

化学教室  
(Department of Chemistry)

教育研究原著論文

1) 印刷公表

1. Tsuda S, Asahi, K\*, Takahashi R\*, Yamauchi H\*, Ueda R\*, Iwasaki T<sup>\*2</sup>, Fujiwara S, Kambe N\*. Bio-inspired asymmetric aldehyde arylations catalyzed by rhodium–cyclodextrin self-inclusion complexes. *Org Biomol Chem* 2022;20(4):801–807.
2. Makita Y, Kawaguchi S<sup>\*3</sup>, Fujiwara S. Characterization and antitumor activity of furazano[3,4-g]pteridine-2,4(1H,3H)-dione. *Heterocycles* 2022;104(5):917–924.
3. Su D<sup>\*4</sup>, Zhou S<sup>\*4</sup>, Masai H<sup>\*2</sup>, Liu Z<sup>\*4</sup>, Zhou C<sup>\*4</sup>, Yang C<sup>\*4</sup>, Li Z<sup>\*4</sup>, Tsuda S, Liu Z<sup>\*4</sup>, Terao J<sup>\*2</sup>, Guo X<sup>\*4</sup>. Stochastic binding dynamics of a photoswitchable single supramolecular complex. *Adv Sci* 2022;9(13):doi 10.1002/advs.202200022.
4. 武田 洋平<sup>\*5</sup>, Jamsransuren Dulamjav<sup>\*5</sup>, 牧田 佳真, 金子 明寛<sup>\*6</sup>, 松田 祥子<sup>\*5</sup>, 小川 晴子<sup>\*5</sup>, 王 宝禮. SARS-CoV-2に対するオゾン水、微酸性電解水、エタノールの不活化作用. 齢科薬物療法学雑誌 2022;41(1):19–25.
5. Nishiyama Y<sup>\*7</sup>, Xu S<sup>\*7</sup>, Hanatani Y<sup>\*7</sup>, Tsuda S, Umeda R<sup>\*7</sup>. Rhenium complex-catalyzed deoxygenation and silylation of alcohols with hydrosilane. *Tetrahedron Lett* 2022 ; 99:doi 10.1016/j.tetlet.2022.153839.
6. Yoshikawa Y, Tamura A<sup>\*8</sup>, Tsuda S, Domae E, Zhang S<sup>\*8</sup>, Yui N<sup>\*8</sup>, Ikeo T, Yoshizawa T<sup>\*9</sup>. Calcium phosphate-adsorbable and acid-degradable carboxylated polyrotaxane consisting of  $\beta$ -cyclodextrins suppresses osteoclast resorptive activity. *Dent Mater J* 2022;41(4):624–632.
7. Makita Y, Akagi Y<sup>\*10</sup>, Aoyagi Y<sup>\*10</sup>, Yakabe G<sup>\*10</sup>, Hirai Y, Nomoto A<sup>\*10</sup>, Fujiwara S, Ogawa A<sup>\*10</sup>. Direct synthesis and characterization of endohedral zinc (II) hemicryptophane complex. *Tetrahedron Lett* 2022;107:doi 10.1016/j.tetlet.2022.154103.
8. Nakamoto Y, Makita Y, Tsuda S, Zhou Y, Yang N, Morikuni H, Nishiura A, Fujiwara S, Matsumoto N. Improved collection method for low volatile smoke components produced by heated tobacco products. *J Osaka Dent Univ* 2022;56(2):193–196.
9. Imamura Y<sup>\*11</sup>, Makita Y, Masuno K, Oh H. Inhibitory mechanism of IL-6 production by oreonto in oral squamous cell carcinoma cell line CAL27 stimulated by pathogen-associated molecular patterns from periodontopathogenic *porphyromonas gingivalis*. *Int J Mol Sci* 2022;24(1):doi 10.3390/ijms24010697.

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