

New functional glasses

Gas permeable glasses

386	<p>Copper reduction and hydroxyl formation by hydrogen process in alumino-silicate glasses K. Guilherme, T. Hayakawa, and M. Nogami, J. Phys. Chem. Solids, 72, 151~157 (2011).</p>
381	<p>Hydrogen Gas Permeation Through Al₂O₃-SiO₂ Glasses Containing Metal Ions M. Nogami, H. Shiiba, G. A. Kleine, M. Nakayama, and T. Hayakawa J. Am. Ceram. Soc. 93, 3752~3756 (2010).</p>
366	<p>Hydrogen Gas Reaction with Eu³⁺-Doped Al₂O₃-SiO₂ Glasses M. Nogami, K. Watanabe, Y. Ito, H. Ito and H. Nakano J. Am. Ceram. Soc. 93, 1663~1667 (2010).</p>

Halide glasses

26	<p>Stabilizing effect of the third components on ZnBr₂-KBr-KBr₂ glasses K. Kadono, A. Yasuyoshi, T. Tarumi, H. Tanaka, H. Nakamichi, M. Nogami Mat. Res. Bull., 23, 785~792 (1988).</p>
25	<p>Glass formation in the system ZnBr₂-KBr-MB₁₂ K. Kadono, M. Nogami J. Non-cryst. Solids, 95, 473~478 (1987).</p>
18	<p>Preparation of glasses in the ZnBr₂-PbBr₂-TlBr system M. Nogami, N. Sawanobori, J. Hayakawa, M. Makihara J. Mater. Sci. Letter, 8, 271~272 (1985).</p>

Hollow glasses

13	<p>Fabrication of hollow glass microspheres in the Na₂O-B₂O₃-SiO₂ system from metal alkoxides M. Nogami, Y. Moriya, J. Hayakawa J. Mater. Sci., 17, 2845~2649 (1983).</p>
8	<p>レーザー核融合研究用中空ガラス微小球の製作 野上正行・守屋喜郎 レーザー研究, 8, 793~797 (1980).</p>
7	<p>金属アルコレートからのレーザー核融合ターゲット用中空ガラス微小球の製造 野上正行・守屋喜郎・早川惇二・小見山享 窯業協会誌, 88, 712~718 (1980).</p>