

***Selected Publications as of March, 2010**

1. Ebine, K., Okatani, Y., Uemura, T., Goh, T., Shoda, K., Niihama, M., Morita, M.T., Spitzer, C., Otegui, M.S., Nakano, A., and Ueda, T.: "A SNARE complex unique to seed plants is required for protein storage vacuole biogenesis and seed development of *Arabidopsis thaliana*," *Plant Cell*, 20, 3006-3021 (2008). [[full text](#)]
2. Tokunaga, M., Imamoto, N., and Sakata-Sogawa, K.: "Highly inclined thin illumination enables clear single-molecule imaging in cells," *Nature Methods*, 5, 159-161 (2008). [[full text](#)]
3. Tahara, K., Takagi, M., Ohsugi, M., Sone, T., Maeshima, K., Horiuchi, Y., Tokai-Nishizumi, N., Nishiumi, F., Imamoto, F., Yamamoto, T., Kose, S., and Imamoto, N.: "Importin β and small GTPase Ran mediates the chromosome loading of human chromokinesin KID," *J. Cell Biol.*, 180, 493-506 (2008). [[full text](#)]
4. Takahashi, M., Murate, M., Fukuda, M., Sato, S. B., Ohta, A., and Kobayashi, T.: "Cholesterol controls lipid endocytosis through rab11," *Mol. Biol. Cell*, 18, 2667-2677 (2007). [[full text](#)]
5. Iwamoto, K., Hayakawa, T., Murate, M., Makino, A., Ito, K., Fujisawa, T., and Kobayashi, T.: "Curvature-dependent recognition of ethanolamine phospholipids by duramycin and cinnamycin," *Biophys. J.*, 93, 1608-1619 (2007). [[full text](#)]
6. Hayakawa, T., Makino, A., Murate, M., Sugimoto, I., Hashimoto, Y., Takahashi, H., Ito, K., Fujisawa, T., Matsuo, H., and Kobayashi, T.: "pH-dependent formation of membrane cytoplasmic body-like structure of ganglioside GM1/bis(monoacylglycerol)phosphate mixed membranes," *Biophys. J.*, 92, L13-16 (2007). [[full text](#)]
7. Maeshima, K., Yahata, K., Sasaki, Y., Nakatomi, R., Tachibana, T., Hashikawa, T., Imamoto, F., and Imamoto, N.: "Cell cycle-dependent dynamics of nuclear pores: pore-free islands and lamins," *J. Cell Sci.*, 119, 4442-4451 (2006). [[full text](#)]
8. Matsuura-Tokita, K., Takeuchi, M., Ichihara, A., Mikuriya, K., and Nakano, A.: "Live imaging of yeast Golgi cisternal maturation," *Nature* 441, 1007-1010 (2006). [[full text](#)]
9. Kose, S., Furuta, M., Koike, M., Yoneda, Y., and Imamoto, N.: "The 70-kD heat-shock cognate protein (hsc70) facilitates the nuclear export of the import receptors," *J. Cell Biol.*, 171, 19-25 (2005). [[full text](#)]
10. Sato, K. and Nakano, A.: "Dissection of COPII subunit-cargo assembly and disassembly kinetics during Sar1p-GTP hydrolysis," *Nat. Struct. Mol. Biol.*, 12, 167-174 (2005). [[full text](#)]

List of publications (Apr. 2005 – Mar. 2011)

1. K. Ebine, M. Fujimoto, Y. Okatani, T. Nishiyama, T. Goh, E. Ito, T. Dainobu, A. Nishitani, T. Uemura, M. H. Sato, H. Thordal-Christensen, N. Tsutsumi, A. Nakano, and T. Ueda. A membrane trafficking pathway regulated by the plant-unique RAB GTPase ARA6. *Nat. Cell Biol.* in press.
2. H. Kurahashi, C.-G. Park, S. Shibata, K. Oishi, Y. Sako, and Y. Nakamura: "[PSI⁺] aggregate enlargement in *mq1* non-prion domain mutants, leading to a loss-of-prion yeast", *Genes to Cells*. in press.
3. Y. Hamamura, C. Saito, C. Awai, D. Kurihara, A. Miyawaki, T. Nakagawa, M. M Kanaoka, N. Sasaki, A. Nakano, F. Berger, and T. Higashiyama. Live cell imaging reveals the dynamics of two sperm cells during double fertilization in *Arabidopsis thaliana*. *Curr. Biol.* 21:497-502 (2011).
4. C. Koder, T. Yorimitsu, A. Nakano, K. Sato. Sed4p stimulates Sar1p GTP hydrolysis and promotes limited coat disassembly. *Traffic* 12:591-599 (2011).
5. T. Funakoshi, M. Clever, A. Watanabe, N. Imamoto: "Localization of Pom121 to the inner nuclear membrane is required for an early step of interphase nuclear pore complex assembly." *Mol. Biol. Cell*, 22, 1058-1069 (2011).
6. Y. Maeda, M. Yumoto, N. Saito, T. Ogawa, M. Maeda, and S. WADA: "Generation of stable Picosecond pulses from an Electronically wavelength-tuned laser for material processing", *J.Laser Micro/Nano*

- Engineering 6, 20 (2011)
7. S. Naramoto, J. Kleine-Vehn, S. Robert, M. Fujimoto, T. Dainobu, T. Paciorek, T. Ueda, A. Nakano, M. C. E. Van Montagua, H. Fukuda, and J. Friml. ADP-ribosylation factor machinery mediates endocytosis in plant cells. *Proc. Natl. Acad. Sci. U. S. A.* **107**:21890-21895 (2010).
 8. T. Uemura, M. T. Morita, K. Ebine, Y. Okatani, D. Yano, C. Saito, T. Ueda, and A. Nakano. Vacuolar/pre-vacuolar compartment Qa-SNAREs VAM3/SYP22 and PEP12/SYP21 have interchangeable functions in *Arabidopsis*. *Plant J.* **64**:864-873 (2010).
 9. T. Uejima, K. Ihara, T. Goh, E. Ito, M. Sunada, T. Ueda, A. Nakano, and S. Wakatsuki. GDP-bound and nucleotide-free intermediates of the guanine nucleotide exchange in the Rab5/Vps9 system. *J. Biol. Chem.* **285**:36689-36697 (2010).
 10. W. D. Swingley, M. Iwai, Y. Chen, S. Ozawa, K. Takizawa, Y. Takahashi, J. Minagawa: "Characterization of photosystem I antenna proteins in the prasinophyte *Ostreococcus tauri*", *Biochim. Biophys. Acta* 1797, 1458 (2010).
 11. K. Maeshima, H. Iino, S. Hihara, T. Funakoshi, A. Watanabe, M. Nishimura, R. Nakatomi, K. Yahata, F. Imamoto, T. Hashikawa, H. Yokota, N. Imamoto: "Nuclear pore formation but not nuclear growth is governed by cyclin-dependent kinases (Cdks) during interphase". *Nat Struct Mol Biol.* **17**, 1065-1071 (2010).
 12. H. Iino H, K. Maeshima, R. Nakatomi, S. Kose, T. Hashikawa, T. Tachibana, N. Imamoto: "Live imaging system for visualizing nuclear pore complex (NPC) formation during interphase in mammalian cells. *Genes Cells.*" **15**, 647-660 (2010).
 13. T. Aoki, M. Hirano, Y. Takeuchi, T. Kobayashi, T. Yanagida and T. Ide: "Single channel properties of lysenin measured in artificial lipid bilayers and their applications to biomolecule detection", *Proc. Jpn. Acad. Ser. B Phys. Biol. Sci.* **86**, 920 (2010).
 14. I. I. Rzeźnicka, M. Sovago, E. H. Backus, M. Bonn, T. Yamada, T. Kobayashi and M. Kawai M: "Duramycin-induced destabilization of a phosphatidylethanolamine monolayer at the air-water interface observed by vibrational sum-frequency generation spectroscopy", *Langmuir* **26**, 16055 (2010).
 15. M. Murate, T. Hayakawa, K. Ishii, H. Inadome, P. Greimel, Y. Watanabe, Y. Nagatsuka, K. Ito, Y. Ito, H. Takahashi, Y. Hirabayashi and T. Kobayashi: "Phosphatidylglucoside forms specific lipid domains on the outer leaflet of the plasma membrane", *Biochemistry* **49**, 4732 (2010).
 16. S. Nishimura, Y. Arita, M. Honda, K. Iwamoto, A. Matsuyama, A. Shirai, H. Kawasaki, H. Kakeya, T. Kobayashi, S. Matsunaga, and M. Yoshida: "Marine antifungal theonellamides target β 3-hydroxysterol to activate Rho1 signaling," *Nat. Chem. Biol.*, **6**, 519-526 (2010).
 17. H. Iino, K. Maeshima, R. Nakatomi, S. Kose, T. Hashikawa, T. Tachibana, and N. Imamoto: "Live imaging system for visualizing nuclear pore complex (NPC) formation during interphase in mammalian cells", *Genes Cells*, **15**(6):647-60 (2010).
 18. M. Iwai, K. Takizawa, R. Tokutsu, A. Okamuro, Y. Takahashi and J. Minagawa: "Isolation of the elusive supercomplex that drives cyclic electron flow in photosynthesis", *Nature* **464**, 1210 (2010).
 19. Y. Maeda, M. Yumoto, N. Saito, T. Ogawa, Kazuo, Kurokawa, A. Nakano, M. Yamashita, and S. Wada: "Broadly Tunable UV-Blue Picosecond Pulsed Laser and its Application for Biological Imaging," *Opt. Rev.*, **17**:305-308 (2010).
 20. T. Komatsu, H. Kawaide, C. Saito, A. Yamagami, S. Shimada, M. Nakazawa, M. Matsui, A. Nakano, M. Tsujimoto, M. Natsume, H. Abe, T. Asami, and T. Nakano: "The chloroplast protein BPG2 functions in brassinosteroid-mediated posttranscriptional accumulation of chloroplast rRNA," *Plant J.*, **61**(3), 409-422 (2010).
 21. Y. Hashiguchi, M. Niihama, T. Takahashi, C. Saito, A. Nakano, M. Tasaka, and M. T. Morita: "Loss-of-function mutations of retromer large subunits suppress the phenotype of *zig* mutant that lacks Qb-SNARE VTI11," *Plant Cell*, **22**, 159-172 (2010).
 22. M. Fujimoto, S. Arimura, T. Ueda, H. Takanashi, Y. Hayashi, A. Nakano, and N. Tsutsumi: "*Arabidopsis* dynamin-related proteins DRP2B and DRP1A participate together in clathrin-coated vesicle formation during endocytosis," *Proc. Natl. Acad. Sci. U. S. A.*, **107**, 6094-6099 (2010).
 23. M. Yamashita, K. Kurokawa, Y. Sato, A. Yamagata, H. Mimura, A. Yoshikawa, K. Sato, A. Nakano, and S. Fukai: "Structural basis for the Rho1- and phosphoinositide-dependent localization of Sec3, a subunit of the exocyst complex," *Nat. Struct. Mol. Biol.*, **17**, 180-186 (2010).
 24. M. Iwai, M. Yokono, N. Inada, and J. Minagawa: "Live-cell imaging of photosystem II antenna dissociation during state transitions," *Proc. Natl. Acad. Sci. U. S. A.*, **107**, 2337-2342 (2010).
 25. M. Yumoto, Y. Maeda, N. Saito, T. Ogawa, M. Yamashita, and S. Wada: "Multi-wavelength spectroscopic application using rapid and random wavelength-tuned mid-infrared light source," *Jpn. J. Appl. Phys.*, **49**, 010209/1-3 (2010)
 26. M. Yumoto, Y. Maeda, N. Saito, T. Ogawa, M. Yamashita, and S. Wada: "Wavelength stabilization on

- dual-wavelength oscillation in electronically tuned Ti:Al₂O₃ laser," *Appl. Phys. Exp.*, 3, 012701/1-3 (2010).
27. R. D. Singh, D. L. Marks, E. L. Holicky, C. L. Wheatley, T. Kaptzan, S. B. Sato, T. Kobayashi, K. Ling, R. E. Pagano: "Gangliosides and β 1-integrin are required for caveolae and membrane domains," *Traffic*, 11, 348-360 (2010).
 28. K. Tamura, A. Makino, F. Hullin-Matsuda, T. Kobayashi, M. Furihata, S. Chung, S. Ashida, T. Miki, T. Fujioka, T. Shuin, Y. Nakamura, and H. Nakagawa: "Novel lipogenic enzyme ELOVL7 is involved in prostate cancer growth through saturated long-chain fatty acid metabolism," *Cancer Res.*, 69, 8133-40 (2010).
 29. A. Mukai, T. Kurisaki, S. B. Sato, T. Kobayashi, G. Kondoh, and N. Hashimoto: "Dynamic clustering and dispersion of lipid rafts contribute to fusion competence of myogenic cells," *Exp. Cell Res.*, 315, 3052-3063 (2010).
 30. K. Sano-Maeda, S. Taso, T. Ueda, R. Yui, K. Itoh, M. Hata, A. Nakano, K. Kita, K. Murakami-Murofushi, and N. Sasaki: "Visualization of mitochondrial and apicoplast nucleoids in the human malaria parasite *Plasmodium falciparum* by SYBR Green I and PicoGreen staining," *Cytologia*, 74:449-455 (2009).
 31. K. V. Tabata, K. Sato, T. Ide, T. Nishizaka, A. Nakano, and H. Noji: "Visualization of cargo concentration by COPII minimal machinery in a planar lipid membrane," *EMBO J.*, 28, 3279-3289 (2009).
 32. A. Kitajima, S. Asatsuma, H. Okada, Y. Hamada, K. Kaneko, Y. Nanjo, Y. Kawagoe, K. Toyooka, K. Matsuoka, M. Takeuchi, A. Nakano and T. Mitsui: "Plastid targeting of α -amylase glycoprotein from the Golgi apparatus through the secretory pathway," *Plant Cell*, 21, 2844-2858 (2009).
 33. K. Hamaji, M. Nagira, K. Yoshida, M. Ohnishi, Y. Oda, T. Uemura, T. Goh, M. H. Sato, M. T. Morita, M. Tasaka, S. Hasezawa, A. Nakano, I. Hara-Nishimura, M. Maeshima, H. Fukaki, and T. Mimura: "Dynamic aspects of ion accumulation by vesicle traffic under salt stress in *Arabidopsis*," *Plant Cell Physiol.*, 50, 2023-2033 (2009).
 34. K. Watanabe, T. Sekine, M. Takagi, J. Iwasaki, N. Imamoto, H. Kawasaki, and H. Osada: "Deficiency in chromosome congression by the inhibition of PLK1 polo box domain-dependent recognition," *J. Biol. Cell*, 284, 2344-2353 (2009).
 35. A. Takemoto, K. Maeshima, T. Ikehara, K. Yamaguchi, A. Murayama, S. Imamura, N. Imamoto, S. Yokoyama, T. Hirano, Y. Watanabe, F. Hanaoka, J. Yanagisawa, and K. Kimura: "The chromosomal association of condensin II is regulated by a non-catalytic action of PP2A." *Nat. Struct. Mol. Biol.*, 16, 1302-1308 (2009).
 36. D. Vanneste, M. Takagi, N. Imamoto, and I. Vernos: "The role of Hklp2 in the stabilization and maintenance of spindle bipolarity," *Curr. Biol.*, 19, 1712-1717 (2009)
 37. H. Kosako, N. Yamaguchi, C. Aranami, M. Ushiyama, S. Kose, N. Imamoto, H. Taniguchi, E. Nishida, and S. Hattori: "Phosphoproteomics reveals new ERK MAP kinase targets and links ERK to nucleoporin-mediated nuclear transport," *Nat. Struct. Mol. Biol.*, 16, 1026-35 (2009).
 38. C. S. Eichinger, T. Mizuno, K. Mizuno, Y. Miyake, K. Yanagi, N. Imamoto, and F. Hanaoka: "Aberrant DNA polymerase alpha is excluded from the nucleus by defective import and degradation in the nucleus," *J. Biol. Chem.*, 284, 30604-14 (2009).
 39. FANTOM Consortium, H. Suzuki, A.R. Forrest, ... N. Imamoto, ... and Y. Hayashizaki: "The transcriptional network that controls growth arrest and differentiation in a human myeloid leukemia cell line," *Nat. Genet.*, 41, 553-562 (2009).
 40. Y. Wang, K. Inoue, H. Kan, T. Ogawa, and S. Wada: "Birefringence compensation of two tandem-set Nd:YAG rods with different thermally induced features," *J. Opt. A: Pure Appl. Opt.*, 11, 125501-1-125501-9 (2009).
 41. Y. Wang, K. Inoue, H. Kan, T. Ogawa, and S. Wada: "Study on thermally induced depolarization of a probe beam by considering the thermal lens effect," *J. Phys. D: Appl. Phys.*, 42, 235108-1-235108-10 (2009).
 42. M. Fujimoto, S. Arimura, S. Mano, M. Kondo, C. Saito, T. Ueda, A. Nakano, M. Nishimura, M. Nakazono and N. Tsutsumi: "Arabidopsis dynamin-related proteins DRP3A and DRP3B are functionally redundant in mitochondrial fission, but have distinct roles in peroxisomal fission," *Plant J.*, 58, 388-400 (2009).
 43. A. Era, M. Tominaga, K. Ebine, C. Awai, C. Saito, K. Ishizaki, K. Yamato, T. Kohchi, A. Nakano, and T. Ueda: "Application of Lifeact reveals unique F-actin dynamics in *Arabidopsis thaliana* and the liverwort, *Marchantia polymorpha*," *Plant Cell Physiol.*, 50, 1041-1048 (2009).
 44. A. Kadota, N. Yamada, N. Suetsugu, M. Hirose, C. Saito, K. Shoda, S. Ichikawa, T. Kagawa, A. Nakano, and M. Wada: "Short actin-based mechanism for light-directed chloroplast movement in *Arabidopsis*," *Proc. Natl. Acad. Sci. U. S. A.*, 106, 13106-13111 (2009).
 45. S. Matsunaga, T. Matsunaga, K. Iwamoto, K. T. Yamada, M. Shibayama, M. Kawai, T. Kobayashi: "Visualization of phospholipid particle fusion induced by duramycin," *Langmuir*. 25, 8200-8207 (2009).

46. S. Naramoto, S. Sawa, K. Koizumi, T. Uemura, T. Ueda, J. Friml, A. Nakano, and H. Fukuda: "Phosphoinositide-dependent regulation of VAN3 ARF-GAP localization and activity essential for vascular tissue continuity in plants", *Development* 136, 1529-1538 (2009).
47. K. Furukawa, H. Abe, K. Hibino, Y. Sako, S. Tsuneda, and Y. Ito: "Reduction-triggered fluorescent amplification probe for detection of endogenous RNAs in living human cells," *Bioconj. Chem.* 20, 1026-1036 (2009).
48. K. Hibino, T. Shibata, T. Yanagida, and Y. Sako: "A RasGTP-induced conformational change in C-RAF is essential for accurate molecular recognition," *Biophys. J.* 97, 1277-1287 (2009).
49. S. Okuda, H. Tsutsui, K. Shiina, S. Sprunck, H. Takeuchi, R. Yui, R. D. Kasahara, Y. Hamamura, A. Mizukami, D. Susaki, N. Kawano, T. Sakakibara, S. Namiki, K. Ito, K. Otsuka, M. Matsuzaki, H. Nozaki, T. Kuroiwa, A. Nakano, M. M. Kanaoka, T. Dresselhaus, N. Sasaki, and T. Higashiyama: "Defensin-like polypeptide LUREs are pollen tube attractants secreted from synergid cells", *Nature* 458, 357-361 (2009).
50. K. Enami, M. Ichikawa, T. Uemura, N. Kutsuna, S. Hasezawa, T. Nakagawa, A. Nakano, and M. H. Sato: "Differential expression control and polarized distribution of plasma membrane-resident SYP1 SNAREs in *Arabidopsis thaliana*", *Plant Cell Physiol.* 50, 280-289 (2009).
51. A. Murakami-Sekimata, K. Sato, K. Sato, A. Takashima, and A. Nakano: "O-Mannosylation is required for the solubilization of heterologously expressed human β -amyloid precursor protein in *Saccharomyces cerevisiae*", *Genes Cells* 14, 205-215 (2009).
52. M. Higashi, C. Ishikawa, J. Yu, A. Toyoda, H. Kawana, K. Kurokawa, M. Matsuda, M. Kitagawa, and K. Harigaya: "Human Mena Associates with Rac1 Small GTPase in Glioblastoma Cell Lines", *PLoS One* 20, 4765-4777 (2009).
53. Y. Nishino, Y. Takahashi, N. Imamoto, T. Ishikawa, and K. Maeshima: "Three-Dimensional Visualization of a Human Chromosome Using Coherent X-ray Diffraction", *Phys. Rev. Lett.* 102, 018101 (2009).
54. A. Baba, K. Akagi, M. Takayanagi, J.G. Flanagan, T. Kobayashi, M. Hattori: "Fyn tyrosine kinase regulates the surface expression of glycosylphosphatidylinositol-linked ephrin via the modulation of sphingomyelin metabolism," *J Biol Chem.* 284(14):9206-9214 (2009)
55. K. Sugawara, Y. Tajima, I. Kawashima, T. Tsukimura, S. Saito, K. Ohno, K. Iwamoto, T. Kobayashi, K. Itoh, and H. Sakuraba: "Molecular interaction of imino sugars with human α -galactosidase: Insight into the mechanism of complex formation and pharmacological chaperone action in Fabry disease", *Mol. Genet. Metab.* 96, 233-238 (2009).
56. J. Bouvier, K. A. Zemski Berry, F. Hullin-Matsuda, A. Makino, S. Michaud, A. Geloën, R. C. Murphy, T. Kobayashi, M. Lagarde, and I. Delton-Vandenbroucke: "Selective decrease of bis(monoacylglycero)phosphate content in macrophages by high supplementation with docosahexaenoic acid", *J. Lipid Res.* 50, 243-255 (2009).
57. N. Ichikawa, K. Iwabuchi, H. Kurihara, K. Ishii, T. Kobayashi, T. Sasaki, N. Hattori, Y. Mizuno, K. Hozumi, Y. Yamada, and E. Arikawa-Hirasawa: "Binding of laminin-1 to GM1 ganglioside in lipid rafts is critical for neurite outgrowth", *J. Cell Sci.* 122, 289-299 (2009).
58. R. Ishitsuka, Y. Hirabayashi, and T. Kobayashi: "Glycosphingolipid deficiency increases the sterol regulatory element-mediated gene transcription", *Biochem. Biophys. Res. Commun.* 378, 240-243 (2009).
59. Tokunaga M, Imamoto N, Sakata-Sogawa K. Highly inclined thin illumination enables clear single-molecule imaging in cells. *Nature Methods.* , 5(2), 159-161 (2008).
60. Tahara, K., Takagi, M., Ohsugi, M., Sone, T., Maeshima, K., Horiuchi, Y., Tokai-Nishizumi, N., Fumiko Nishiumi, F., Imamoto, F., Yamamoto, T., Kose, S. and Imamoto, N. Importin β and small GTPase Ran mediates the chromosome loading of human chromokinesin KID. *J. Cell Biol.*, 180(3), 493-506 (2008).
61. Iwai, Y., Maeshima, K., Ikeda, T., Kojima, T.-M., Kobayashi, T., Nebiki, T., Narusawa, T., Pokhil G.-P., Imamoto, N., Yamazaki, Y. Ion irradiation in liquid of μm^3 region for cell surgery. *Applied Physics Letters*, 92, 023509/1-3 (2008)
62. Wendt, K.S., Yoshida, K., Itoh, T., Bando, M., Koch, B., Schirghuber, E., Tsutsumi, S., Nagae, G., Ishihara, Ko., Mishiho, T., Yahata, K., Imamoto, F., Aburatani, H., Nakao, M., Imamoto, N., Maeshima, K., Shirahige, K., and Peters, J.-M. Cohesin mediates transcriptional insulation by CCCTC-binding factor. *Nature (Article)*, 451, 796-801 (2008)
63. K. Ebine, Y. Okatani, T. Uemura, T. Goh, K. Shoda, M. Niihama, M. T. Morita, C. Pitzer, M. S. Otegui, A. Nakano, and T. Ueda: "A SNARE complex unique to seed plants is required for protein storage vacuole biogenesis and seed development of *Arabidopsis thaliana*", *Plant Cell* 20, 3006-3021 (2008).
64. P. Dhonukshe, H. Tanaka, H. Goh, K. Ebine, A.P. Mähönen, K. Prasad, I. Blilou, N. Geldner, J. Xu, T. Uemura, J. Chory, T. Ueda, A. Nakano, B. Scheres, and J. Friml: "Generation of cell polarity in plants links endocytosis, auxin gradient and cell-fate decisions", *Nature* 456, 962-966 (2008).
65. Y. Takeda and A. Nakano: "In vitro formation of a novel type of membrane vesicles containing Dpm1p: putative transport vesicles for lipid droplets in budding yeast", *J. Biochem.* 143, 803-811 (2008).

66. T. Ishikawa, C. Machida, Y. Yoshioka, T. Ueda, A. Nakano, and Y. Machida: "*EMBRYO YELLOW* gene, encoding a subunit of the conserved oligomeric Golgi complex, is required for appropriate cell expansion and meristem organization in *Arabidopsis thaliana*", *Genes Cells* 13, 521-535 (2008).
67. H. Higashio, K. Sato, and A. Nakano: "Smy2p participates in COPII vesicle formation through the interaction with Sec23p/Sec24p", *Traffic* 9, 79-93 (2008).
68. S.-i. Tanaka, T. Miyata, T. Kato, K. Namba, T. Yanagida, Y. Sako, S. Kawata, and Y. Inouye: "Construction of two color semiconductor Quantum dots wire by utilizing the complementarity of DNA," AIP Conference Proceedings 1062 "DNA-Based Nanodevices," 116-122 (2008).
69. S. Yumura, M. Ueda, Y. Sako, T. Kitanishi-Yumura, and T. Yanagida: "Multiple mechanisms for accumulation of myosin II filaments at the equator during cytokinesis", *Traffic* 9, 2089-2099 (2008).
70. M. Takagi, K. Bunai, K. Yanagi, and N. Imamoto: "Cloning of *Xenopus* orthologs of Ctf7/Eco1 acetyltransferase and initial characterization of XEco2", *FEBS J.* 275, 6109-6122 (2008).
71. M. Hatakeyama, T. Tomizawa, K. Sakai-Kato, P. Bouvagnet, S. Kose, N. Imamoto, S. Yokoyama, N. Itsunomita-Tate, K. Mikoshiba, T. Kigawa, and J. Aruga: "Functional and structural basis of the nuclear localization signal in the ZIC3 zinc finger domain", *Hum. Mol. Genet.* 17, 3459-3473 (2008).
72. T. Ide, T. Kobayashi, and M. Hirano: "Lipid bilayers at the gel interface for single ion channel recordings", *Anal. Chem.* 80, 7792-7795 (2008).
73. M. Yoshimizu, Y. Tajima, F. Matsuzawa, S. I. Aikawa, K. Iwamoto, T. Kobayashi, T. Edmunds, K. Fujishima, D. Tsuji, K. Itoh, M. Ikekika, I. Kawashima, K. Sugawara, N. Ohyanagi, T. Suzuki, T. Togawa, K. Ohno, and H. Sakuraba: "Binding parameters and thermodynamics of the interaction of imino sugars with a recombinant human acid α -glucosidase (alglucosidase alfa): Insight into the complex formation mechanism", *Clin. Chim. Acta* 391, 68-73 (2008).
74. M. Hirano, T. Kobayashi, and T. Ide: "Lipid bilayers at gel/gel interface for ion channel recordings", *e-J. Surf. Sci. Nanotech.* 6, 130-133 (2008).
75. M. Yumoto, Y. Maeda, N. Saito, T. Ogawa, M. Yamashita, and S. Wada: "Electronic wavelength tuning of tunable laser with acousto-optic tunable filter", *Jpn. J. Appl. Phys.* 47, 8411-8415 (2008).
76. Iwabuchi K, Prinetti A, Sonnino S, Mauri L, Kobayashi T, Ishii K, Kaga N, Murayama K, Kurihara H, Nakayama H, Yoshizaki F, Takamori K, Ogawa H, Nagaoka I. (2008) Involvement of very long fatty acid-containing lactosylceramide in lactosylceramide-mediated superoxide generation and migration in neutrophils. *Glycoconj J* 25, 357-374.
77. Popp, D., Narita, A., Oda, T., Fujisawa, T., Matsuo, H., Nitani, Y., Iwasa, M., Maeda, K., Onishi, H., and Maéda, Y. (2008). Molecular Structure of the ParM Polymer and the Mechanism Leading to its Nucleotide Driven Dynamic Instability. *EMBO J.* 27:570-579.
78. Popp D, Yamamoto A, Iwasa M, Nitani Y and Maéda Y (2008). Single molecular polymerization, annealing and bundling dynamics of SipA induced actin filaments. *Cell Motility and the Cytoskeleton*, 65:165-77.
79. Hullin-Matsuda F, Kawasaki K, Delton-Vandenbroucke I, Xu Y, Nishijima M, Lagarde M, Schlame M, Kobayashi T. (2007) De novo biosynthesis of the late endosome lipid, bis(monoacylglycero)phosphate. *J. Lipid Res.* 48, 1997-2008.
80. Goh, T., Uchida, W., Takeuchi, M., Ito, E., Arakawa, S., Ebine, K., Dainobu, T., Sato, K., Ueda, T., and Nakano, A. (2007). VPS9a, the common activator for two distinct types of Rab5 GTPases, is essential for plant development. *Plant Cell* 19:3504-3515.
81. Morita, M. T., Saito, C., Nakano, A., and Tasaka, M. (2007). *endodermal-amyloplast less 1* is a novel allele of *SHORT-ROOT*. *Advances Spase Res.* 39:1127-1133.
82. Uchiyama, Y., Maxson, M. M., Sawada, T., Nakano, A., and Ewing, A. G. (2007). Phospholipid mediated plasticity in exocytosis observed in PC12 cells. *Brain Research* 1151:46-54.
83. Isono, E., Nishihara, K., Saeki, Y., Yashiroda, H., Kamata, N., Ge, J., Ueda, T., Kikuchi, Y., Tanaka, K., Nakano, A., and Toh-e, A. (2007). The assembly pathway of the 19S regulatory particle of the yeast 26S proteasome. *Mol. Biol. Cell* 18:569-580.
84. Miki Morimatsu, Hiroaki Takagi, Kosuke G. Ota, Ryo Iwamoto, Toshio Yanagida, and Yasushi Sako, Y. (2007). Multiple-state reactions between the epidermal growth factor receptor and Grb2 as observed using single-molecule analysis. *Proc. Natl. Acad. Sci. USA*, 104:18013-18018.
85. Takayuki Miyauchi, Toshio Yanagida, and Yasushi Sako (2007). Rho small GTPase regulates the stability of individual focal adhesions: a FRET-based visualization of GDP/GTP exchange on small GTPases. *Biophysics*, 3:63-73.
86. Yahata, K., Maeshima, K., Sone, T., Ando, T., Okabe, M., Imamoto, N. and Imamoto, F. cHS4 insulator-mediated alleviation of promoter interference during cell based expression of tandemly associated transgene. *J. Mol. Biol.* 374(3):580-90 (2007).

87. Imasaki, T., Shimizu, T., Hashimoto, H., Hidaka, Y., Kose, S., Imamoto, N., Yamada, M., and Sato, M. Structural basis for substrate recognition and dissociation by human transportin 1. *Mol. Cell*, 28(1):57-67 (2007).
88. Funakoshi, T., Maeshima, K., Yahata, K., Imamoto, F., Sugano, S., and Imamoto, N. TWO DISTINCT HUMAN POM121 GENES: Requirement for the formation of nuclear pore complexes. *FEBS Lett*, 581(25):4910-6 (2007).
89. Mizushima Y, Takeuchi T, Takakusaki Y, Yonezawa Y, Mizuno T, Yanagi KI, Imamoto N, Sugawara F, Sakaguchi K, Yoshida H, Fujita M. Coenzyme Q(10) as a potent compound that inhibits Cdt1-geminin interaction. *Biochim Biophys Acta*. (2007) Sep 21; [Epub ahead of print] PMID: 18029098 [PubMed - as supplied by publisher].
90. Delton-Vandenbroucke I, Bouvier J, Makino A, Besson N, Pageaux J-F, Lagarde M, Kobayashi T. (2007) Anti-bis(monoacylglycerol)phosphate antibody induces the accumulation of acetylated-low density lipoprotein-derived cholesterol in cultured macrophages. *J. Lipid Res.* 48, 543-552.
91. Kurumada S, Onishi A, Imai H, Ishii K, Kobayashi T, Sato SB. (2007) Stage specific association of apolipoprotein A-I and E in developing mouse retina. *Invest. Ophth. Vis.Sci.* 48, 1815-1823.
92. Matsunaga S, Yokomori R, Ino D, Yamada T, Kawai M, Kobayashi T. (2007) EC-STM observation on electrochemical response of fluidic phospholipid monolayer on Au(111) modified with 1-octanethiol. *Electrochem. Commun.* 9, 645-650.
93. Takahashi H, Hayakawa T, Kawasaki Y, Ito K, Fujisawa T, Kodama M, Kobayashi T. (2007) Structural characterization of N-lignoceroyl (C24:0) sphingomyelin bilayer membranes : A reevaluation. *J.Appl.Cryst.* 40, s312-s317.
94. Takahashi M., Murate M., Fukuda M., Sato S. B., Ohta A., Kobayashi T. (2007) Cholesterol controls lipid endocytosis through Rab11. *Mol. Biol. Cell* 18, 2667-2677.
95. Iwamoto K., Hayakawa T., Murate M., Makino A., Ito K., Fujisawa T., Kobayashi T. (2007) Curvature-dependent recognition of ethanolamine phospholipids by duramycin and cinnamycin. *Biophys. J.* 93, 1608-1619.
96. Hayakawa T., Makino A., Michaud S., Lagarde M., Douteau A., Ito K., Hirai M., Kobayashi T. (2007) Membrane properties of dipalmitoyl bis(monoacylglycerol)phosphate. *Membrane* 32, 221-228.
97. Hullin-Matsuda F, Kobayashi T. (2007) Monitoring the distribution and dynamics of signaling microdomains in living cells with lipid-specific probes. *Cell. Mol. Life Sci.* 64, 2492-2504.
98. Popp D, Yamamoto A and Maéda Y (2007). Crowded surfaces change annealing dynamics of actin filaments”, *J. Mol Biol.* 368:365-74.
99. Hirayama T, Iyoshi S, Taki M, Maeda Y, Yamamoto Y. (2007). Synthesis of a new bifunctionalised fluorescent label and physical properties of the bound form on model peptide of troponin C. *Org Biomol Chem.* 5:2040-2045.
100. Popp D, Yamamoto A, Iwasa M, Narita A, Maeda K, Maéda Y (2007) “Concerning the dynamic instability of actin homolog ParM” *Biochem Biophys Res Commun.* 353:109-114.
101. Hayakawa T, Makino A, Murate M, Sugimoto I, Hashimoto Y, Takahashi H, Ito K, Fujisawa T, Matsuo H, Kobayashi T. (2007) pH-dependent formation of membranous cytoplasmic body-like structure of ganglioside GM1/bis(monoacylglycerol)phosphate mixed membranes. *Biophys. J.* 92, L13-16.
102. Ishitsuka R, Kobayashi T. (2007) Cholesterol and lipid/protein ratio control the oligomerization of a sphingomyelin-specific toxin, lysenin. *Biochemistry*, 46, 1495-1502.
103. Tanaka, K., Ogawa, K., Takagi, M., Imamoto, N., Matsumoto, K. & Tsujimoto, M. Rap55, a cytoplasmic mRNP component, represses translation in *Xenopus* Oocytes. (2007) *J. Biol. Chem.* 281, 40096-40106
104. Tadashi Satoh, Ken Sato, Akira Kanoh, Katsuko Yamashita, Ryuichi Kato, Akihiko Nakano, and Soichi Wakatsuki (2006). Structures of carbohydrate recognition domain of Ca²⁺-independent cargo receptors Emp46p and Emp47p. *J. Biol. Chem.* 281:10410-10419.
105. Kumi Matsuura-Tokita, Masaki Takeuchi, Akira Ichihara, Kenta Mikuriya, and Akihiko Nakano (2006). Live imaging of yeast Golgi cisternal maturation. *Nature* 441:1007-1010.
106. Natsuko Yahara, Ken Sato, and Akihiko Nakano (2006). An Arf1p GTPase-activating protein, Glo3p, executes its regulatory function through the Glo3 motif at its C-terminus. *J. Cell Sci.* 119:2604-2612.
107. Tetsuya Higashiyama, Rie Inatsugi, Sachio Sakamoto, Narie Sasaki, Toshiyuki Mori, Haruko Kuroiwa, Takashi Nakada, Hisayoshi Nozaki, Tsuneyoshi Kuroiwa, and Akihiko Nakano (2006). Species preferentiality of the pollen tube attractant derived from the synergid cell of *Torenia fournieri*. *Plant Physiol.* 142:481-491.
108. Popp D, Yamamoto A, Iwasa M, Maéda Y (2006) “Direct visualization of actin nematic network formation and dynamics”. *Biochem Biophys Res Commun.* 351:348-53.
109. Hayakawa T, Hirano Y, Makino A, Michaud S, Lagarde M, Pageaux J-F, Doutheau A, Ito K, Fujisawa T, Takahashi H, Kobayashi T. (2006) Differential membrane packing of stereoisomers of

- bis(monoacylglycero)phosphate. *Biochemistry*, 45, 9198-9209.
110. Singh RD, Liu Y, Wheatley CL, Holicky EL, Makino A, Marks DL, Kobayashi T, Subramaniam G, Bittman R, Pagano RE. (2006) Caveolar endocytosis and microdomain association of a glycolipid analog is dependent on its sphingosine stereochemistry. *J. Biol. Chem.* 281, 30660-30668.
 111. Maeshima, K., Yahata, K., Sasaki, Y., Nakatomi, R., Tachibana, T., Hashikawa, T., Imamoto, F., and Imamoto, N. (2006) Cell cycle-dependent dynamics of nuclear pores: pore-free islands and lamins. *J. Cell Sci.*, 119, 4442-4451.
 112. Handa, N., Kukimoto-Niino, M., Akasaka, R., Kishishita, S., Murayama, K., Terada, T., Inoue, M., Kigawa, T., Kose, S., Imamoto, N., Tanaka, A., Hayashizaki, Y., Shirouzu, M., and Yokoyama, S. (2006) The crystal structure of mouse Nup35 reveals atypical RNP motifs and novel homodimerization of the RRM domain. *J. Mol Biol.* 363, 114-24.
 113. Aratani, S., Oishi, T., Fujita, H., Nikazawa, M., Fujii, R., Imamoto, N., Yoneda, Y., Fukamizu, A., & Nakajima, T. The nuclear import of RNA helicase A is mediated by importin- α 3. *Biochem Biophys Res Commun*, 340, 125-133 (2006).
 114. Makino, A., Ishii, K., Murate, M., Hayakawa, T., Suzuki, Y., Suzuki, M., Ito, K., Fujisawa, T., Matsuo, H., Ishitsuka, R., Kobayashi, T. D-threo-1-Phenyl-2-decanoylamino-3-morpholino-1-propanol alters cellular cholesterol homeostasis by modulating the endosome lipid domains. *Biochemistry*, 45(14), 4530-4541 (2006)
 115. Koizumi, K., Naramoto, S., Sawa, S., Yahara, N., Ueda, T., Nakano, A., Sugiyama, M., and Fukuda, H. (2005). VAN3 ARF-GAP-mediated vesicle transport involved in leaf vascular network formation. *Development* 132:1699-1711.
 116. Kose, S., Furuta, M., Koike, M., Yoneda, Y., and Imamoto, N. (2005). The 70-kD heat shock cognate protein (hsc70) facilitates the nuclear export of the import receptors. *J. Cell Biol.* 171:19-25.
 117. Niihama, M., Uemura, T., Saito, C., Nakano, A., Sato, M. H., Tasaka, M., and Morita, M. T. (2005). Conversion of functional specificity in Qb-SNARE VTI1 homologues of Arabidopsis. *Curr. Biol.* 15:555-560.
 118. Okada, Y., Suzuki, T., Sunden, Y., Orba, Y., Kose, S., Imamoto, N., Takahashi, H., Tanaka, S., Hall, W. W., Nagashima, K., and Sawa, H. (2005). Dissociation of heterochromatin protein 1 from lamin B receptor induced by human polyomavirus agnoprotein: role in nuclear egress of viral particles. *EMBO Rep.* 6:452-457.
 119. Sato, K. and Nakano, A. (2005). Dissection of COPII subunit-cargo assembly and disassembly kinetics during Sar1p-GTP hydrolysis. *Nat. Struct. Mol. Biol.* 12:167-174.
 120. Sato, K., and Nakano, A. (2005). Reconstitution of cargo-dependent COPII coat assembly on proteoliposomes. *Methods Enzymol.* 404:83-94.
 121. Sawa, S., Koizumi, K., Naramoto, S., Demura, T., Ueda, T., Nakano, A., and Fukuda, H. (2005). DRP1A is responsible for vascular continuity synergistically working with VAN3 in Arabidopsis. *Plant Physiol.* 138:819-826.
 122. Voigt, B., Timmers, A., Samaj, J., Hlavacka, A., Ueda, T., Preuss, M., Nielsen, E., Mathur, J., Emans, N., Stenmark, H., Nakano, A., Baluska, F., and Menzel, D. (2005). Actin-based motility of endosomes is linked to the polar tip growth of root hairs. *Eur. J. Cell Biol.* 84:609-621.
 123. 時田公美, 中野明彦. 2006. ゴルジ槽成熟のライブイメージング. *実験医学* 24 : 2137-2139.
 124. 中野明彦. 2006. ゴルジ体をめぐる論争に決着!? *科学* 76 : 890-894.
 125. 中野明彦. 2006. 高性能ライブイメージングによりゴルジ体におけるタンパク質輸送の大論争を解決. *バイオニクス* 2006 (11), 50-55.
 126. 中野明彦. 2006. メンブレントラフィックの奔流-分子から高次機能へ- *細胞工学* 25 : 1250-1251.
 127. 時田公美, 中野明彦. 2006. ライブイメージングによるゴルジ体槽成熟の証明. *細胞工学* 25 : 1264-1267.
 128. 今本尚子「核膜孔複合体：分子構築と機能」 *蛋白質核酸酵素* 2006年11月号増刊「細胞核の世界」
 129. 今本尚子「核膜孔複合体：核-細胞質間分子流通のメディエーターとしての機能と構造」 *遺伝子医学MOOK* 5号「先端生物医学研究・医療のための遺伝子導入テクノロジー ウィルスをを用いない遺伝子導入法の材料, 技術, 方法論の新たな展開」(2006)
 130. 湯本正樹, 前田康大, 赤川和幸, 加藤真弓, 斎藤徳人, 小川貴代, 山下正文, 和田智之「電子制御波長可変チタンサファイアレーザー第二高調波発生」 *レーザー学会第352回研究会技術資料*, RTM-06-28, pp.7-11, 2006

Books, Proceedings

1. K. Maeshima, H. Iino, S. Hihara, N. Imamoto: "Nuclear size, nuclear pore number, and cell cycle". *Nucleus* (2011) in press

2. N. Ishido, H. Kobayashi, Y. Sako, T. Arai, M. Fukuda, and T. Nakamura: "How to make FRET biosensors for Rab family GTPases", Biosensors for Health, Environment and Biosecurity / Book1, INTECH (2011).
3. A. Nakano and A. Luini. Passage through the Golgi. *Curr. Opin. Cell Biol.* **22**:471-478 (2010).
4. M. Hiroshima and Y. Sako: "Single-molecule kinetic analysis of receptor protein tyrosine kinases", Cell Signaling Reactions: Single-molecule Kinetic Analyses, 1-32. Sako, Y. and Ueda, M. eds. Springer (2010).
5. K. Hibino and Y. Sako: "Single-molecule analysis of molecular recognition between signaling proteins Ras and RAF", Cell Signaling Reactions: Single-molecule Kinetic Analyses, 59-78. Sako, Y. and Ueda, M. eds. Springer (2010).
6. H. Kosako, N. Imamoto: "Phosphorylation of nucleoporins: Signal transduction-mediated regulation of their interaction with nuclear transport receptors." *Nucleus* **4**, 309-313 (2010).
7. B. S. Glick and A. Nakano: "Membrane traffic within the Golgi complex," *Annu. Rev. Cell Dev. Biol.*, **24**, 113-132 (2009).
8. S. Emr, B. Glick, A. Linstedt, J. Lippincott-Schwartz, A. Luini, V. Malhotra, B. Marsh, A. Nakano, S. Pfeffer, C. Rabouille, J. Rothman, G. Warren, and F. Wieland: "Journeys through the Golgi – Taking stock in a new era," *J. Cell Biol.*, **187**, 449-453 (2009).
9. M. Takahashi and T. Kobayashi: "Cholesterol regulation of rab-mediated sphingolipid endocytosis", *Glycoconj. J.*, **26**, 705-710 (2009).
10. F. Hullin-Matsuda, R. Ishitsuka, M. Takahashi, T. Kobayashi: "Imaging lipid membrane domains with lipid-specific probes," *Methods Mol Biol.* **580**:203-20 (2009)
11. K. Hibino, M. Hiroshima, M. Takahashi, and Y. Sako: "Single-molecule imaging of fluorescent proteins expressed in living cells," *Methods Mol. Biol.*, vol.48, pp451-460 (2009).
12. C. Saito and T. Ueda: "Functions of RAB and SNARE proteins in plant life," *Int. Rev. Cell Mol. Biol.*, vol. **274**, pp. 183-233 (2009).
13. M. Ueda, T. Shibata, and Y. Sako: "Signal transduction across the plasma membrane," *Single Molecule Dynamics in Life Science*, pp. 99-116 (2009).
14. Ishitsuka R, Kobayashi T.: The use of lipid-binding toxins to study distribution and dynamics of sphingolipids and cholesterol (review). in *Probes and Tags to Study Biomolecular Function* (Weinreich F. ed.) Wiley, 53-71 (2008)
15. K. Sato and A. Nakano: "COPII", The Golgi Apparatus, State of the art 110 years after Camillo Golgi's discovery, eds. A. Mironov and M. Pavelka, pp. 78-86, Springer-Verlag, Wien (2008).
16. Nakano: "Yeast Golgi apparatus", The Golgi Apparatus, State of the art 110 years after Camillo Golgi's discovery, eds. A. Mironov and M. Pavelka, pp. 623-629, Springer-Verlag, Wien (2008).
17. Shogomori H, Kobayashi T. (2008) Lysenin: a sphingomyelin specific pore-forming toxin. (review) *Biochim. Biophys. Acta* **1780**, 612-618
18. Sato, K. and Nakano, A. (2007). Mechanisms of COPII vesicle formation and protein sorting. *FEBS Lett.* **581**:2076-2082.
19. 今本尚子：第2章 オルガネラ形成機構の研究法 「核膜」 生物薬科学実験講座5 細胞の構造とオルガネラ, 135-147 (2010).
20. 日比野佳代, 白燦基, 佐甲靖志: "細胞内1分子計測とシステムズバイオロジー," *細胞工学*, **29**, 344-348 (2010).
21. 岩本邦彦, 牧野麻美, 小林俊秀: "エタノールアミン脂質特異的毒素の作用機構," *生物物理* **49**, 122-125 (2009).
22. 中野明彦: "生物屋の夢," *光学*, **38**, 333 (2009).
23. 佐甲靖志: "細胞内情報伝達反応の1分子キネティクス," *生物物理*, vol. **49**, pp. 184-191 (2009).
24. 小林俊秀: "脂質ラフトは存在するか", *生化学* **81**, 17-23 (2009).
25. 中野明彦: "私の分泌研究: 黎明からメントラまで", *蛋白質 核酸 酵素 増刊号 "メンブレントラフィック" 蛋白質 核酸 酵素* **53**, 2111-2117 (2008).
26. 時田公美, 中野明彦: "ゴルジ体の槽成熟", *蛋白質 核酸 酵素 増刊号 "メンブレントラフィック" 蛋白質 核酸 酵素* **53**, 2053-2057 (2008).
27. 中野明彦: "小胞輸送/膜交通の分子機構とダイナミクス", *実験医学増刊号 "生命現象の動的理解を目指すライブイメージング"*, 宮脇敦史編, *実験医学* **26**, 2712-2717 (2008).
28. 佐甲靖志: "細胞内シグナル伝達システムの1分子イメージング", *生命現象の動的理解を目指すライブイメージング*, *実験医学増刊* **26**, 2718-2723 (2008).
29. 湯本 正樹, 前田 康大, 斎藤 徳人, 小川 貴代, 山下 正文, 和田 智之: 「中赤外高速波長可変コヒーレント光源の波長安定性とイメージング計測」 *レーザー研究*, **36**, 84-88 (2008)
30. 和田 智之: 「フォトメディカルサイエンスのためのレーザー研究」 *日本レーザー医学会誌*, **28**, 411-415 (2008)

31. 竹内雅宜, 時田公美, 中野明彦. 2007. 出芽酵母ゴルジ体における槽成熟過程のイメージング解析. 蛋白質 核酸 酵素 52: 151-156.
32. 佐甲靖志. 2007. 細胞内情報伝達分子間相互作用の1分子可視化解析. 「特集・分子イメージング」顕微鏡 42:166-169.
33. 佐甲靖志. 2007. 1分子イメージングによる解析法. 「分子間相互作用ハンドブック」磯部俊明, 中山敬一, 伊藤隆司編 pp.96-100 羊土社
34. 佐甲靖志. 2007. 全反射顕微鏡と1分子計測. 「生細胞蛍光イメージング」原口徳子, 木村宏, 平岡泰編 pp.206-220 共立出版
35. 日比野佳代, 佐甲靖志. 2007. 全反射顕微鏡による1分子動態観察. 「生細胞蛍光イメージング」原口徳子, 木村宏, 平岡泰編 pp.291-294 共立出版
36. 小野教夫, 木村礼子, 山田憲一郎, 若松延昭. (2007). 見えない染色体異常 -染色体構築と分配機構の異常による先天性疾患-. 実験医学 25 (増刊号: 染色体サイクル), 776-781.
37. Hullin-Matsuda F, Kobayashi T. (2007) Monitoring the distribution and dynamics of signaling microdomains in living cells with lipid-specific probes. (review) *Cell. Mol. Life Sci.* 64, 2492-2504.
38. 早川智広, 牧野麻美, 小林俊秀 (2007) エンドソーム特異的脂質の表面物性と病態, 表面科学, 28, 192-197
39. 湯本正樹, 前田康大, 斉藤徳人, 小川貴代, 山下正文, 和田智之: “電子制御波長可変 Ti:sapphire レーザーの波長安定化 “ レーザー研究 35, 105-108 (2007)
40. 和田智之: “電子波長制御レーザー光源” 光学 36, 6-9 (2007).