# Norihiko Fukatsu

List of Publications by Year
in descending order

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| 21 | 418 | 840776 11 | 713466 21 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 21 | 21 | 21 | 268 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Protonic Conduction Domain of Indiumâ€Doped Calcium Zirconate. Journal of the Electrochemical Society, 1995, 142, 1552-1559. | 2.9 | 128 |
| 2 | Defect structure of alumina-rich nonstoichiometric magnesium aluminate spinel. Solid State Ionics, 2006, 177, 59-64. | 2.7 | 41 |
| 3 | The measurement of hydrogen activities in molten copper using an oxide protonic conductor. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 1996, 27, 929-935. | 2.1 | 34 |
| 4 | Proton conduction in Al-doped CaZrO3. Electrochimica Acta, 2011, 56, 1062-1068. | 5.2 | 26 |
| 5 | Hydrogen Analyzer Based on Coulometric Titration Using Proton Conductive Solid Electrolyte. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 1994, 58, 782-788. | 0.4 | 25 |
| 6 | Hydrogen sensor based on oxide proton conductors and its application to metallurgical engineering. Ionics, 2005, 11, 54-65. | 2.4 | 23 |
| 7 | Properties of Electrical Conductivity in Y-Doped CaZrO<sub>3</sub>. Materials Transactions, 2012, 53, 973-979. | 1.2 | 19 |
| 8 | Electromotive Force of the Hydrogen Concentration Cell based on SrCe<SUB>0.95</SUB>Yb<SUB>0.05</SUB>O<SUB>3−δ</SUB> Solid Electrolyte. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 1987, 51, 848-857. | 0.4 | 19 |
| 9 | Incorporation of hydrogen in barium-doped Î±-alumina. Solid State Ionics, 2009, 180, 175-182. | 2.7 | 17 |
| 10 | Hydrogen concentration cell using Î±-Al2O3 as a solid electrolyte. Solid State Ionics, 2003, 162-163, 135-145. | 2.7 | 14 |
| 11 | Measurements of the electronic conductivities of In-doped CaZrO3 by a DC polarization technique. Ionics, 2010, 16, 787-795. | 2.4 | 12 |
| 12 | Determination of Charge Carriers in Solid Electrolyte SrCe<SUB>0.95</SUB>Yb<SUB>0.05</SUB>O<SUB>3−δ</SUB> by DC Polarization. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 1988, 52, 310-319. | 0.4 | 11 |
| 13 | Electromotive Force of the High-Temperature Concentration Cell Using Al-Doped CaZrO<sub>3</sub> as the Electrolyte. Materials Transactions, 2012, 53, 752-759. | 1.2 | 11 |
| 14 | Electrical conductivity of calcium-doped Î±-alumina. Solid State Ionics, 2010, 181, 142-147. | 2.7 | 10 |
| 15 | Analysis of Defect Structure of the Proton-Conducting Oxide CaZr[sub 0.9]In[sub 0.1]O[sub 3â^'Î´] by a DC Polarization Technique. Journal of the Electrochemical Society, 2002, 149, D104. | 2.9 | 9 |
| 16 | The Electromotive Force of a Hydrogen andâ^•or Oxygen Concentration Cell Using 10 mol % In-doped CaZrO3 as the Solid Electrolyte. Journal of the Electrochemical Society, 2011, 158, B667. | 2.9 | 7 |
| 17 | Role of the Oxide Film formed on the Surf ace of Molten Aluminum as a Membrane for Chemical Pumping of Hydrogen. Electrochemistry, 2000, 68, 709-712. | 1.4 | 5 |
| 18 | Electromotive Force of Gas Concentration Cell Using Alumina-Rich Nonstoichiometric Magnesium Aluminate Spinel as the Solid Electrolyte. Materials Transactions, 2008, 49, 187-192. | 1.2 | 2 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | The effect of annealing on the proton conductivity of Mg-doped Î±-Al2O3. Ionics, 2012, 18, 85-90. | 2.4 | 2 |
| 20 | Self-referenced Electrode for Galvanic Cell-type Hydrogen and Steam Sensors. Electrochemistry, 2001, 69, 536-541. | 1.4 | 2 |
| 21 | Hydrogen and Oxygen Chemical Potential Dependence of Electrical Conductivity of SrCe<sub>0.95</sub>Yb<sub>0.05</sub>O<sub>3-x</sub>. Advanced Materials Research, 2006, 11-12, 125-128. | 0.3 | 1 |