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【総説・解説】

1. 不斉有機ホウ素ラジカル触媒 ～ラジカル環化異性化反応における立体選択性の制御～
安川 直樹
化学 ～注目の論文～, **2024**, 79, 64–65.
2. Accessing unnatural α -amino acids with tetrasubstituted stereogenic centers via catalytic enantioselective reactions of ketimine-type α -iminoesters/ α -iminoamides
N. Yasukawa,* S. Nakamura*
Chem. Commun. **2023**, 59, 8343–8374.
3. 1,3,5-Trimethoxybenzene
T. Kawajiri, N. Yasukawa
e-EROS (Encyclopedia of Reagents for Organic Synthesis), Wiley, **2023**.
doi: 10.1002/047084289X.rn02526
4. イオン対相互作用による芳香族 C(sp²)-H ホウ素化反応の位置選択性制御
安川 直樹
有機合成化学協会誌 ~Review de Debut~, 2021, 79, 592–593.

【学術論文】

1. Organocatalytic Stereoselective Decarboxylative Addition of α -Amido Malonic Acid Half Oxyesters to Isatins
K. Fujita, I. Kumazawa, J. Yokoi, K. Abe, T. Takehara, T. Suzuki, N. Yasukawa, S. Nakamura*
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2. Direct Regioselective Dehydrogenation of α -Substituted Cyclic Ketones
S. A. Schwengers, G. G. Gerosa, T. Amatov, N. Yasukawa, S. Brunen, M. Leutzsch, B. Mitschke, G. Shevchenko, B. List*
Angew. Chem. Int. Ed. **2023**, 62, e202307081.
3. Asymmetric Synthesis of Tetrasubstituted Cyclic Amines via Aza-Henry Reaction using Cinchona Alkaloid Sulfonamide/Zinc(II) Catalysts
N. Yasukawa,* A. Yamanoue, T. Takehara, T. Suzuki, S. Nakamura*
Chem. Commun. **2022**, 58, 1318–1321.
4. Gold-Catalyzed Tandem Oxidative Coupling Reaction between β -Ketoallenes and Electron-Rich Arenes to 2-Furylmethylarenes
N. Yasukawa,* Y. Yamada, C. Furugen, Y. Miki, H. Sajiki, Y. Sawama*
Org. Lett. **2021**, 23, 5891–5895.

5. Palladium on Carbon-Catalyzed Oxidative Transformation of Benzylic Ethers
R. Takakura, S. Kuwata, K. Nakano, **N. Yasukawa**, H. Sajiki,* Y. Sawama*
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6. Copper-Catalyzed Aqueous N–O Bond Cleavage of 2-Oxa-3-Azabicyclo Compounds to Cyclic cis-1,4-Amino Alcohols
N. Yasukawa, Y. Miki, M. Kuwata, H. Sajiki,* Y. Sawama*
ChemSusChem **2020**, *13*, 5632–5637.
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7. Platinum on Carbon-Catalyzed and Chemoselective Aqueous Oxygen Oxidation of Aromatic Acetals to Benzoic Acids
N. Yasukawa, T. Matsuda, E. Shimizu, H. Sajiki,* Y. Sawama*
Heterocycles **2020**, *100*, 145–152.
8. Birch-Type Reduction of Arenes in 2-Propanol Catalyzed by Zero-Valent Iron and Platinum on Carbon
Y. Sawama,* K. Ban, K. Akutsu–Suyama, H. Nakata, M. Mori, T. Yamada, T. Kawajiri, **N. Yasukawa**, K. Park, Y. Monguchi, Y. Takagi, M. Yoshimura, H. Sajiki*
ACS Omega **2019**, *4*, 11522–11531.
9. Stainless Steel-Mediated Hydrogen Generation from Alkanes and Diethyl Ether and Its Application for Arene Reduction
Y. Sawama,* **N. Yasukawa**, K. Ban, R. Goto, M. Niikawa, Y. Monguchi, M. Itoh, H. Sajiki*
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10. Copper-catalyzed pyrrole synthesis from 3,6-dihydro-1,2-oxazines
N. Yasukawa, M. Kuwata, T. Imai, Y. Monguchi, H. Sajiki,* Y. Sawama*
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N. Yasukawa, H. Yokoyama, M. Masuda, Y. Monguchi, H. Sajiki,* Y. Sawama*
Green Chem. **2018**, *20*, 1213–1217.
12. Palladium on Carbon-Catalyzed Benzylic Methoxylation for Synthesis of Mixed Acetals and Orthoesters
N. Yasukawa, T. Kanie, M. Kuwata, Y. Monguchi, H. Sajiki,* Y. Sawama*
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N. Yasukawa, S. Asai, M. Kato, Y. Monguchi, H. Sajiki,* Y. Sawama*
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Y. Sawama,* M. Masuda, **N. Yasukawa**, R. Nakatani, S. Nishimura, K. Shibata, T. Yamada, Y. Monguchi, H.

Suzuka, Y. Takagi, H. Sajiki*

J. Org. Chem. **2016**, *81*, 4190–4195.

15. Mild and Direct Multiple Deuterium-Labeling of Saturated Fatty Acids

T. Yamada, K. Park, **N. Yasukawa**, K. Morita, Y. Monguchi, Y. Sawama,* H. Sajiki*

Adv. Synth. Catal. **2016**, *358*, 3277–3282.

16. Additional Nucleophile-Free FeCl₃-Catalyzed Green Deprotection of 2,4-Dimethoxyphenylmethyl-Protected Alcohols and Carboxylic acids

Y. Sawama,* M. Masuda, A. Honda, H. Yokoyama, K. Park, **N. Yasukawa**, Y. Monguchi, H. Sajiki*

Chem. Pharm. Bull. (the Novel Prize memorial issue for Prof. Satoshi Omura), **2016**, *64*, 778–784.

17. Biarylmethane and Fused Heterocyclic Arene Synthesis via *in situ*-generated *ortho*- and/or *para*-Naphthoquinone Methides

Y. Sawama,* T. Kawajiri, S. Asai, **N. Yasukawa**, Y. Shishido, Y. Monguchi, H. Sajiki*

J. Org. Chem. **2015**, *80*, 5556–5565.

【学会発表－国際会議】

1. Enantioselective synthesis of α,α -disubstituted cyclic α -amino acids via aza-Henry reaction using cinchona alkaloid sulfonamide/zinc (II) catalysts (Poster)

○**Naoki Yasukawa**, Ami Yamanoue, Shuichi Nakamura

The 15th International Kyoto Conference on New Aspects of Organic Chemistry (IKCOC-15), Rihga Royal Hotel KYOTO, Japan, November, 2023.

PB(D)06

2. One-pot pyrrole synthesis based on copper-catalyzed *N*-*O* bond activation and its application to reductive *N*-*O* bond cleavage (Poster)

○**Naoki Yasukawa**, Hironao Sajiki, Yoshinari Sawama

Pacificchem 2021, online, December, 2021.

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3. Highly-Functionalized Pyrrole Synthesis via 3,6-Dihydro-1,2-oxazines using Heterogeneous Copper Catalyst (Poster)

○**Naoki Yasukawa**, Hironao Sajiki, Yoshinari Sawama

27th International Society of Heterocyclic Chemistry Congress, ROHM Theatre Kyoto & Miyakomesse, Kyoto, Japan, September, 2019.

5P-018s

4. Pd/C-catalyzed aromatization of alicyclic substrates in water (Oral)

○**Naoki Yasukawa**, Hiroki Yokoyama, Masahiro, Masuda, Yasunari Monguchi, Hironao Sajiki, Yoshinari Sawama

256th ACS national Meeting & Exposition, Boston Convention and Exhibition Center, Massachusetts, USA, August, 2018.

5. Palladium on carbon-catalyzed and chemoselective oxidation of aromatic acetals (Poster)

Yoshinari Sawama, ○Naoki Yasukawa, Shota Asai, Yasunari Monguchi, Hironao Sajiki
The 3rd International Symposium on Process Chemistry, Kyoto International Conference Center, Kyoto,
Japan, July, 2015.

1P-10

【招待講演】

1. ホウ素ラジカルを用いたシアノ基の光触媒的変換反応

○安川 直樹

第二回東海地区有機化学若手の会、名古屋工業大学（愛知）、2023年9月

【メディア・インタビュー】

1. Chem-Station スポットライトリサーチ

（ベンジル位アセタールを選択的に酸素酸化する不均一系触媒）

【特許】

1. 不均一系パラジウム触媒を用いたシクロアルカジエンまたはシクロアルケン構造を有する化合物の脱水素反応による芳香族化合物の製造方法

澤間 善成、安川 直樹、門口 泰也、佐治木 弘尚

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