

Kuniyasu Ogawa

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

64
citations

1684188

5
h-index

1720034

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20
all docs

20
docs citations

20
times ranked

57
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Numerical analysis of O ₂ concentration, gas-zeolite temperatures in two zeolite columns for an oxygen concentrator. International Journal of Heat and Mass Transfer, 2019, 129, 238-254. | 4.8 | 12 |
| 2 | MRI visualization of shiitake mycelium growing in woodchip blocks used for shiitake mushroom cultivation. Magnetic Resonance Imaging, 2019, 58, 90-96. | 1.8 | 10 |
| 3 | Development of an eight-channel NMR system using RF detection coils for measuring spatial distributions of current density and water content in the PEM of a PEFC. Journal of Magnetic Resonance, 2013, 234, 147-153. | 2.1 | 7 |
| 4 | Two-dimensional spatial distributions of the water content of the membrane electrode assembly and the electric current generated in a polymer electrolyte fuel cell measured by 49 nuclear magnetic resonance surface coils: Dependence on gas flow rate and relative humidity of supplied gases. Journal of Power Sources, 2019, 444, 227254. | 7.8 | 7 |
| 5 | MRI visualization of shiitake mycelium growing in logs in order to support shiitake mushroom log cultivation. Cellulose, 2020, 27, 9605-9621. | 4.9 | 7 |
| 6 | NMR measurement system including two synchronized ring buffers, with 128 rf coils for <i>in situ</i> water monitoring in a polymer electrolyte fuel cell. Review of Scientific Instruments, 2017, 88, 014701. | 1.3 | 5 |
| 7 | Development of a Measurement Technique for Current-Density in PEFC Using Planar Surface Coil as a NMR Signal Detector : 1st Report, One-Dimensional Measurement of Current-Density Generating in PEFC(Thermal Engineering). 880-02 Nihon Kikai Gakkai Ronbunshu Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2009, 75, 839-846. | 0.2 | 4 |
| 8 | Enhanced water uptake in the longitudinal direction by shiitake mycelium in shiitake cultivation logs: water content distribution in logs measured by magnetic resonance imaging. Wood Science and Technology, 2022, 56, 25-62. | 3.2 | 3 |
| 9 | Current-Distribution Measurement in Polymer Electrolyte Water Electrolysis Equipment and Polymer Electrolyte Fuel Cell Using NMR Sensor. Journal of Thermal Science and Technology, 2009, 4, 462-468. | 1.1 | 2 |
| 10 | Measurement Depth of Planar Surface Coil and Adjustment of Excitation Angle at the NMR Measurement(Thermal Engineering). 880-02 Nihon Kikai Gakkai Ronbunshu Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2009, 75, 1862-1869. | 0.2 | 2 |
| 11 | Local Water-content Measurement of Polymer Electrolyte Membrane for Fuel Cell Applications Using Planar Surface Coil as a NMR Signal Detector. 880-02 Nihon Kikai Gakkai Ronbunshu Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2006, 72, 1013-1020. | 0.2 | 1 |
| 12 | The apparent counter diffusion coefficient of water absorbing on zeolite particles in the case of the water moving through macro-size pores in a column packed with zeolite particles. Chemical Engineering Journal, 2016, 306, 889-896. | 12.7 | 1 |
| 13 | MRI measurement of a small amount of water which passes a zeolite packed column before a breakthrough. Transactions of the JSME (in Japanese), 2016, 82, 16-00268-16-00268. | 0.2 | 1 |
| 14 | Two dimensional distribution measurement of electric current generated in a polymer electrolyte fuel cell using 49 NMR surface coils. Magnetic Resonance Imaging, 2018, 51, 163-172. | 1.8 | 1 |
| 15 | Enhanced water uptake in the longitudinal direction by shiitake mycelium in shiitake cultivation logs: increase in effective diffusion coefficient based on mass of liquid water uptake. Wood Science and Technology, 2021, 55, 1237-1267. | 3.2 | 1 |
| 16 | Development of MRI-monitoring Method to Obtain the Map of Gas-storage Ratio in Gas-hydrate Mash and MRI Observation of Time-evolution Maps of Gas-storage Ratio in Hydrate Formation Process. 880-02 Nihon Kikai Gakkai Ronbunshu Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2004, 70, 3204-3211. | 0.2 | 0 |
| 17 | Measurement of Methanol Diffusion Coefficient in Polymer Electrode Membrane by Small NMR Sensor : 1st Report, Development of Method to Measure Methanol Diffusion Coefficient and Evaluation of Measured Results(Thermal Engineering). 880-02 Nihon Kikai Gakkai Ronbunshu Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2010, 76, 878-887. | 0.2 | 0 |
| 18 | Improvement of Signal Intensity Using a Racetrack Shaped Coil on NMR Measurement(Thermal) Tj ETQqO O O rgBT /Overlock 10 Tf 50 67. Engineers Series B B-hen, 2010, 76, 1232-1239. | 0.2 | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Development of a Measurement Technique for Current-Density in PEFC Using Planar Surface Coil as a NMR Signal Detector : 2nd Report, One-Dimensional Measurement of Current-Density Generating in PEFC at Case of Current Flowing in Lamination Direction(Thermal Engineering). 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2010, 76, 2010-2017 | 0.2 | 0 |
| 20 | Development of a measurement technique for current-density in PEFC using planar surface coil as a NMR signal detector (Third report: Inversion analysis of current-density distribution generating in) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 80, TEP0093-TEP0093. | 0.2 | 0 |