1. **Kohei Nishimura, Masamichi Ishiai, Kazuki Horikawa, Tatsuo Fukagawa, Minoru Takata, Haruhiko Takisawa *and* T Masato Kanemaki :** Mcm8 and Mcm9 form a complex that functions in homologous recombination repair induced by DNA interstrand crosslinks., *Molecular Cell,* **Vol.47,** *No.4,* 511-522, 2012.
2. **Tomoki Matsuda, Kazuki Horikawa, Kenta Saito *and* Takeharu Nagai :** Highlighted Ca2+ imaging with a genetically encoded 'caged' indicator., *Scientific Reports,* **Vol.3,** 1398, 2013.
3. **Kazuki Horikawa :** Japan Taiwan Joiunt symposium for Paradigm Innovation in Biology: novel strategy and thinking, *Academia Sinica, Taipei, Taiwan,* Jul. 2012.
4. **足立 隼 :** 東日本の細胞性粘菌の観察スケールにより異なる群集動態, *日本遺伝学会第84回大会,* 2012年9月.
5. **佐藤 朗 :** シグナル伝達を可視化する改良型プローブの紹介 ∼Ca2+, cAMP, cGMP∼, *日本細胞性粘菌学会,* 2012年11月.
6. **足立 隼 :** 東日本の細胞性粘菌の観察スケールにより異なる群集動態, *第2回日本細胞性粘菌学会年会,* 2012年11月.
7. **足立 隼 :** 東日本の細胞性粘菌の観察スケールにより異なる群集動態, *日本生態学会第60回大会,* 2013年3月.
8. **堀川 一樹, Takeharu Nagai :** [Spatiotemporal regulation of Ca(2 +) dynamics in live cells revealed by Ca(2 +) imaging]., *Clinical Calcium,* **Vol.23,** *No.4,* 527-533, 2013年.
9. **堀川 一樹, 永井 健治 :** Ca2+イメージングで解き明かすCa2+動態の時空間統御機構, *Clinical Calcium,* **Vol.23,** *No.4,* 69-75, 2013年.
10. **堀川 一樹 :** Fluorescent probes for bio-imaging of bone, *The Bone,* **Vol.28,** *No.2,* 67-72, 2014年.
11. **Shun Adachi, Yasuhiro Murakawa *and* Sota Hiraga :** SecA defects are accompanied by dysregulation of MukB, DNA gyrase, chromosome partitioning and DNA superhelicity in Escherichia coli., *Microbiology,* **Vol.160,** *No.Pt 8,* 1648-1658, 2014.
12. **Kazunori Kanemaru, Hiroshi Sekiya, Ming Xu, Kaname Satoh, Nami Kitajima, Keitaro Yoshida, Yohei Okubo, Takuya Sasaki, Satoru Moritoh, Hidetoshi Hasuwa, Masaru Mimura, Kazuki Horikawa, Ko Matsui, Takeharu Nagai, Masamitsu Iino *and* Kenji F. Tanaka :** In vivo visualization of subtle, transient, and local activity of astrocytes using an ultrasensitive Ca(2+) indicator., *Cell Reports,* **Vol.8,** *No.1,* 311-318, 2014.
13. **Takeharu Nagai, Kazuki Horikawa, Kenta Saito *and* Tomoki Matsuda :** Genetically encoded Ca(2+) indicators; expanded affinity range, color hue and compatibility with optogenetics., *Frontiers in Molecular Neuroscience,* **Vol.7,** 90, 2014.
14. **Kazuki Horikawa :** Recent progress in the development of genetically encoded Ca2+ indicators., *The Journal of Medical Investigation : JMI,* **Vol.62,** *No.1-2,* 24-28, 2015.
15. **Michihiro Nakamura, Koichiro Hayashi, Nakano Mutsuki, Kanadani Takafumi, Miyamoto Kazue, Toshinari Kori *and* Kazuki Horikawa :** Identification of Polyethylene Glycol-Resistant Macrophages on Stealth Imaging In Vitro Using Fluorescent Organosilica Nanoparticles, *ACS Nano,* **Vol.9,** *No.2,* 1058-1071, 2015.
16. **Shun Adachi, Yasuhiro Murakawa *and* Sota Hiraga :** Dynamic nature of SecA and its associated proteins in Escherichia coli., *Frontiers in Microbiology,* **Vol.6,** *No.75,* 1-12, 2015.
17. **Shun Adachi :** Eastern Japanese Dictyostelia Species Adapt While Populations Exhibit Neutrality., *Evolutionary Biology,* **Vol.42,** *No.2,* 210-222, 2015.
18. **Shun Adachi :** Eastern Japanese Dictyostelia species adapt while populations exhibit neutrality, *Annual International Dictyostelium Conference,* Potsdam, Aug. 2014.