

先端バイオイメージング支援プラットフォーム (JP16H06280)

Publication LIST

1. Ogawa C., Kidokoro H., Fukasawa T., Yamamoto H., Ishihara N., Ito Y., Sakaguchi Y., Okai Y., Ohno A., Nakata T., Azuma Y., Hattori A., Kubota T., Tsuji T., Hirakawa A., Kawai H., Natsume J. Cytotoxic edema at onset in West syndrome of unknown etiology: A longitudinal diffusion tensor imaging study. *Epilepsia* 59, 440-8 (2018)10.1111/epi.13988
2. Hirata A., Murata K., Hayashi K., Nakamura K. I. Three-dimensional analysis of peeled internal limiting membrane using focused ion beam/scanning electron microscopy. *Translational Vis. Sci. Technol.* 7(2018)10.1167/tvst.7.1.15
3. Goto M., Abe O., Miyati T., Aoki S., Gomi T., Takeda T. Mis-segmentation in voxel-based morphometry due to a signal intensity change in the putamen. *Radiol. Phys. Technol.* 10, 515-24 (2017)10.1007/s12194-017-0424-3
4. Yamaguchi S., Fukazawa A., Taki M. Phosphole P-oxide-containing ϕ -electron materials: Synthesis and applications in fluorescence imaging. *Yuki Gosei Kagaku Kyokaishi* 75, 1179-87 (2017)
5. Andica C., Hagiwara A., Hori M., Nakazawa M., Goto M., Koshino S., Kamagata K., Kumamaru K., Aoki S. Automated brain tissue and myelin volumetry based on quantitative MR imaging with various in-plane resolutions. *J. Neuroradiol.* (2017)10.1016/j.neurad.2017.10.002
6. Goto M., Kamagata K., Hatano T., Hattori N., Abe O., Aoki S., Hori M., Gomi T. Depressive symptoms in Parkinson's disease are related to decreased left hippocampal volume: correlation with the 15-item shortened version of the Geriatric Depression Scale. *Acta Radiol.* 59, 341-5 (2018)10.1177/0284185117719100
7. Sawada M., Ohno N., Kawaguchi M., Huang S. H., Hikita T., Sakurai Y., Nguyen H. B., Thai T. Q., Ishido Y., Yoshida Y., Nakagawa H., Uemura A., Sawamoto K. PlexinD1 signaling controls morphological changes and migration termination in newborn neurons. *EMBO J.* 37(2018)10.15252/embj.201797404
8. Saitou T., Kiyomatsu H., Imamura T. Quantitative Morphometry for Osteochondral Tissues Using Second Harmonic Generation Microscopy and Image Texture Information. *Scientific Reports* 8(2018)10.1038/s41598-018-21005-9
9. Tanoue R., Ohta K., Miyazono Y., Iwanaga J., Koba A., Natori T., Iwamoto O., Nakamura K. I., Kusukawa J. Three-dimensional ultrastructural analysis of the interface between an implanted demineralised dentin matrix and the surrounding newly formed bone. *Scientific Reports* 8(2018)10.1038/s41598-018-21291-3
10. Nakamura A., Tasaki T., Okuni Y., Song C. H., Murata K., Kozai T., Hara M., Sugimoto H., Suzuki K., Watanabe T., Uchihashi T., Noji H., Iino R. Rate constants, processivity, and productive binding ratio of chitinase A revealed by single-molecule analysis. *Phys. Chem. Chem. Phys.* 20, 3010-8 (2018)10.1039/c7cp04606e
11. Koshiyama D., Fukunaga M., Okada N., Yamashita F., Yamamori H., Yasuda Y., Fujimoto M., Ohi K., Fujino H., Watanabe Y., Kasai K., Hashimoto R. Role of subcortical structures on cognitive and social function in schizophrenia. *Scientific Reports* 8(2018)10.1038/s41598-017-18950-2

12. Ogasawara H., Grzybowski M., Hosokawa R., Sato Y., Taki M., Yamaguchi S. A far-red fluorescent probe based on a phospha-fluorescein scaffold for cytosolic calcium imaging. *Chem. Commun.* 54, 299-302 (2018)10.1039/c7cc07344e
13. Koshiyama D., Fukunaga M., Okada N., Yamashita F., Yamamori H., Yasuda Y., Fujimoto M., Ohi K., Fujino H., Watanabe Y., Kasai K., Hashimoto R. Subcortical association with memory performance in schizophrenia: a structural magnetic resonance imaging study. *Transl. Psychiatry* 8(2018)10.1038/s41398-017-0069-3
14. Fujimoto T., Kuwahara T., Eguchi T., Sakurai M., Komori T., Iwatsubo T. Parkinson's disease-associated mutant LRRK2 phosphorylates Rab7L1 and modifies trans-Golgi morphology. *Biochem. Biophys. Res. Commun.* 495, 1708-15 (2018)10.1016/j.bbrc.2017.12.024
15. Kimura Y., Tasaka M., Torii K. U., Uchida N. ERECTA-family genes coordinate stem cell functions between the epidermal and internal layers of the shoot apical meristem. *Development* 145(2018)10.1242/dev.156380
16. Goto M., Yamashita F., Kawaguchi A., Abe O., Aoki S., Miyati T., Gomi T., Takeda T., Japanese Alzheimer's Dis Neuro. The Effect of Single-Scan and Scan-Pair Intensity Inhomogeneity Correction Methods on Repeatability of Voxel-Based Morphometry With Multiple Magnetic Resonance Scanners. *J. Comput. Assisted Tomogr.* 42, 111-6 (2018)10.1097/rct.0000000000000657
17. Hori M., Kamiya K., Irie R. Advanced diffusion-weighted magnetic resonance imaging in the evaluation of white matter axons in patients with idiopathic normal pressure hydrocephalus. *Neural Regeneration Research* 12, 1974-5 (2017)10.4103/1673-5374.221149
18. Hori M., Irie R., Suzuki M., Aoki S. Teaching Neuroimages: Obscured Cerebral Infarction on MRI. *Clin. Neurorad.* 27, 519-20 (2017)10.1007/s00062-017-0576-x
19. Tsuji H., Inoue I., Takeuchi M., Furuya A., Yamakage Y., Watanabe S., Koike M., Hattori M., Yamanaka K. TDP-43 accelerates age-dependent degeneration of interneurons. *Scientific Reports* 7(2017)10.1038/s41598-017-14966-w
20. Hagiwara A., Hori M., Yokoyama K., Nakazawa M., Ueda R., Horita M., Andica C., Abe O., Aoki S. Analysis of White Matter Damage in Patients with Multiple Sclerosis via a Novel In Vivo MR Method for Measuring Myelin, Axons, and G-Ratio. *Am. J. Neuroradiol.* 38, 1934-40 (2017)10.3174/ajnr.A5312
21. Hagiwara A., Warntjes M., Hori M., Andica C., Nakazawa M., Kumamaru K. K., Abe O., Aoki S. SyMRI of the Brain Rapid Quantification of Relaxation Rates and Proton Density, With Synthetic MRI, Automatic Brain Segmentation, and Myelin Measurement. *Investigative Radiology* 52, 647-57 (2017)10.1097/rli.0000000000000365
22. Satoh T., Song C., Zhu T., Toshimori T., Murata K., Hayashi Y., Kamikubo H., Uchihashi T., Kato K. Visualisation of a flexible modular structure of the ER folding-sensor enzyme UGGT. *Scientific Reports* 7(2017)10.1038/s41598-017-12283-w
23. Wang C. G., Taki M., Sato Y., Fukazawa A., Higashiyama T., Yamaguchi S. Super-Photostable Phosphole-Based Dye for Multiple-Acquisition Stimulated Emission Depletion Imaging. *Journal of the American Chemical Society* 139, 10374-81 (2017)10.1021/jacs.7b04418
24. Takano N., Suzuki M., Irie R., Yamamoto M., Teranishi K., Yatomi K., Hamasaki N., Kumamaru K. K., Hori M., Oishi H., Aoki S. Non-Contrast-Enhanced Silent Scan MR Angiography of Intracranial Anterior Circulation Aneurysms Treated with a Low-Profile Visualized Intraluminal Support Device. *Am. J. Neuroradiol.* 38, 1610-6 (2017)10.3174/ajnr.A5223
25. Katoh M., Wu B., Nguyen H. B., Thai T. Q., Yamasaki R., Lu H. Y., Rietsch A. M., Zorlu M. M., Shinozaki Y., Saitoh Y., Saitoh S., Sakoh T., Ikenaka K., Koizumi S., Ransohoff R. M., Ohno N.

- Polymorphic regulation of mitochondrial fission and fusion modifies phenotypes of microglia in neuroinflammation. *Scientific Reports* 7(2017)10.1038/s41598-017-05232-0
26. Morizawa Y. M., Hirayama Y., Ohno N., Shibata S., Shigetomi E., Sui Y., Nabekura J., Sato K., Okajima F., Takebayashi H., Okano H., Koizumi S. Reactive astrocytes function as phagocytes after brain ischemia via ABCA1-mediated pathway. *Nat. Commun.* 8(2017)10.1038/s41467-017-00037-1
 27. Arai R., Sugawara T., Sato Y., Minakuchi Y., Toyoda A., Nabeshima K., Kimura H., Kimura A. Reduction in chromosome mobility accompanies nuclear organization during early embryogenesis in *Caenorhabditis elegans*. *Scientific Reports* 7(2017)10.1038/s41598-017-03483-5
 28. Kaneko N., Sawada M., Sawamoto K. Mechanisms of neuronal migration in the adult brain. *J. Neurochem.* 141, 835-47 (2017)10.1111/jnc.14002
 29. Kimura K., Mamane A., Sasaki T., Sato K., Takagi J., Niwayama R., Hufnagel L., Shimamoto Y., Joanny J. F., Uchida S., Kimura A. Endoplasmic-reticulum-mediated microtubule alignment governs cytoplasmic streaming. *Nature Cell Biology* 19, 399-+ (2017)10.1038/ncb3490
 30. Ikematsu S., Tasaka M., Torii K. U., Uchida N. ERECTA-family receptor kinase genes redundantly prevent premature progression of secondary growth in the *Arabidopsis* hypocotyl. *New Phytol.* 213, 1697-709 (2017)10.1111/nph.14335
 31. Kawaoka T., Ohnuki S., Ohya Y., Suzuki K. Morphometric analysis of autophagy-related structures in *Saccharomyces cerevisiae*. *Autophagy* 13, 2104-10 (2017)10.1080/15548627.2017.1384888
 32. Takeda K., Matsumoto M., Ogata Y., Maida K., Murakami H., Murayama K., Shimoji K., Hanakawa T., Matsumoto K., Nakagome K. Impaired prefrontal activity to regulate the intrinsic motivation-action link in schizophrenia. *Neuroimage-Clinical* 16, 32-42 (2017)10.1016/j.nicl.2017.07.003
 33. Abe H., Shimoji K., Nagamine Y., Fujiwara S., Izumi S. I. Predictors of Recovery from Traumatic Brain Injury-Induced Prolonged Consciousness Disorder. *Neural Plast.* (2017)10.1155/2017/9358092
 34. Uno K., Sasaki T., Sugimoto N., Ito H., Nishihara T., Hagihara S., Higashiyama T., Sasaki N., Sato Y., Itami K. Key Structural Elements of Unsymmetrical Cyanine Dyes for Highly Sensitive Fluorescence Turn-On DNA Probes. *Chemistry-an Asian Journal* 12, 233-8 (2017)10.1002/asia.201601430
 35. Tsuboyama K., Koyama-Honda I., Sakamaki Y., Koike M., Morishita H., Mizushima N. The ATG conjugation systems are important for degradation of the inner autophagosomal membrane. *Science* 354, 1036-41 (2016)10.1126/science.aaf6136