

No.	Description
31	Watari, R., Nishihara, M., Tajiri, H., Otsuka, H. and Takahara, A. (2013) Preparation of novel polyimide hybrid materials by multi-layered charge-transfer complex formation, <i>Polymer Journal</i> , 45, 839-844. DOI: 10.1038/pj.2012.222
30	Frison, R., Heiroth, S., Rupp, J.L.M., Conder, K., Barthazy, E.J., Müller, E., Horisberger, M., Döbeli, M. and Gauckler, L.J. (2013) Crystallization of 8 mol% yttria-stabilized zirconia thin-films deposited by RF-sputtering, <i>Solid State Ionics</i> , 232, 29-36. DOI: 10.1016/j.ssi.2012.11.014
29	Scherrer, B., Schlupp, M.V.F., Stender, D., Martynczuk, J., Grolig, J.G., Ma, H., Kocher, P., Lippert, T., Prestat, M. and Gauckler, L.J. (2013) On Proton Conductivity in Porous and Dense Yttria Stabilized Zirconia at Low Temperature, <i>Advanced Functional Materials</i> , 23 (15), 1957-1964. DOI: 10.1002/adfm.201202020
28	Chen, D., Bishop, S.R. and Tuller, H.L. (2013) Non-stoichiometry in Oxide Thin Films: A Chemical Capacitance Study of the Praseodymium-Cerium Oxide System, <i>Advanced Functional Materials</i> , 23 (7), 2168-2174. DOI: 10.1002/adfm.201202104
27	Hamasaki, Y., Nakashima, N. and Niidome, Y. (2013) Effects of anions on electrochemical reactions of silver shells on gold nanorods, <i>Journal of Physical Chemistry C</i> , 117 (6), 2521-2530. DOI: 10.1021/jp306469s
26	Hirana, Y., Niidome, Y. and Nakashima, N. (2012) Effect of charge of a matrix polymer on the electronic states of single-walled carbon nanotubes, <i>Bulletin of the Chemical Society of Japan</i> , 85 (12), 1262-1267. DOI: 10.1246/bcsj.20120116
25	Kato, Y., Inoue, A., Niidome, Y. and Nakashima, N. (2012) Thermodynamics on Soluble Carbon Nanotubes: How Do DNA Molecules Replace Surfactants on Carbon Nanotubes?, <i>Scientific Reports</i> , 2, 733-. DOI: 10.1038/srep00733
24	Schlupp, M.V.F., Martynczuk, J., Prestat, M. and Gauckler, L.J. (2013) Precursor Decomposition, Microstructure, and Porosity of Yttria Stabilized Zirconia Thin Films Prepared by Aerosol-Assisted Chemical Vapor Deposition, <i>Advanced Energy Materials</i> , 3, 3-. DOI: 10.1002/aenm.201200596
23	Kitahara, T., Nakajima, H. and Inamoto, M. (2012) Hydrophilic and hydrophobic double MPL coated gas diffusion layer to prevent drying-up and flooding of polymer electrolyte fuel cells, <i>Nihon Kikai Gakkai Ronbunshu, B Hen/Transactions of the Japan Society of Mechanical Engineers, Part B</i> , 78 (794). DOI: 10.1299/kikaib.78.1849
22	Noda, Z., Hirata, K., Hayashi, A., Taniguchi, S., Nakazato, N., Seo, A., Yasuda, I., Ariura, S., Shinkai, H. and Sasaki, K. (2012) PEFC-type impurity sensors for hydrogen fuels, <i>INTERNATIONAL JOURNAL OF HYDROGEN ENERGY</i> , 37 (21), 16256-16263. DOI: 10.1016/j.ijhydene.2012.08.062
21	Hamasaki, Y., Nakashima, N. and Niidome, Y. (2012) Electrochemical Deposition of Silver on Gold Electrodes in the Presence of Halogen Ions, <i>CHEMISTRY LETTERS</i> , 41 (9), 962-964. DOI: 10.1246/cl.2012.962
20	Schlupp, M.V.F., Binder, S., Martynczuk, J., Prestat, M. and Gauckler, L.J. (2012) Crack-free yttria

	stabilized zirconia thin films by aerosol assisted chemical vapor deposition: Influence of water and carrier gas, <i>Thin Solid Films</i> , 522, 58-65. DOI: 10.1016/j.tsf.2012.09.042
19	Kuru, Y., Marrocchelli, D., Bishop, S.R., Chen, D., Yildiz, B. and Tuller, H.L. (2012) Anomalous Chemical Expansion Behavior of $\text{Pr}_{0.2}\text{Ce}_{0.8}\text{O}_{2-\delta}$ Thin Films Grown by Pulsed Laser Deposition, <i>Journal of Electrochemical Society</i> , 159 (11), F799-F803. DOI: 10.1149/2.016212jes]
18	Yoshizumi, T., Taniguchi, S., Shiratori, Y. and Sasaki, K. (2012) Sulfur Poisoning of SOFCs: Voltage Oscillation and Ni Oxidation, <i>Journal of Electrochemical Society</i> , 159 (11), F693-F701. DOI: 10.1149/2.032211jes
17	Itoh, T., Hoshikawa, Y., Matsuura, S.-I., Mizuguchi, J., Arafune, H., Hanaoka, T.-A., Mizukami, F., Hayashi, A., Nishihara, H. and Kyotani, T. (2012) Production of l-theanine using glutaminase encapsulated in carbon-coated mesoporous silica with high pH stability, <i>Biochemical Engineering Journal</i> , 68, 207-214. DOI: 10.1016/j.bej.2012.07.012
16	Park, J.S., Hirana, Y., Mouri, S., Miyauchi, Y., Nakashima, N. and Matsuda, K. (2012) Observation of Negative and Positive Trions in the Electrochemically Carrier-doped Single-walled Carbon Nanotubes, <i>JOURNAL OF THE AMERICAN CHEMICAL SOCIETY</i> , 134 (35), 14461-14466. DOI: 10.1021/ja304282j
15	Fujigaya, T., Kim, C., Matsumoto, K. and Nakashima, N. (2013) Effective Anchoring of Pt-Nanoparticles onto Sulfonated Polyelectrolyte-Wrapped Carbon Nanotubes for Use as a Fuel Cell Electrocatalyst, <i>POLYMER JOURNAL</i> , 45, 326-330. DOI: 10.1038/pj.2012.145
14	Bishop, S.R., Stefanik, T.S. and Tuller, H.L. (2012) Defects and transport in $\text{Pr}_x\text{Ce}_{1-x}\text{O}_{2-\delta}$ : Composition trends, <i>Journal of Materials Research</i> , 27 (15), 2009-2016. DOI: 10.1557/jmr.2012.130
13	Akazaki, K., Toshimitsu, F., Ozawa, H., Fujigaya, T. and Nakashima, N. (2012) Recognition and One-pot Extraction of Right- and Left-handed Semiconducting Single-Walled Carbon Nanotube Enantiomers Using Fluorene-Binaphthol Chiral Copolymers, <i>JOURNAL OF THE AMERICAN CHEMICAL SOCIETY</i> , 134 (30), 12700-12707. DOI: 10.1021/ja304244g
12	Liu, Q., Fujigaya, T. and Nakashima, N. (2012) Graphene Unrolled from 'Cup-Stacked' Carbon Nanotubes, <i>CARBON</i> , 50, 5421-5428. DOI: 10.1016/j.carbon.2012.07.028
11	Liu, C., Noda, Z., Sasaki, K. and Hayashi, K. (2012) Development of a polyaniline nanofiber-based carbon monoxide sensor for hydrogen fuel cell application, <i>INTERNATIONAL JOURNAL OF HYDROGEN ENERGY</i> , 37 (18), 13529-13535. DOI: 10.1016/j.ijhydene.2012.06.096
10	Kim, J.J., Kuhn, M., Bishop, S.R. and Tuller, H.L. (2013) Cathodic and defect properties of $\text{Ba}_x\text{Sr}_{1-x}\text{Ti}_{1-y}\text{Fe}_y\text{O}_{3-y/2+\delta}$ mixed conducting oxides, <i>Solid State Ionics</i> , 230, 2-6. DOI: 10.1016/j.ssi.2012.06.023
9	Masuda, Y., Kugimiya, S.-I., Murai, K., Hayashi, A. and Kato, K. (2013) Enhancement of activity and stability of the formaldehyde dehydrogenase by immobilizing onto phenyl-functionalized mesoporous silica, <i>Colloids and Surfaces B: Biointerfaces</i> , 101 (1), 26-33. DOI: 10.1016/j.colsurfb.2012.05.037

8	Marrocchelli, D., Bishop, S.R., Tuller, H.L., Watson, G.W. and Yildiz, B. (2012) Charge localization increases chemical expansion in cerium-based oxides, PHYSICAL CHEMISTRY CHEMICAL PHYSICS, 14 (35), 12070-12074. DOI: 10.1039/c2cp40754j
7	Fukumaru, T., Fujigaya, T. and Nakashima, N. (2012) Extremely High Thermal Resistive Poly(p-phenylene benzobisoxazole) with Desired Shape and Form from a Newly Synthesized Soluble Precursor, MACROMOLECULES, 45 (10), 4247-4253. DOI: 10.1021/ma3006526
6	Kim, J.J., Bishop, S.R., Thompson, N., Kuru, Y. and Tuller, H.L. (2012) Optically derived energy band gap states of Pr in ceria, Solid State Ionics, 225, 198-200. DOI: 10.1016/j.ssi.2012.03.047
5	Tsuru, Y., Nakashima, N. and Niidome, Y. (2012) Optical properties of Au-Ag core-shell nanorods on glass and ITO substrates, OPTICS COMMUNICATIONS, 285 (16, SI), 3419-3422. DOI: 10.1016/j.optcom.2012.02.103
4	Cortie, M.B., Liu, F., Arnold, M.D. and Niidome, Y. (2012) Multimode Resonances in Silver Nanocuboids, LANGMUIR, 28 (24), 9103-9112. DOI: 10.1021/la300407u
3	Marrocchelli, D., Bishop, S.R., Tuller, H.L. and Yildiz, B. (2012) Understanding Chemical Expansion in Non-Stoichiometric Oxides: Ceria and Zirconia Case Studies, Advanced Functional Materials, 22 (9), 1958-1965. DOI: 10.1002/adfm.201102648
2	Quang-Tuyen, T., Shiratori, Y. and Sasaki, K. (2013) Feasibility of palm-biodiesel fuel for a direct internal reforming solid oxide fuel cell, INTERNATIONAL JOURNAL OF ENERGY RESEARCH, 45 (3), 307-312. DOI: 10.1002/er.2883
1	Chen, D., Bishop, S.R. and Tuller, H.L. (2012) Praseodymium-cerium oxide thin film cathodes: Study of oxygen reduction reaction kinetics, Journal of Electroceramics, 28 (1), 62-69. DOI: 10.1007/s10832-011-9678-z