

# Isao Nakatsugawa

## List of Publications by Year in descending order

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20  
papers

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citations

840776

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times ranked

617  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Solution combustion synthesis of LaMO <sub>3</sub> (M=Fe, Co, Mn) perovskite nanoparticles and the measurement of their electrocatalytic properties for air cathode. International Journal of Hydrogen Energy, 2013, 38, 13238-13248. | 7.1  | 104       |
| 2  | Characterization and performance of laser melted AZ91D and AM60B. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2001, 299, 38-45.   | 5.6  | 99        |
| 3  | Magnesium castings for automotive applications. Jom, 1995, 47, 28-31.   | 1.9  | 72        |
| 4  | Improving Corrosion Resistance of AZ91D Magnesium Alloy by Nitrogen Ion Implantation. Corrosion, 1996, 52, 921-926.   | 1.1  | 59        |
| 5  | Solution combustion synthesis of LiMn <sub>2</sub> O <sub>4</sub> fine powders for lithium ion batteries. Advanced Powder Technology, 2014, 25, 342-347.  | 4.1  | 49        |
| 6  | Industrial production of MgH <sub>2</sub> and its application. Journal of Alloys and Compounds, 2011, 509, S650-S653.   | 5.5  | 33        |
| 7  | Salt-assisted combustion synthesis of $\hat{\Gamma}^2$ -SiAlON fine powders. Intermetallics, 2013, 35, 53-59.   | 3.9  | 22        |
| 8  | Morphology control of $\hat{\Gamma}^2$ -SiAlON via salt-assisted combustion synthesis. Ceramics International, 2014, 40, 1815-1820.   | 4.8  | 16        |
| 9  | Fabrication of mixed $\hat{\Gamma}^\pm/\hat{\Gamma}^2$ -SiAlON powders via salt-assisted combustion synthesis. Journal of Alloys and Compounds, 2014, 604, 260-265.   | 5.5  | 14        |
| 10 | Reaction characteristics of combustion synthesis of $\hat{\Gamma}^2$ -SiAlON using different additives. Chemical Engineering Journal, 2014, 241, 235-242.   | 12.7 | 14        |
| 11 | Spark plasma sintering behavior of combustion-synthesized (Y, Ca)- $\hat{\Gamma}^\pm$ -SiAlON. Ceramics International, 2016, 42, 15687-15693.   | 4.8  | 13        |
| 12 | Performance of AZ31 Alloy as Anodes for Primary Magnesium-Air Batteries under High Current Discharge. Materials Transactions, 2020, 61, 200-205.  | 1.2  | 13        |
| 13 | Effect of NaCl Concentration on the Galvanic Corrosion Behavior of a Magnesium AZX611/Aluminum A6N01 Alloy Joint. Journal of the Electrochemical Society, 2020, 167, 061501.  | 2.9  | 10        |
| 14 | Discharge Performance of Mg-6 wt%Al Alloy Anodes Containing Ca and Zn for Magnesium-Air Batteries. Journal of the Electrochemical Society, 2021, 168, 050507.   | 2.9  | 10        |
| 15 | Electrochemical Corrosion Studies of Thixomolded AZ91D Alloy in Sodium Chloride Solution. Materials Science Forum, 2003, 419-422, 845-850.  | 0.3  | 5         |
| 16 | Effect of Area Ratio on the Galvanic Corrosion of AZX611 Magnesium Alloy/A6N01 Aluminum Alloy Joint. Materials Transactions, 2021, 62, 1764-1770.   | 1.2  | 5         |
| 17 | Linear Friction Welding of an AZ91 Magnesium Alloy and the Effect of Ca Additions on the Weld Characteristics. Materials, 2021, 14, 3130.   | 2.9  | 4         |
| 18 | Surface analysis of the injection molded magnesium alloy using GD-OES. Surface and Coatings Technology, 2003, 169-170, 307-310.   | 4.8  | 3         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Combustion synthesis of high-purity SiAlON fine powders using natural kaolin. AICHE Journal, 2013, 59, 19-22.                | 3.6 | 3         |
| 20 | Corrosion of Linear-Friction-Welded AZ91 and AZX912 Mg-Al Alloys. Journal of the Electrochemical Society, 2022, 169, 031508. | 2.9 | 3         |