

Sol-Gel Process

Organic-Inorganic Hybrids

323	<p>Facile One-Step Synthesis of Highly Ordered Bimodal Mesoporous Phosphosilicate Monoliths L. Xiong, J. Shi, L. Zhang and M. Nogami <i>J. Am. Chem. Soc.</i> 129, 11878~11879 (2007).</p>
321	<p>Synthesis and Proton Conductivity of Large-Sized Crack-Free Mesostructured Phosphorus-Oxide-Doped Silica Monoliths L. Xiong, Y. Yang, J. Shi, and M. Nogami <i>Microporous and Mesoporous Mater.</i> 107, 349~353 (2007).</p>
270	<p>Preparation of Silica-pillared Fluorohectorite by Cointercalation of Polysiloxane and Polyvinyl Alcohol T. Nakao and M. Nogami <i>J. Ceram. Soc. Japan</i>, 113, 778~83 (2005).</p>
268	<p>Influence of polyvinyl alcohol on the synthesis of silica-pillared clay T. Nakao and M. Nogami <i>Mater. Chem. Phys.</i> 94, 360~4 (2005).</p>
265	<p>Preparation of silica-pillared clays with micro- and meso-pores using aminopropyltriethoxysilane and tetraethoxysilane T. Nakao and M. Nogami <i>Materials Letters</i>, 59, 3221~3225 (2005).</p>
256	<p>Effect of polyvinyl alcohol on the synthesis of silica-pillared clay by using 3-aminopropyltri-ethoxysilane T. Nakao and M. Nogami <i>J. Ceram. Soc. Japan</i>, 113, 435~8 (2005).</p>
173	<p>Layer by layer self-assembly of thin films of metal hexacyanoferrate multilayers S. Bharathi, M. Nogami and S. Ikeda <i>Langmuir</i>, 17, 7468~7471 (2001).</p>
170	<p>A glucose biosensor based on electrodeposited biocomposites of gold nanoparticles and glucose oxidase enzyme S. Bharathi and M. Nogami <i>The Analyst</i>, 126, 1919~1922 (2001).</p>
156	<p>Electrochemical organization of gold nanoclusters in three dimensions as thin films from an aminosilicate-stabilized gold sol and their characterization S. Bharathi, M. Nogami, and O. Lev <i>Langmuir</i>, 17, 2602~2609 (2001).</p>
138	<p>Copper phthalocyanine bonding with gel and their optical properties H. Xia and M. Nogami <i>Optical Materials</i>, 15, 93~98 (2000).</p>
119	<p>Solid type silicon-phthalocyanine-conjugated hybrids with strong optical limiting effect H. Xia, M. Nogami, T. Hayakawa, and D. Imaizumi <i>J. Mater. Sci. Lett.</i> 18, 1837~1839 (1999).</p>
110	<p>Lead phthalocyanine incorporated in sol and gel H. Xia and M. Nogami <i>J. Mater. Sci.</i> 34 3053~3055 (1999).</p>

66	<p>Photochromism of spiropyran and diarylethenedoped silica gels prepared by the sol-gel process M. Nogami and Y. Abe J. Mater. Sci., 30, 5789~5792 (1995).</p>
48	<p>Photochromism of spiropyran doped in Al₂O₃-SiO₂ gels prepared by the sol-gel process M.Nogami, T.Sugiura J. Mater. Sci. Lett., 12, 1544~1546 (1993).</p>
42	<p>ゾル・ゲル法によるプラスチックへの無機薄膜コーティング 田中義身・近藤康雄・野上正行・小川健作 色材, 65, 676~683 (1992).</p>