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高エネルギーイオンビームを用いた機能性融合ナノ材料の形成 (2)

Formation of functional hybrid nano-materials by high energy ion beam

学術論文 (査読あり)

[1] S. Tsukuda, M. Omichi, M. Sugimoto, A. Idesaki, V. S. Padalkar, S. Seki, “Anisotropic Swelling of Hydrogel Nanowires Based on Poly(vinylpyrrolidone) Fabricated by Single Particle Nanofabrication Technique” *J. Polym. Sci. Part B Polym. Phys.*, **54**, 1950-1956 (2016).

[2] S. Tsukuda, K. Okamoto, H. Yamamoto, T. Kozawa, T. Omata, Formation of Au nanoparticle arrays on hydrogel two-dimensional patterns based on poly(vinylpyrrolidone), *Jpn. J. Appl. Phys.*, **56**, 06GG06, (2017)

学術論文 (査読なし)

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博士論文

[1]

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修士論文

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卒業論文

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国際会議

[1] S. Tsukuda, K. Okamoto, H. Yamamoto, T. Kozawa, T. Omata, Formation of Au nanoparticle arrays on hydrogel 2-D patterns based on poly(vinylpyrrolidone), *29th International Microprocesses and Nanotechnology Conference (MNC 2016)*, Japan, Kyoto, 2016.11.8-11.

国内会議

[1] 佃諭志, 関修平, 杉本雅樹, 小俣孝久, ゲルナノワイヤー上での Au ナノ粒子形成と LSPR 制御, 第 6 4 回応用物理学会春季学術講演会, パシフィコ横浜, 2017. 3. 14-17.

招待講演等

[1] S. Tsukuda, M. Sugimoto, S. Seki, Formation of Metal Nanoparticles on Polymer Nanowires Fabricated by Single Particle Nanofabrication Technique, *5th Advanced Functional Materials and Devices (AFMD)*, China, Suzhou, 2016.8.12-14

[2]

解説・記事等

[1] 佃諭志, 杉本雅樹, 高エネルギーイオンビームを利用したナノワイヤー状複合触媒の開発, *放射線と産業*, 141, 16-19 (2016)

新聞発表等

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特許等

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