

Nano-particles

Shape-controlled nano-particles (Au, Pt, Ag, Pd, Rd, etc)

390	<p>Highly monodisperse cubic and octahedral rhodium nanocrystals: Their evolutions from sharp polyhedrons into branched nanostructures and surface-enhanced Raman scattering N. V. Long, N. D. Chien, H. Hirata, T. Matsubara, M. Ohtaki, and M. Nogami <i>J. Crystal Growth</i>, 320, 78~89 (2011).</p>
389	<p>Shape-controlled synthesis of Pt–Pd core–shell nanoparticles exhibiting polyhedral morphologies by modified polyol method Nguyen Viet Long, T. Asak, T. Matsubara, and M. Nogami <i>Acta Materialia</i>, 59, 2901~2907 (2011).</p>
384	<p>Chemical synthesis and characterization of palladium nanoparticles V. L. Nguyen, D. C. Nguyen, H. Hirata, M. Ohtaki, T. Hayakawa and M. Nogami <i>Adv. Nat. Sci.: Nanosci. Nanotechnol.</i> 1,035012/~1035012/5 (2010).</p>
380	<p>Aligned gold nanoneedle arrays for surface-enhanced Raman scattering Y. Yang, M. Tanemura, Z. Huang, D. Jiang, Z. Li, Y. Huang, G. Kawamura, K. Yamaguchi, and M. Nogami <i>Nanotechnology</i>, 21, 325701/1~325701/5 (2010).</p>
377	<p>Directed and random self-assembly of Pt–Au nanoparticles V. L. Nguyen, D. C. Nguyen, M. Uchida, T. Matsubara, J. Randy, and M. Nogami <i>Materials Chem. Phys.</i> 124, 1193~1197 (2010).</p>
360	<p>Synthesis of Porous Single-Crystalline Platinum Nanocubes Composed of Nanoparticles M. Nogami, R. Koike, R. Jalem, G. Kawamura, Y. Yang, and Y. Sasaki <i>J. Phys. Chem. Lett.</i> 1, 568~571 (2010).</p>
359	<p>The synthesis and characterization of platinum nanoparticles: a method of controlling the size and morphology V. L. Nguyen, D. C. Nguyen, T. Hayakawa, H. Hirata, G. Lakshminarayana, and M. Nogami <i>Nanotechnology</i>, 21, 035605/1~035605/16 (2010).</p>
352	<p>Application of a conproportionation reaction to a synthesis of shape-controlled gold nanoparticles G. Kawamura and M. Nogami <i>J. Crystal Growth</i> 311 4462–4466 (2009).</p>
349	<p>Process window for the synthesis of Ag wires through polyol process. Y. C. Lu, K. S. Chou, and M. Nogami <i>Mater. Chem. Phys.</i> 116, 1~5 (2009).</p>
345	<p>Shape control synthesis of multi-branched gold nanoparticles G. Kawamura, Y. Yang, K. Fukuda, and M. Nogami <i>Mater. Chem. Phys.</i> 115, 229~234 (2009) .</p>
340	<p>Fabrication of Twin-Linked Gold Nanoparticles and Their Linear/Nonlinear Optical Properties S. Matsubara, T. Hayakawa, Y. Yang, M. Nogami, S. Okamoto, and N. Koshikawa <i>J. Phys. Chem. C</i>, 112, 13917~13921 (2008).</p>
337	<p>End-to-End Assembly of CTAB-Stabilized Gold Nanorods by Citrate Anions G. Kawamura, Y. Yang, and M. Nogami, <i>J. Phys. Chem. C</i>, 112, 10632~10636 (2008).</p>
336	<p>Fabricating Au–Ag core-shell composite films for surface-enhanced Raman scattering Y. Huang, Y. Yang, Z. Chen, X. Li, and M. Nogami <i>J. Mater. Sci.</i> 43, 5390~5393 (2008).</p>

333	<p>Preparation of Au-Ag, Ag-Au core-shell bimetallic nanoparticles for surface-enhanced Raman Scattering Y. Yang, J. Shi, Jianlin, G. Kawamura, and M. Nogami, <i>Scripta Materialia</i> 58, 862~865 (2008).</p>
326	<p>Self-Assembled Silver Nanochains for Surface-Enhanced Raman Scattering Y. Yang, J. Shi, T. Tanaka, and M. Nogami <i>Langmuir</i>, 23, 12042~12047 (2007).</p>
314	<p>Controlling the aggregation behavior of gold nanoparticles Y. Yang, S. Matsubara, M. Nogami, and J. Shi <i>Mater. Sci. Eng. B</i>: 140, 172~176 (2007).</p>
313	<p>Facile assembling of gold nanorods with large aspect ratio and their surface-enhanced Raman scattering properties G. Kawamura, Y. Yang, and M. Nogami <i>Appl. Phys. Lett.</i> 90, 261908-1~3 (2007).</p>
312	<p>Solvothermal Synthesis of Multiple Shapes of Silver Nanoparticles and Their SERS Properties Y. Yang, S. Matsubara, L. Xiong, T. Hayakawa, and M. Nogami <i>J. Phys. Chem. C</i>, 111, 9095~9104 (2007).</p>
308	<p>Preparation of gold nanoparticles (GNP) aqueous suspensions by a new method involving Tiron M. Hori, C. Pagnoux, J. F. Baumard, and M. Nogami <i>J. Mater. Sci.</i> 42, 80~86 (2007).</p>
307	<p>Enhanced photocatalytic activities of core-shell Au-titanate nanoparticles T. Hayakawa, M. Hori, C. Pagnoux, J. F. Baumard, and M. Nogami <i>Chem. Lett.</i> 36, 128~129 (2007).</p>
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292	<p>Ultrafast nonlinear optical response in multilayer silica-capped gold nanoparticle films Y. Yang, M. Nogami, and A. Nakamura <i>Adv. Mater. Res.</i> 11-12, 591~594 (2006).</p>
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282	<p>One-dimensional self-assembly of gold nanoparticles for tunable surface plasmon resonance properties Y. Yang, S. Matsubara, M. Nogami, J. Shi, and W. Huang <i>Nanotechnology</i>, 17, 2821~2827 (2006).</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 <i>J. Phys. Chem. B</i>, 109, 4865~71 (2005).</p>
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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 <i>Appl. Phys. Lett.</i>, 84, 4684~4686 (2004).</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>
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>
97	<p>Novel gold-polypyrrole anisotropic colloids: a TEM investigation S. Tamil-Selvan, M. Nogami J. Mater. Sci. Lett. 17, 1385~1388 (1998).</p>