

No.	Description
20	Yayama, T., Ishimoto, T. and Koyama, M. (2016) Theoretical investigation of hydrogen absorption properties of rhodium-silver alloys, <i>Journal of Alloys and Compounds</i> , 662, 404-408. DOI: 10.1016/j.jallcom.2015.12.008
19	Kikuchi, Y., Kanematsu, Y., Sato, R. and Nakagaki, T. (2016) Distributed Cogeneration of Power and Heat within an Energy Management Strategy for Mitigating Fossil Fuel Consumption, <i>Journal of Industrial Ecology</i> , 20 (2), 289-303. DOI: 10.1111/jiec.12374
18	Liu, S.S., Takayama, A., Matsumura, S. and Koyama, M. (2016) Image contrast enhancement of Ni/YSZ anode during the slice-and-view process in FIB-SEM, <i>Journal of Microscopy</i> , 261 (3), 326-332. DOI: 10.1111/jmi.12355
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16	Chen, K., Liu, S.-S., Ai, N., Koyama, M. and Jiang, S.P. (2015) Why solid oxide cells can be reversibly operated in solid oxide electrolysis cell and fuel cell modes?, <i>Physical Chemistry Chemical Physics</i> , 17 (46), 31308-31308. DOI: 10.1039/c5cp05065k
15	Lin, C.-t., Ishimoto, T. and Koyama, M. (2015) Theoretical Analysis of Cation Diffusion Pathway in SOFC Electrolyte, <i>Journal of Computer Chemistry, Japan</i> , 14 (3), 92-93. DOI: 10.2477/jccj.2015-0043
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13	Kikuchi, Y., Kanematsu, Y., Ugo, M., Hamada, Y. and Okubo, T. (2016) Industrial Symbiosis Centered on a Regional Cogeneration Power Plant Utilizing Available Local Resources: A Case Study of Tanegashima, <i>Journal of Industrial Ecology</i> , 20 (2), 276-288. DOI: 10.1111/jiec.12347
12	Ishimoto, T., Ito, Y., Tada, T., Oike, R., Nakamura, T., Amezawa, K., Koyama, M. (2016) Theoretical study on temperature effect of electronic structure and spin state in LaCoO <sub>3</sub> by using density functional theory, <i>Solid State Ionics</i> , 285, 195-201. DOI: 10.1016/j.ssi.2015.08.017
11	Ishimoto, T., Inadomi, Y., honda, H. and Koyama, M. (2015) Parallel Performance Analysis for Electronic Structure Calculation of Metal Nanoparticles, <i>Journal of Computer Chemistry, Japan</i> , 14 (3), 52-53. DOI: 10.2477/jccj.2015-0040
10	Yayama, T., Ishimoto, T. and Koyama, M. (2015) Effect of alloying elements on hydrogen absorption properties of palladium-based solid solution alloys, <i>Journal of Alloys and Compounds</i> , 653, 444-452. DOI: 10.1016/j.jallcom.2015.09.038
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4	Liu, S.-S., Jiao, Z., Shikazono, N., Matsumura, S. and Koyama, M. (2015) Observation of the Ni/YSZ interface in a conventional SOFC, <i>Journal of the Electrochemical Society</i> , 162 (7), F750-F754. DOI: 10.1149/2.0591507jes
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1	Liu, S., Ishimoto, T. and Koyama, M. (2015) First-principles study of oxygen coverage effect on hydrogen oxidation on Ni(1 1 1) surface, <i>Applied Surface Science</i> , 333, 86-91. DOI: 10.1016/j.apsusc.2015.01.238