letters, 2018, 47, 103-106. | 1.3 | 12 |
| 44 | New application of spray reaction technique to the preparation of supported gold catalysts for environmental catalysis. Journal of Molecular Catalysis A, 2002, 182-183, 209-214. | 4.8 | 11 |
| 45 | Hydrogenation of Biomass-derived Furfural Over Highly Dispersed-Aluminium Hydroxide Supported Ni-Sn(3.0) Alloy Catalysts. Procedia Chemistry, 2015, 16, 531-539. | 0.7 | 11 |
| 46 | Study on the selectivity of propane photo-oxidation reaction on SBA-15 supported Mo oxide catalyst. Catalysis Today, 2016, 265, 90-94. | 4.4 | 11 |
| 47 | Kaolinite Catalyst for the Production of a Biodiesel-Based Compound from Biomass-Derived Furfuryl Alcohol. ACS Applied Energy Materials, 2018, 1, 2460-2463. | 5.1 | 11 |
| 48 | Chemoselective Hydrogenation of 4-Nitrostyrene to 4-Aminostyrene by Highly Efficient TiO2 Supported Ni3Sn2 Alloy Catalyst. Bulletin of the Chemical Society of Japan, 2019, 92, 811-816. | 3.2 | 11 |
| 49 | One-pot synthesis of aniline N-alkylation from benzyl alcohol over Cu-Fe catalyst. Applied Catalysis A: General, 2020, 602, 117519. | 4.3 | 11 |
| 50 | Catalytic behaviour of interlayer-supported palladium(II) complexes on lithium hectorite. Journal of Molecular Catalysis, 1989, 55, 353-360. | 1.2 | 10 |
| 51 | Characterization of Heat-Treated Synthetic Imogolite by 27Al MAS and 27Al MQMAS Solid-State NMR. Bulletin of the Chemical Society of Japan, 2011, 84, 656-659. | 3.2 | 10 |
| 52 | Methanol carbonylation catalyzed by polymer-supported rhodium complexes. Applied Catalysis, 1987, 35, 279-288. | 0.8 | 9 |
| 53 | New Clay-Supported Chiral Rhodium Complexes: Interlayer Modification with Structural Tuning Guests and Asymmetric Hydrogenation. Chemistry Letters, 1998, 27, 1191-1192. | 1.3 | 9 |
| 54 | Synthesis of Novel Nano-structured Clays: Unique Conformation of Pillar Complexes. Chemistry Letters, 2004, 33, 208-209. | 1.3 | 9 |

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|---|---|---|---|
| 55 | CaO-catalyzed Aerobic Oxidation of Î±-Hydroxy Ketones: Application to One-pot Synthesis of Quinoxaline Derivatives. Chemistry Letters, 2012, 41, 488-490. | 1.3 | 9 |
| 56 | Hydrophenylation of internal alkynes with boronic acids catalysed by a Niâ€“Zn hydroxy double salt-intercalated anionic rhodium(<scp>iii</scp>) complex. Catalysis Science and Technology, 2016, 6, 863-868. | 4.1 | 9 |
| 57 | Study on the promoting effect of nickel silicate for 1-phenylethanol oxidation on supported NiO nanocluster catalysts. Catalysis Today, 2018, 307, 29-34. | 4.4 | 9 |
| 58 | Selective Hydrogenation of Biomass-derived Furfural over Supported Ni3Sn2 Alloy: Role of Supports. Bulletin of Chemical Reaction Engineering and Catalysis, 2016, 11, 1. | 1.1 | 9 |
| 59 | Creation of Highly Reducible CuO Species by High-Temperature Calcination of a Cu-Al Layered Double Hydroxide: Selective Hydrogenation of Furfural into Furfuryl Alcohol with Formic Acid. Bulletin of the Chemical Society of Japan, 2022, 95, 121-128. | 3.2 | 9 |
| 60 | PREPARATION OF Ba2YCu3O7â^'x BY SPRAY DECOMPOSITION METHOD. Modern Physics Letters B, 1988, 02, 501-504. | 1.9 | 8 |
| 61 | Recyclable Pd-Incorporated Perovskite-Titanate Catalysts Synthesized in Molten Salts for the Liquid-Phase Oxidation of Alcohols with Molecular Oxygen. Bulletin of the Chemical Society of Japan, 2013, 86, 146-152. | 3.2 | 8 |
| 62 | Highly Selective Transfer Hydrogenation of Carbonyl Compounds Using La2O3. Bulletin of the Chemical Society of Japan, 2018, 91, 1561-1569. | 3.2 | 8 |
| 63 | Preparation and Characterization of a Resin-Supported Palladium Catalyst. Bulletin of the Chemical Society of Japan, 1986, 59, 3637-3642. | 3.2 | 7 |
| 64 | XAFS Analysis for Niobium Carbide Particle Growth on Silica Support During Preparation Process. Topics in Catalysis, 2002, 18, 101-104. | 2.8 | 7 |
| 65 | Preparation of supported NbC catalysts from peroxoniobic acid and in situ XAFS characterization. Applied Catalysis A: General, 2008, 343, 25-28. | 4.3 | 7 |
| 66 | Promotional Effect of Iron for the Nitridation of Niobium Oxide to Niobium Nitride. Topics in Catalysis, 2009, 52, 1517-1524. | 2.8 | 7 |
| 67 | Preparation and Catalysis of Supported NiO Nanocluster for Oxidative Coupling of Thiophenol. Transactions of the Materials Research Society of Japan, 2012, 37, 177-180. | 0.2 | 7 |
| 68 | Iron oxide-pillared clay catalyzed the synthesis of acetonides from epoxides. Catalysis Communications, 2014, 54, 104-107. | 3.3 | 7 |
| 69 | In Situ Generation of Catalytically Active Cu0 Species Derived from Cu-Al Layered Double Hydroxides for Acceptorless Alcohol Dehydrogenation. Chemistry Letters, 2022, 51, 334-337. | 1.3 | 7 |
| 70 | Activation of Bulk MoO3Catalysts by Spray Reaction Method for Propene Photometathesis Reaction. Catalysis Letters, 2004, 93, 177-180. | 2.6 | 6 |
| 71 | Selective synthesis of primary methoxypropanol using clay supported tris(2,4-pentanedionato)zirconium(IV). Journal of Molecular Catalysis A, 2004, 221, 141-144. | 4.8 | 6 |
| 72 | Effect of Local Structure of Mo Oxide on Selective Photo-Oxidation of Propane to Acetone. Catalysis Letters, 2013, 143, 154-158. | 2.6 | 6 |

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|---|---|---|---|
| 73 | Unravelling the one-pot conversion of biomass-derived furfural and levulinic acid to 1,4-pentanediol catalysed by supported RANEYÂ® Niâ€“Sn alloy catalysts. RSC Advances, 2021, 12, 241-250. | 3.6 | 6 |
| 74 | Effect of glass transition on catalytic activity of polymer-anchored rhodium complexes. Die Makromolekulare Chemie, 1987, 188, 1085-1093. | 1.1 | 5 |
| 75 | Asymmetric Recognition of Hectorite Modified with Chiral Arylethylammonium. Chemistry Letters, 1993, 22, 989-992. | 1.3 | 5 |
| 76 | Effect of Co addition for carburizing process of Ti-oxide/SiO2 into TiC/SiO2. Applied Catalysis A: General, 2007, 323, 104-109. | 4.3 | 5 |
| 77 | Size Control of Ni Nanocluster by the Carbon Chain Length of Secondary Alkoxide. E-Journal of Surface Science and Nanotechnology, 2012, 10, 648-650. | 0.4 | 5 |
| 78 | TOTAL HYDROGENATION OF BIOMASS-DERIVED FURFURAL OVER RANEY NICKEL-CLAY NANOCOMPOSITE CATALYSTS. Indonesian Journal of Chemistry, 2013, 13, 101-107. | 0.8 | 5 |
| 79 | Selective Hydrogenation Properties of Ni-Based Bimetallic Catalysts. Eng, 2022, 3, 60-77. | 2.4 | 5 |
| 80 | Pillarization of lithium hectorite with metal complexes bearing large chelate ligands. Journal of Materials Science Letters, 1989, 8, 1368-1370. | 0.5 | 4 |
| 81 | Regioselective Ring Opening Reactions of Oxiranes with Acrylic Acid by Clay Supported Zirconium .BETA.-Diketonate Catalysts. Journal of Ion Exchange, 2007, 18, 584-589. | 0.3 | 4 |
| 82 | Preparation of a Highly Stable Pd-Perovskite Catalyst for Suzuki Couplings via a Low-Temperature Hydrothermal Treatment. ACS Omega, 2018, 3, 17528-17531. | 3.5 | 4 |
| 83 | CHARACTERIZATION OF SORBENT PRODUCED THROUGH IMMOBILIZATION OF HUMIC ACID ON CHITOSAN USING GLUTARALDEHYDE AS CROSS-LINKING AGENT AND Pb(II) ION AS ACTIVE SITE PROTECTOR. Indonesian Journal of Chemistry, 2010, 10, 301-309. | 0.8 | 4 |
| 84 | Preparation of Clay-Supported Metal Complexes and Application to Catalyses for Molecular Recognition Reactions.. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 1993, 51, 664-670. | 0.1 | 4 |
| 85 | Hydrogenation of CO2 over metal supported fine particles. Studies in Surface Science and Catalysis, 1993, 77, 397-400. | 1.5 | 3 |
| 86 | Control of photochemistry of stilbazolium ion by adsorption to poly(potassium vinylsulfate) and to hectorite clay. Macromolecular Rapid Communications, 1995, 16, 717-723. | 3.9 | 3 |
| 87 | Suspended Spray Reaction for Preparation of Ru/Al2O3Catalyst. Chemistry Letters, 2000, 29, 652-653. | 1.3 | 3 |
| 88 | 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. | 1.5 | 3 |
| 89 | Development of Supported NiO Nanocluster for Aerobic Oxidation of 1-Phenylethanol and Elucidation of Reaction Mechanism via X-ray Analysis. Bulletin of the Chemical Society of Japan, 2019, 92, 840-846. | 3.2 | 3 |
| 90 | Chemoselective synthesis of imine and secondary amine from nitrobenzene and benzaldehyde by Ni3Sn2 alloy catalyst supported on TiO2. Molecular Catalysis, 2021, 505, 111503. | 2.0 | 3 |

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|---|---|---|---|
| 91 | Specific lift-up behaviour of acetate-intercalated layered yttrium hydroxide interlayer in water: application for heterogeneous BrÃ¸nsted base catalysts toward Knoevenagel reactions. Catalysis Science and Technology, 2022, 12, 2061-2070. | 4.1 | 3 |
| 92 | Characteristics of supported gold catalysts prepared by spray reaction method. Studies in Surface Science and Catalysis, 2001, , 769-772. | 1.5 | 2 |
| 93 | Multinuclear Solid-State NMR Study of Allophane. Bulletin of the Chemical Society of Japan, 2012, 85, 372-375. | 3.2 | 2 |
| 94 | The catalytic oxidation of 1-phenylethanol over SiO2 supported manganese oxide nanocluster prepared by PVP stabilized colloidal Mn as precursor. Catalysis Today, 2020, 352, 250-254. | 4.4 | 2 |
| 95 | Asymmetric Hydrogenation of Acetophenone by Rh(I)-BINAP Supported on Smectites with Various Interlayer Distances. Journal of Ion Exchange, 2003, 14, 397-400. | 0.3 | 2 |
| 96 | Modification of layer compounds for molecular recognition. Studies in Surface Science and Catalysis, 1995, 98, 142-143. | 1.5 | 1 |
| 97 | Multiple Scattering Approach to Au L3edge XANES of sprAuAl2O3 Catalyst. Physica Scripta, 2005, , 756. | 2.5 | 1 |
| 98 | In-Situ XAFS Characterization for Nitriding Process of Silica Supported Nb Catalysts Under N2-H2 Gas. AIP Conference Proceedings, 2007, , . | 0.4 | 1 |
| 99 | XAFS Study of the Photo-Active Site of Mo/MCM-41. AIP Conference Proceedings, 2007, , . | 0.4 | 1 |
| 100 | New development of inorganic ion exchanger: Acidic Property of Fe(III)-Taeniolite. Journal of Ion Exchange, 2005, 16, 60-64. | 0.3 | 1 |
| 101 | Ring-Opening of Oxiranes using Taeniolite-Supported Tris(Î²-Diketonato)Zirconium. ITB Journal of Science, 2012, 44, 263-274. | 0.1 | 1 |
| 102 | Preparation of Palladium-impregnated Fiber and Its Characteristics of Dechlorination of 2-chlorophenol. Radioisotopes, 2019, 68, 443-449. | 0.2 | 0 |
| 103 | Enhancement of Oxidative Dehydrogenation of Alcohols by Utilizing Hydrotalcite as Support of NiO Nanocluster Catalyst. Chemistry Letters, 2019, 48, 374-377. | 1.3 | 0 |
| 104 | Nano-Structured Catalysts Prepared by the Intercalation of Metal Complexes into Inorganic Ion Exchangers. Journal of Ion Exchange, 2007, 18, 60-67. | 0.3 | 0 |
| 105 | Development of multifunctional intercalation catalysts by means of inorganic layer compounds. Journal of Ion Exchange, 2013, 24, 1-7. | 0.3 | 0 |
| 106 | Selective Organic Synthesis by Clay Supported Metal Complexes.. Sekiyu Gakkaishi (Journal of the Japan) Tj ETQq0 0 0 rgBT /Overlock 10 | 0.1 | 0 |
| 107 | Catalytic Activities for Dehydration of Alcohols over Synthetic Lithium Taeniolites Exchanged with Cations.. Journal of Ion Exchange, 1995, 6, 16-22. | 0.3 | 0 |
| 108 | Chemical Modification of Ion Exchangers by Soft-Chemical Methods and Application to Catalysis for Molecular Recognition Reactions.. Journal of Ion Exchange, 1997, 8, 29-43. | 0.3 | 0 |

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|---|---|---|---|
| 109 | Adsorptive Removal of Arsenic(III) and Arsenic(V) from Aqueous Solution using Nickelâ€“Zinc Hydroxyl Double Salts. Kagaku Kogaku Ronbunshu, 2019, 45, 80-85. | 0.3 | 0 |