

誌 上 発 表 Publications

[雑誌]

(原著論文) \*印は査読制度がある論文誌

- Ohshiro T., Zako T., Tamaki-Watanabe R., Tanaka T., and Maeda M.: “A facile method towards cyclic assembly of gold nanoparticles using DNA template alone”, *Chem. Commun.* **46**, 6132–6134 (2010). \*
- Ishikawa A., Oulton R. F., Zentgraf T., and Zhang X.: “Extremely low-loss slow-light modes in plasmonic dielectric hybrid systems”, *Proc. SPIE-Int. Soc. Opt. Eng.* **7757**, 77571B-1–77571B-6 (2010). \*

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- 田中拓男: “2光子多層メモリの進展”, *オプトロニクス* **28**, No. 335, pp. 105–110 (2009).
- 田中拓男: “プラズモニク・メタマテリアル”, *New Glass* **25**, No. 96, pp. 9–11 (2010).

口 頭 発 表 Oral Presentations

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- Tanaka T.: “Towards Three-Dimensional Plasmonic Metamaterials”, International Symposium of Joint Research Network on Advanced Materials and Devices: Chou, (Hokkaido University), Tomakomai, Mar. (2010).
- Tanaka T.: “Two-photon reduction technique for isotropic metamaterials”, 15th European Conference on Integrated Optics and Technical Exhibition (ECIO 2010), (ECIO), Cambridge, UK, Apr. (2010).
- Tanaka T.: “Design and Fabrication of Plasmonic Metamaterials”, 7th International Conference on Optics-photonics Design and Fabrication, (ODG(Optics Design Group of OSJ)), Yokohama, Apr. (2010).
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- Kubo W.: “Au Double Nanopillars with Gap for Ultra-sensitive Plasmonic Sensor”, 17th China-Japan Bilateral Symposium on Intelligent Electrophotonic Materials and

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- Ishikawa A. and Tanaka T.: “Towards three-dimensional isotropic metamaterials”, *Metamaterials 2010*, (Metamaterials 2010), Karlsruhe, Germany, Sept. (2010).
- Tanaka T.: “Plasmon enhanced three-dimensional multi-layer optical disk”, International Symposium on Optical Memory 2010 (ISOM10), (International Symposium on Optical Memory (ISOM)), Hualien, Taiwan, Oct. (2010).
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- (国内会議)
- 田中拓男: “プラズモニク・メタマテリアル”, 第 57 回応用物理学関係連合講演会, ((社)応用物理学会), 平塚, 3月 (2010).
- 武安伸幸, 田中拓男, 河田聡: “高感度光重合開始剤を用いた 2光子重合における造形分解能向上”, 第 57 回応用物理学関係連合講演会, ((社)応用物理学会), 平塚, 3月 (2010).
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- 久保若奈, 藤川茂紀, 田中拓男: “ウェハースケールにおけるギャップアレイ構造の作製とプラズモンセンサーへの展開”, 第 71 回応用物理学会学術講演会, ((社)応用物理学会), 長崎, 9月 (2010).