

Nano-particle-doped glasses

277	<p>Controlled surface-plasmon coupling in SiO₂-coated gold nanochains for tunable nonlinear optical properties. Y. Yang, M. Nogami, J. Shi, H. Chen, G. Ma and S. Tang Appl. Phys. Lett. 88, 081110/1~081110/3 (2006).</p>
266	<p>Ultrafast electron dynamics and enhanced optical nonlinearities of CdS-capped Au/BaTiO₃ composite film Y. Yang, M. Nogami, J. Shi, C. Jianlin, H. Chen, Y. Liu, and S. Qian J. Appl. Phys. 98, 033528/1~033528/5 (2005).</p>
253	<p>Self-assembled 3-dimensional arrays of Au@SiO₂ core-shell nanoparticles for enhanced optical nonlinearities Y. Yang, M. Hori, T. Hayakawa, and M. Nogami Surface Sci. 579, 215~24 (2005).</p>
252	<p>Enhancement of third-order optical nonlinearities in 3-dimensional films of dielectric shell capped Au composite nanoparticles Y. Yang, M. Nogami, J. Shi, H. Chen, G. Ma, and S. Tang J. Phys. Chem. B, 109, 4865~71 (2005).</p>
251	<p>Template guided self-assembling 2-dimensional array of Au@SiO₂ core-shell nanoparticles for room-temperature single electron transistors Y. Yang and M. Nogami J. Nanosci. Nanotech., 5, 179~83 (2005).</p>
249	<p>Room temperature single electron transistor with two-dimensional array of Au-SiO₂ core-shell nanoparticles Y. Yang and M. Nogami Sci. Tech. Adv. Mater. 6, 71~75 (2005).</p>
234	<p>Second harmonic generation from coupled surface-plasmon resonances in self-assembled gold-nanoparticle monolayers coated with an aminosilane T. Hayakawa, Y. Usui, S. Bharathi, and M. Nogami Adv. Mater. 16, 1408~1412 (2004).</p>
227	<p>Self-assembling of gold nanoparticles coated with silica layer and their electric properties M. Hori, Y. Usui, T. Hayakawa and M. Nogami J.Ceram.Soc.Japan Suppl. 112, S214~S216 (2004).</p>
225	<p>Observation of resonant energy transfer in Au:CdS nanocomposite G. H. Ma, J. He, K. Rajiv, S. H. Tang, Y. Yang, and M. Nogami Appl. Phys. Lett., 84, 4684~4686 (2004).</p>
213	<p>Self-assembled semiconductor capped metal composite nanoparticles embedded in BaTiO₃ thin films for nonlinear optical applications Y. Yang, M. Nogami, J. Sha, H. Chen, Y. Liu, and S. Qian J. Mater. Chem., 13, 3026~3032 (2003).</p>
191	<p>Sol-gel derived gold nanoclusters in silica glass possessing large optical nonlinearities S. Tamil-Selvan, T. Hayakawa, M. Nogami, Y. Kobayashi, L. M. Liz-Marzan, Y. Hamanaka, and A. Nakamura, J. Phys. Chem. B, 106, 10157~10162 (2002).</p>
170	<p>A glucose biosensor based on electrodeposited biocomposites of gold nanoparticles and glucose oxidase enzyme S. Bharathi and M. Nogami The Analyst, 126, 1919~1922 (2001).</p>

167	<p>Enhanced fluorescence from Eu³⁺-doped silica gels by adsorbed CdS nanoparticles S. T. Selvan, T. Hayakawa and M. Nogami J. Non-cryst. Solids, 291, 137~141 (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 Langmuir, 17, 2602~2609 (2001).</p>
150	<p>Novel electrochemical interfaces with a tunable kinetic barrier by self-assembling organically modified silica gel and gold nanoparticles S. Bharathi, M. Nogami, and S. Ikeda Langmuir, 17, 1~4 (2001).</p>
137	<p>Influence of adsorbed CdS nanoparticles on ⁵D₀→⁷F_j emissions in Eu³⁺-doped silica gel T. Hayakawa, S. Tamil Selvan and M. Nogami J. Lumin., 87/89. 532~534 (2000).</p>
117	<p>A facile sol-gel method for the encapsulation of gold nanoclusters in silica gels and their optical properties S. Tamil Selvan, M. Nogami, A Nakamura and Y. Hamanaka J. Non-cryst. Solids, 255, 254~258 (1999).</p>
116	<p>Block copolymer mediated synthesis of gold quantum dots and novel gold-polypyrrole nanocomposites S. Tamil Selvan, T. Hayakawa, M. Nogami, and M. Moeler J. Phys. Chem. B, 103 7441-7448 (1999).</p>
115	<p>Remarkable influence of silver islands on the enhancement of fluorescence from Eu³⁺ ion-doped silica gels S. Tamil Selvan, T. Hayakawa, and M. Nogami J. Phys. Chem. B, 103 7064~7067 (1999).</p>
96	<p>Polymer-protected gold clusters in silica glass S. Tamil-Selvan, Y. Ono, M. Nogami Materials Letters, 37, 156~161 (1998).</p>
76	<p>Sol-gel synthesis of Ge nanocrystals-doped glass and its photoluminescence M. Nogami, Y. Abe J. Sol-gel Sci. Tech. 9, 139~143 (1997).</p>
65	<p>Cu microcrystals in sol-gel derived glasses M.Nogami and Y.Abe J. Mater. Res., 10, 2648~2652 (1995).</p>
64	<p>Formation of small-sized CdS_xSe_{1-x} crystals in sol-gel-derived SiO₂ glasses M.Nogami, Y.Abe J. Am. Ceram. Soc. 78, 1066~1070 (1995).</p>
60	<p>Preparation by a sol-gel process of borosilicate glasses containing microcrystals of tellurium and zinc telluride G.Li, M.Nogami, Y.Abe J. Am. Ceram. Soc., 77, 2885~2888 (1994).</p>
59	<p>Sol-gel method for synthesizing visible photoluminescent nanosized Ge-crystal-doped silica glasses M.Nogami, Y.Abe Appl. Phys. Lett., 65, 2545~2547 (1994).</p>
56	<p>Formation of CdS_xSe_{1-x} microcrystals in sol-gel derived glasses M.Nogami, A.Kato J. Sol-gel Sci. Tech., 2, 751~754 (1994).</p>

55	<p>Preparation and optical properties of sol-gel derived ZnSe crystallites doped in glass films G.Li, M.Nogami J. Appl. Phys., 75, 4276~4278 (1994).</p>
52	<p>Emission spectra of microcrystalline CdS doped in sol-gel derived glasses M.Nogami, A.Nakamura Physics and Chemistry of Glasses, 34, 1109~1113 (1993).</p>
51	<p>Formation of quantum-size PbTe microcrystals in sol-gel silica and borosilicate glasses G.Li, M.Nogami J. Sol-gel Sci. Tech. 1, 179~83 (1993).</p>
50	<p>Sol-gel preparation of CdS_xSe_{1-x} solid solution microcrystal-doped glasses M.Nogami, K.Kato, Y.Tanaka J. Mater. Sci., 28, 4129~4133 (1993).</p>
49	<p>Oxidation of cadmium chalcogenide microcrystals doped in silica glasses prepared by the sol-gel process M.Nogami, A.Kato J. Non-cryst. solids, 163, 242~248 (1993).</p>
47	<p>Preparation of g -Fe₂O₃-containing silica glasses by the sol-gel process M.Nogami, Asuha J. Mater. Sci. Lett., 12, 1705~1707 (1993).</p>
46	<p>Sol-gel synthesis of cadmium telluride-microcrystal-doped silica glasses M.Nogami, K.Nagasaka, T.Suzuki J. Am. Ceram. Soc., 75, 220~23 (1992).</p>
45	<p>CdS微結晶ドーパガラスのCdS酸化におよぼすガラス組成の影響 野上正行 材料, 41, 573~77 (1992).</p>
44	<p>ゾルーゲル法で作製したガラスにドーブしたCuCl微結晶 野上正行・遠山佳秀・長坂克巳 日本化学会誌, 1231~36 (1992).</p>
43	<p>Oxidation of quantum-sized CdS crystals doped glasses prepared by the sol-gel process M.Nogami, K.Nagasaka J. Non-cryst. solids, 147&148, 331~334 (1992).</p>
41	<p>Preparation and nonlinear optical properties of quantum-sizes CuCl-doped silica glass by the sol-gel process M.Nogami, Y.Zhu, Y.Tohyama, K.Nagasaka, T.Tokizaki, A.Nakamura J. Am. Ceram. Soc., 74, 238~40 (1991).</p>
39	<p>Preparation and quantum size effect of CuBr microcrystal doped glasses by the sol-gel process M.Nogami, Y.Zhu, K.Nagasaka J. Non-cryst. solids, 134, 71~76 (1991).</p>
38	<p>ゾルーゲル法で作製したCdS微結晶ドーパガラスのCdS結晶生成 野上正行・山田敬子・渡部みちえ・長坂克巳 セラミックス論文誌, 99, 625~629 (1991).</p>
37	<p>Sol-gel processing of small-sized CdSe crystal-doped silica glasses M.Nogami, S.Suzuki, K.Nagasaka, J. Non-cryst. solids, 135, 182~188 (1991).</p>
35	<p>CdS microcrystal-doped silica glass prepared by the sol-gel process M.Nogami, K.Nagasaka, M.Takata J. Non-cryst. Solids, 122, 101~106 (1990).</p>

34	Preparation of small-particle-size, semiconductor CdS-doped silica glasses by the sol-gel process M.Nogami, K.Nagasaka, E.Kato J. Am. Ceram. Soc., 73, 2097~99 (1990).
32	Microcrystalline PbS doped silica glasses prepared by the sol-gel process M.Nogami, K.Nagasaka, K.Kotani J. Non-cryst. solids, 126, 87~92 (1990).