

Kazuya Imamura

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

1,051
citations

516215

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525886

27
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docs citations

32
times ranked

1168
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Ammonia synthesis over lanthanoid oxide-supported ruthenium catalysts. <i>Catalysis Today</i> , 2021, 376, 36-40. | 2.2 | 24 |
| 2 | The Role of the Surface Acid-Base Nature of Nanocrystalline Hydroxyapatite Catalysts in the 1,6-Hexanediol Conversion. <i>Nanomaterials</i> , 2021, 11, 659. | 1.9 | 6 |
| 3 | Photocatalytic hydrogenation of nitrobenzene to aniline over titanium(<i>iv</i>) oxide using various saccharides instead of hydrogen gas. <i>RSC Advances</i> , 2021, 11, 32300-32304. | 1.7 | 4 |
| 4 | Hydrolysis of Oligosaccharides and Polysaccharides on Sulfonated Solid Acid Catalysts: Relations between Adsorption Properties and Catalytic Activities. <i>ACS Omega</i> , 2020, 5, 24964-24972. | 1.6 | 16 |
| 5 | Kinetics of ammonia synthesis over Ru/Pr ₂ O ₃ . <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 105, 50-56. | 2.7 | 35 |
| 6 | Integrity analysis of authenticated encryption based on stream ciphers. <i>International Journal of Information Security</i> , 2018, 17, 493-511. | 2.3 | 3 |
| 7 | Ring hydrogenation of aromatic compounds in aqueous suspensions of an Rh-loaded TiO ₂ photocatalyst without use of H ₂ gas. <i>Catalysis Science and Technology</i> , 2018, 8, 139-146. | 2.1 | 23 |
| 8 | Synthesis of Novel Layered Zinc Glycolate and Exchange of Ethylene Glycol with Manganese Acetate Complex. <i>Bulletin of the Chemical Society of Japan</i> , 2018, 91, 1546-1552. | 2.0 | 6 |
| 9 | Titanium(<i>iv</i>) oxide having a copper co-catalyst: a new type of semihydrogenation photocatalyst working efficiently at an elevated temperature under hydrogen-free and poison-free conditions. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 19321-19325. | 1.3 | 15 |
| 10 | Photocatalytic chemoselective cleavage of C=O bonds under hydrogen gas- and acid-free conditions. <i>Chemical Communications</i> , 2018, 54, 7298-7301. | 2.2 | 5 |
| 11 | Carbon-free H ₂ production from ammonia triggered at room temperature with an acidic RuO ₂ /Al ₂ O ₃ catalyst. <i>Science Advances</i> , 2017, 3, e1602747. | 4.7 | 78 |
| 12 | A low-crystalline ruthenium nano-layer supported on praseodymium oxide as an active catalyst for ammonia synthesis. <i>Chemical Science</i> , 2017, 8, 674-679. | 3.7 | 149 |
| 13 | Copper-Modified Titanium Dioxide: A Simple Photocatalyst for the Chemoselective and Diastereoselective Hydrogenation of Alkynes to Alkenes under Additive-Free Conditions. <i>ChemCatChem</i> , 2016, 8, 2019-2022. | 1.8 | 44 |
| 14 | Organically modified titania having a metal catalyst: a new type of liquid-phase hydrogen-transfer photocatalyst working under visible light irradiation and H ₂ -free conditions. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 16076-16079. | 1.3 | 6 |
| 15 | Synthetic Applications of Titanium(IV) Oxide-Based Photocatalysts. <i>Green Chemistry and Sustainable Technology</i> , 2016, , 283-320. | 0.4 | 2 |
| 16 | Integrity Analysis of Authenticated Encryption Based on Stream Ciphers. <i>Lecture Notes in Computer Science</i> , 2016, , 257-276. | 1.0 | 1 |
| 17 | Photocatalytic chemoselective reduction of epoxides to alkenes along with formation of ketones in alcoholic suspensions of silver-loaded titanium(<i>iv</i>) oxide at room temperature without the use of reducing gases. <i>Chemical Communications</i> , 2014, 50, 4558-4560. | 2.2 | 40 |
| 18 | Photocatalytic hydrogenation of alkenes to alkanes in alcoholic suspensions of palladium-loaded titanium(<i>iv</i>) oxide without the use of hydrogen gas. <i>RSC Advances</i> , 2014, 4, 19883-19886. | 1.7 | 48 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Chemoselective reduction of nitrobenzenes having other reducible groups over titanium(IV) oxide photocatalyst under protection-, gas-, and metal-free conditions. <i>Tetrahedron</i> , 2014, 70, 6134-6139. | 1.0 | 19 |
| 20 | Photocatalytic deoxygenation of sulfoxides to sulfides over titanium(IV) oxide at room temperature without use of metal co-catalysts. <i>Catalysis Communications</i> , 2014, 54, 100-103. | 1.6 | 17 |
| 21 | Photocatalytic reduction of benzonitrile to benzylamine in aqueous suspensions of palladium-loaded titanium(iv) oxide. <i>Chemical Communications</i> , 2013, 49, 10911. | 2.2 | 53 |
| 22 | Functionalization of a plasmonic Au/TiO ₂ photocatalyst with an Ag co-catalyst for quantitative reduction of nitrobenzene to aniline in 2-propanol suspensions under irradiation of visible light. <i>Chemical Communications</i> , 2013, 49, 2551. | 2.2 | 116 |
| 23 | Stoichiometric production of aminobenzenes and ketones by photocatalytic reduction of nitrobenzenes in secondary alcoholic suspension of titanium(IV) oxide under metal-free conditions. <i>Applied Catalysis B: Environmental</i> , 2013, 134-135, 193-197. | 10.8 | 78 |
| 24 | Simultaneous production of aromatic aldehydes and dihydrogen by photocatalytic dehydrogenation of liquid alcohols over metal-loaded titanium(IV) oxide under oxidant- and solvent-free conditions. <i>Applied Catalysis A: General</i> , 2013, 450, 28-33. | 2.2 | 42 |
| 25 | Chemoselective reduction of nitrobenzenes to aminobenzenes having reducible groups by a titanium(iv) oxide photocatalyst under gas- and metal-free conditions. <i>Chemical Communications</i> , 2012, 48, 4356. | 2.2 | 71 |
| 26 | Photocatalytic reduction of nitrobenzenes to aminobenzenes in aqueous suspensions of titanium(iv) oxide in the presence of hole scavengers under deaerated and aerated conditions. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 5114. | 1.3 | 97 |
| 27 | Photocatalytic Reduction of Nitrobenzene to Aniline in an Aqueous Suspension of Titanium(IV) Oxide Particles in the Presence of Oxalic Acid as a Hole Scavenger and Promotive Effect of Dioxygen in the System. <i>Chemistry Letters</i> , 2009, 38, 410-411. | 0.7 | 53 |