

学術論文 (\* Corresponding author)

2022 (R4)

- 1) 7-Aminocoumarin-4-acetic Acid as a Fluorescent Probe for Detecting Bacterial Dipeptidyl Peptidase Activities in Water-in-Oil Droplets and in Bulk, Akihiro Nakamura, Nobuyuki Honma, Yuma Tanaka, Yoshiyuki Suzuki, Yosuke Shida, Yuko Tsuda, Koushi Hidaka\*, and Wataru Ogasawara\* Analytical Chemistry, **94**, Article number: 2416-2424, (2022.2.8), <https://doi.org/10.1021/acs.analchem.1c04108>

2021 (R3)

- 2) Disruption of alpha-tubulin releases carbon catabolite repression and enhances enzyme production in *Trichoderma reesei* even in the presence of glucose, Nozomu Shibata, Hiroshi Kakeshita, Kazuaki Igarashi, Yasushi Takimura, Yosuke Shida, Wataru Ogasawara, Tohru Koda, Tomohisa Hasunuma, Akihiko Kondo Biotechnology for Biofuels, **14**, Article number: 39, (2021.2.8), <https://doi.org/10.1186/s13068-021-01887-0>
- 3) Structural basis for an exceptionally strong preference for asparagine residue at the S2 subsite of *Stenotrophomonas maltophilia* dipeptidyl peptidase 7, Akihiro Nakamura, Yoshiyuki Suzuki, Yasumitsu Sakamoto, Saori Roppongi, Chisato Kushibiki, Natsuri Yonezawa, Masato Takahashi, Yosuke Shida, Hiroaki Gouda, Takamasa Nonaka, Nobutada Tanaka, Wataru Ogasawara\*, Scientific reports, **11**, Article number: 7929, (2021.4.12) <https://doi.org/10.1038/s41598-021-86965-x>

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- 4) Involvement of Xyr1 and Are1 for Trichodermapepsin Gene Expression in Response to Cellulose and Galactose in *Trichoderma reesei*,  
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- 5) Functional analysis of a novel lytic polysaccharide monooxygenase from *Streptomyces griseus* on cellulose and chitin,  
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<https://doi.org/10.1016/j.ijbiomac.2020.08.015>

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- 6) The Crystal Structure of Peptidase Toward Drug Discovery,  
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Koushi Hidaka, Akihiro Nakamura, Nobuyuki Honma, Wataru Ogasawara, and  
Nobutada Tanaka,  
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- 7) Characterization of earthworm  $\alpha$ -amylases for dietary supplement development and biomass utilization,  
Shin-ichi Akazawa, Yuki Ikarashi, Keisuke Yokoyama, Yosuke Shida, Wataru Ogasawara,  
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- 8) Fragment-Based Discovery of the First Nonpeptidyl Inhibitor of an S46 Family Peptidase,  
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- 10) Hiroaki Takaku, Atsumi Miyajima, Haruka Kazama, Rikako Sato, Satoshi Ara, Tomohiko Matsuzawa, Katsuro Yaoi, Hideo Araki, Yosuke Shida, Wataru Ogasawara, Harutake Yamazaki,  
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- 11) Pham Khanh Dung, Yosuke Shida, Atsushi Miyata, Takeru Takamizawa, Yoshiyuki Suzuki, Satoshi Ara, Harutake Yamazaki, Kazuo Masaki, Kazuki Mori, Sachiyo Aburatani, Hideki Hirakawa, Kosuke Tashiro, Satoru Kuhara, Hiroaki Takaku, Ogasawara Wataru\*,  
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- 14) High-pressure tolerance of earthworm fibrinolytic and digestive enzymes,  
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- 16) Proteolytic analysis of *Trichoderma reesei* in cellulase-inducing condition reveals a role for trichodermapepsin (TrAsP) in cellulase production,  
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- 17) Cellulase productivity of *Trichoderma reesei* mutants developed in Japan varies with varying pH conditions,  
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- 25) A high performance *Trichoderma reesei* strain that reveals the importance of XylanaseIII in cellulosic biomass conversion, H. Nakazawa, T. Kawai, N. Ida, Y. Shida, K. Shioya, Y. Kobayashi, H. Okada, S. Tani, J. Sumitani, T. Kawaguchi, Y. Morikawa and W. Ogasawara\*, *Enzyme. Microb. Technol.*, in press, 82, 89-95, (2015)

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