

## Publication List

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Sum of the Times Cited: **10165** h-index: **50** (by Scopus)

### Representative publications

1. "Catalytic reductive ring opening of epoxides enabled by zirconocene and photoredox catalysis"  
Aida, K.; Hirao, M.; Funabashi, A.; Sugimura, N.; Ota, E.\*; [Yamaguchi, J.\\*](#)  
*Chem* **2022**, *8*, 1762–1774.
2. "Ring-Opening Fluorination of Bicyclic Azaarenes"  
Komatsuda, M.; Suto, A.; Kondo Jr. H.; Takada, H.; Kato, K.; Saito, M.; [Yamaguchi, J.\\*](#)  
*Chem. Sci.* **2022**, *13*, 665–670.
3. "Convergent Azaspirocyclization of Bromoarenes with NTosylhydrazones by a Palladium Catalyst"  
Yanagimoto, A.; Uwabe, Y.; Wu, Q.; Muto, K.\*; [Yamaguchi, J.\\*](#)  
*ACS Catal.* **2021**, *11*, 10429–10435.
4. "Ni-Catalyzed Aryl Sulfide Synthesis through an Aryl Exchange Reaction"  
Isshiki, R.; Kurosawa, M. B.; Muto, K.; [Yamaguchi, J.\\*](#)  
*J. Am. Chem. Soc.* **2021**, *143*, 10333–10340.
5. "Transition-Metal-Catalyzed Denitrative Coupling of Nitroarenes"  
Muto, K.; Okita, T.; [Yamaguchi, J.\\*](#)  
*ACS Catal.* **2020**, *10*, 9856–9871. (Review)
6. "Catalytic Three-component C–C Bond Forming Dearomatization of Bromoarenes with Malonates and Diazo Compounds"  
Kato, H.; Musha, I.; Komatsuda, M.; Muto, K.\*; Yamaguchi, J.\*  
*Chem. Sci.* **2020**, *11*, 8779–8784.
7. "Ester Dance Reaction on the Aromatic Ring"  
Matsushita, K.; Takise, R.; Muto, K.; [Yamaguchi, J.\\*](#)  
*Science Advances* **2020**, *6*, eaba7614.
8. " $\sigma$ -Bond Hydroboration of Cyclopropanes"  
Kondo H.; Miyamura, S.; Matsushita, K.; Kato, H.; Kobayashi, C.; Arifin; Itami, K.; Yokogawa, D.\*; [Yamaguchi, J.\\*](#)  
*J. Am. Chem. Soc.* **2020**, *142*, 11306–11313.
9. "Catalytic Deoxygenative Coupling of Aromatic Esters with Organophosphorus Compounds"  
Kurosawa, M. B.; Isshiki, R.; Muto, K.; [Yamaguchi, J.\\*](#)  
*J. Am. Chem. Soc.* **2020**, *142*, 7386–7392.
10. "Ester Transfer Reaction of Aromatic Esters with Haloarenes and Arenols by a Nickel Catalyst"  
Isshiki, R.; Inayama, N.; Muto, K.; [Yamaguchi, J.\\*](#)  
*ACS Catal.* **2020**, *10*, 3490–3494.
11. "Pd-Catalyzed Alkenyl Thioether Synthesis from Thioesters and N-Tosylhydrazones"  
Ishitobi, K.; Muto, K.; [Yamaguchi, J.\\*](#)  
*ACS Catal.* **2019**, *9*, 11685–11690.
12. "Pd-Catalyzed Dearomative Three-Component Reaction of Bromoarenes with Diazo Compounds and Allylborates"  
Komatsuda, M.; Kato, H.; Muto, K.\*; [Yamaguchi, J.\\*](#)  
*ACS Catal.* **2019**, *9*, 8991–8995.
13. "Casein kinase 1 family regulates PRR5 and TOC1 in the Arabidopsis circadian clock"  
Uehara, T. N.; Mizutani, Y.; Kuwata, K.; Hirota, T.; Sato, A.; Mizoi, J.; Takao, S.; Matsuo, H.; Suzuki, T.; Ito, S.; Saito, A. N.; Nishiwaki Ohkawa, T.; Yamaguchi-Shinozaki, K.; Yoshimura, T.; Kay, S. A.; Itami, K.; Kinoshita, T.; [Yamaguchi, J.\\*](#); Nakamichi, N.\*

- Proc Natl Acad Sci USA* **2019**, *116*, 11528-11536.
14. "Synthesis of Octaaryl Naphthalenes and Anthracenes with Different Substituents"  
Suzuki, S.; Itami, K.\*; [Yamaguchi, J.\\*](#)  
*Angew. Chem., Int. Ed.* **2017**, *56*, 15010-15013.
  15. "Cross-coupling of Aromatic Esters and Amides"  
Takise, R.; Muto, K.; [Yamaguchi, J.\\*](#)  
*Chem. Soc. Rev.* **2017**, *46*, 5864-5888 (Review).
  16. "Rh-catalyzed Regiodivergent Hydrosilylation of Acyl Aminocyclopropanes Controlled by Monophosphine Ligands"  
Kondo, H.; Itami, K.; [Yamaguchi, J.\\*](#)  
*Chem. Sci.* **2017**, *8*, 3799-3803.
  17. "Decarbonylative Diaryl Ether Synthesis by Pd and Ni Catalysis"  
Takise, R.; Isshiki, R.; Muto, K.; Itami, K.\*; [Yamaguchi, J.\\*](#)  
*J. Am. Chem. Soc.* **2017**, *139*, 3340-3343.
  18. "C-H Arylation and Alkenylation of Imidazoles by Nickel Catalysis: Solvent-accelerated Imidazole C-H Activation"  
Muto, K.; Hatakeyama, T.; [Yamaguchi, J.\\*](#); Itami, K.\*  
*Chem. Sci.* **2015**, *6*, 6792-6798.
  19. "Decarbonylative Organoboron Cross-coupling of Esters by Nickel Catalysis"  
Muto, K.; [Yamaguchi, J.\\*](#); Musaev, D. G.\*; Itami, K.\*  
*Nature Commun* **2015**, *6*, 7508.
  20. C-H Activation Generates Period-Shortening Molecules That Target Cryptochrome in the Mammalian Circadian Clock"  
Oshima, T.; Yamanaka, I.; Kumar, A.; [Yamaguchi, J.](#); Nishiwaki Ohkawa, T.; Muto, K.; Kawamura, R.; Hirota, T.; Yagita, K.; Irle, S.; Kay, S. A.; Yoshimura, T.\*; Itami, K.\*  
*Angew. Chem., Int. Ed.* **2015**, *54*, 7193-7197.
  21. "Synthesis and Characterization of Hexaarylbenzenes with Five or Six Different Substituents Enabled by Programmed Synthesis"  
Suzuki, S.; Segawa, Y.; Itami, K.\*; [Yamaguchi, J.\\*](#)  
*Nature Chem.* **2015**, *7*, 227-233.
  22. "Concise Syntheses of Dictyodendrins A and F by a Sequential C-H Functionalization Strategy"  
Yamaguchi, A. D.; Chepiga, K. M.; [Yamaguchi, J.\\*](#); Itami, K.\*; Davies, H. M. L.  
*J. Am. Chem. Soc.* **2015**, *137*, 644-647.
  23. "Stereodivergent Synthesis of Arylcyclopropylamines by Sequential C-H Borylation and Suzuki-Miyaura Coupling"  
Miyamura, S.; Araki, M.; Suzuki, T.; [Yamaguchi, J.\\*](#); Itami, K.\*  
*Angew. Chem., Int. Ed.* **2015**, *54*, 846-851.
  24. "Key Mechanistic Features of the Ni-catalyzed C-H/C-O Biaryl Coupling with Azoles and NaphthalenylPivalates"  
Xu, H. Muto, K.; [Yamaguchi, J.](#); Itami, K.\*; Musaev, D.G.\*  
*J. Am. Chem. Soc.* **2014**, *136*, 14834-14844.
  25. "β-Selective C-H Arylation of Pyrroles: Leading to Concise Syntheses of Lamellarins C and I"  
Ueda, K.; Amaike, K.; Maceiczky, R. M.; Itami, K.\*; [Yamaguchi, J.\\*](#)  
*J. Am. Chem. Soc.* **2014**, *136*, 13226-13232.
  26. "Ni-Catalyzed α-Arylation of Ketones with Phenol Derivatives"  
Takise, R.; Muto, K.; [Yamaguchi, J.\\*](#); Itami, K.\*  
*Angew. Chem., Int. Ed.* **2014**, *53*, 6791-6794.
  27. "Aromatic C-H Coupling with Hindered Arylboronic Acids by Pd/Fe Dual Catalysts"  
Yamaguchi, K.; Kondo, H.; [Yamaguchi, J.\\*](#); Itami, K.\*  
*Chem. Sci.* **2013**, *4*, 3753-3757.
  28. "Isolation, Structure, and Reactivity of an Arylnickel(II) Pivalate Complex in Catalytic C-H/C-O Biaryl Coupling"  
Muto, K.; [Yamaguchi, J.\\*](#); Lei, A.\*; Itami, K.\*  
*J. Am. Chem. Soc.* **2013**, *135*, 16384-16387.

29. "C–H Alkenylation of Azoles with Enols and Esters by Nickel Catalysis"  
Lingkui, M.; Kamada, Y.; Muto, K.; [Yamaguchi, J.](#)\*; Itami, K.\*  
*Angew. Chem., Int. Ed.* **2013**, 52, 38, 10048–10051.
30. "Aromatic C–H Coupling with Hindered Arylboronic Acids by Pd/Fe Dual Catalysts"  
Yamaguchi, K.; Kondo, H.; [Yamaguchi, J.](#)\*; Itami, K.\*  
*Chem. Sci.* **2013**, 4, 3753–3757.
31. "C–H Bond Functionalization: Emerging Synthetic Tools for the Synthesis of Natural Products and Pharmaceuticals"  
[Yamaguchi, J.](#)\*; Yamaguchi, A. D.; Itami, K.\*  
*Angew. Chem., Int. Ed.* **2012**, 51, 8960–9009 (Review).
32. "Decarbonylative C–H Coupling of Azoles and Aryl Esters: Unprecedented Nickel Catalysis and Application to the Synthesis of Muscoride A"  
Amaike, K.; Muto, K.; [Yamaguchi, J.](#)\*; Itami, K.\*  
*J. Am. Chem. Soc.* **2012**, 134, 13573–13576.
33. "Nickel-Catalyzed C–H/C–O Coupling of Azoles with Phenol Derivatives"  
Muto, K.; [Yamaguchi, J.](#); Itami, K.\*  
*J. Am. Chem. Soc.* **2012**, 134, 169–172.
34. "Synthesis of Dragmacidin D via Direct C–H Couplings"  
Mandal, D.; Yamaguchi, A. D.; [Yamaguchi, J.](#)\*; Itami, K.\*  
*J. Am. Chem. Soc.* **2011**, 133, 19660–19663.

**Under revision, submitted and to be submitted**

## Full publications

### Published on Preprint Server

1. “Aryl Dance Reaction of Arylheteroles”  
Nakahara, H; Yamaguchi, J.  
*Chem Rxiv* 2022, preprint DOI: [10.26434/chemrxiv-2022-bl6rx](https://doi.org/10.26434/chemrxiv-2022-bl6rx)
2. “Synthesis and Properties of Palladium-Triazolopyridinylidene: Catalyst for Cross-Coupling Using Chloroarenes and Nitroarenes”  
Iizumi, K.; Nakayama, K. P.; Kato, K.; Muto, K.\*; [Yamaguchi, J.\\*](#)  
*Chem Rxiv* 2022, preprint DOI: [10.26434/chemrxiv-2022-qs9s9](https://doi.org/10.26434/chemrxiv-2022-qs9s9)
3. “Activation of Alkyl Chlorides Enabled by Zirconocene and Photoredox Catalysis”  
Okita, T.; Aida, K.; Tanaka, K.; Ota, E.\*; [Yamaguchi, J.\\*](#)  
*Chem Rxiv* 2022, preprint DOI: [10.26434/chemrxiv-2022-5n811](https://doi.org/10.26434/chemrxiv-2022-5n811)
4. “Unified Synthesis of Multiply Arylated Alkanes by Catalytic Deoxygenative Transformation of Diarylketones”  
Kurosawa, M. B.; Kato, K.; Muto, K.; [Yamaguchi, J.\\*](#)  
*Chem Rxiv* 2022, preprint DOI: [10.26434/chemrxiv-2022-h1860](https://doi.org/10.26434/chemrxiv-2022-h1860)
5. “A unique small molecule pair controls the plant circadian clock”  
Uehara, T. N.; Takao, S.; Matsuo, H.; Saito, A.N.; Ota, E.; Ono, A.; Itami, K.; Kinoshita, T.; [Yamaguchi, J.\\*](#); Nakamichi, N.\*  
*BioRxiv* 2020, preprint DOI: [10.1101/2020.05.25.113746](https://doi.org/10.1101/2020.05.25.113746)

### Published on Journals

6. “Identification of  $\alpha$ -Synuclein Proaggregator: Rapid Synthesis and Streamlining RT-QuIC Assays in Parkinson’s Disease”  
Takada, F.; Kasahara, T.; Otake, K.; Maru, T.; Miwa, M.; Muto, K.; Sasaki, M.; Hirozane, Y.; Yoshikawa, M.\*; and [Yamaguchi, J.\\*](#)  
*ACS Med. Chem. Lett.* 2022, ASAP.
7. “Chemical biology to dissect molecular mechanisms underlying plant circadian clocks”  
Nakamichi, N.\* [Yamaguchi, J.](#); Sato, A.; Fujimoto, K. J. Ota, E.  
*New Phytologist* 2022, 235, 1336–1343.
8. “Pd-Catalyzed 1,4-Carboamination of Bromoarenes with Diazo Compounds and Amines”  
Wu, Q.; Muto, K.\*; [Yamaguchi, J.\\*](#)  
*Org. Lett.* 2022, 24, 4129–4134.  
[Most Read Article \(July, 2022\)](#)
9. “Palladium-Catalyzed Tandem Ester Dance/Decarbonylative Coupling Reactions”  
Kubo, M.; Inayama, N.; Ota, E.; [Yamaguchi, J.\\*](#)  
*Org. Lett.* 2022, 24, 3855–3860.  
[Most Read Article \(June, 2022\)](#)
10. “Decarbonylative Reductive Coupling of Aromatic Esters by Nickel and Palladium Catalyst”  
Peng, Y.; Isshiki, R.; Muto, K.; [Yamaguchi, J.\\*](#)  
*Chem. Lett.* 2022, 51, 749–753.
11. “Catalytic reductive ring opening of epoxides enabled by zirconocene and photoredox catalysis”  
Aida, K.; Hirao, M.; Funabashi, A.; Sugimura, N.; Ota, E.\*; [Yamaguchi, J.\\*](#)  
*Chem* 2022, 8, 1762–1774.  
[Highlighted in Nikkan Kogyo Shinbun](#)  
[Highlighted in Chem-Station](#)  
[Most Read Article \(July, 2022\)](#)
12. “Ring-Opening Fluorination of Isoxazoles”  
Komatsuda, M.; Ohki, H.; Kondo Jr, H.; Suto, A.; [Yamaguchi, J.\\*](#)  
*Org. Lett.* 2022, 24, 3270–3274
13. “Formal Syntheses of Dictyodendrins B, C, and E by a Multi-substituted Indole Synthesis”  
Kabuki, A; Yamaguchi, J.

**Synthesis** 2022, Just Accepted.

14. "Pd-Catalyzed Asymmetric Dearomative Arylation of Indoles via a Desymmetrization Strategy"  
Nie, Y.-H.; Komatsuda, M.; Yang, P.; Zheng, C.; [Yamaguchi, J.](#); You, S.-L.\*  
**Org. Lett.** 2022, 24, 1481–1485.
15. "Phosphorylation of RNA Polymerase II by CDKC2 Maintains the Arabidopsis Circadian Clock Period"  
Uehara, T. N.; Nonoyama, T.; Taki, K.; Kuwata, K.; Sato, A.; Fujimoto, K.J.; Hirota, T.; Matsuo, H.; Ono, A.; Takahara, T. T.; Tsutsui, H.; Suzuki, T.; Higashiyama, T.; Yanai, T.; Kay, S. A., Itami, K.; Kinoshita, T.; [Yamaguchi, J.\\*](#); Nakamichi, N.\*  
**Plant Cell Physiol**, 2022, 63, 450–462.
16. "Ring-Opening Fluorination of Bicyclic Azaarenes"  
Komatsuda, M.; Suto, A.; Kondo Jr. H.; Takada, H.; Kato, K.; Saito, M.; Yamaguchi, J.  
**Chem. Sci.** 2022, 13, 665–670.  
Selected as Cover picture
17. "Fluorination –A Decade of Progress (2010-2020)"  
Suto, S.; [Yamaguchi, J.\\*](#)  
**J. Synth. Org. Chem. Jpn.** 2021, 79, 910–967 (Review).
18. "Convergent Azaspirocyclization of Bromoarenes with NTosylhydrazones by a Palladium Catalyst"  
Yanagimoto, A.;Uwabe,Yota.; Wu, Q.; Muto, K.\*; [Yamaguchi, J.\\*](#)  
**ACS Catal.** 2021, 11, 10429–10435.  
Selected as Cover picture  
Most Read Article (Aug, 2021)
19. "Ni-Catalyzed Aryl Sulfide Synthesis through an Aryl Exchange Reaction"  
Isshiki, R.; Kurosawa, M. B.; Muto, K.; [Yamaguchi, J.\\*](#)  
**J. Am. Chem. Soc.** 2021, 143, 10333–10340.  
Most Read Article (July, 2021)  
Highlighted in Nikkan Kogyo Shinbun
20. "Development of Pd-Catalyzed Denitrative Couplings"  
Asahara, K.; Kashiwara, M. Muto, K.; Nakao, Y.\*; [Yamaguchi, J.\\*](#)  
**J. Synth. Org. Chem. Jpn.** 2021, 79, 11–21.
21. "Synthesis of Decaarylanthracene with Nine Different Substituents"  
Asako, T.; Suzuki, S.; Tanaka, S.; Ota, E.; [Yamaguchi, J.](#)  
**J. Org. Chem.** 2020, 85, 15437–15448.  
Most Read Article (Nov, 2020)  
Highlighted in Synfacts
22. "Decarbonylative Synthesis of Aryl Nitriles from Aromatic Esters and Organocyanides by a Nickel Catalyst"  
Iizumi, K.; Kurosawa, M. B.; Isshiki, R.; Muto, K.; Yamaguchi, J.  
**Synlett** 2020, eFirst.  
Published as part of the Cluster Nickel Catalysis (Invited contribution).
23. Transition-Metal-Catalyzed Denitrative Coupling of Nitroarenes  
Muto, K.; Okita, T.; [Yamaguchi, J.\\*](#)  
**ACS Catal.** 2020, 10, 9856–9871. (Review)  
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24. "Catalytic Three-component C–C Bond Forming Dearomatization of Bromoarenes with Malonates and Diazo Compounds"  
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25. "Ester Dance Reaction on the Aromatic Ring"  
Matsushita, K.; Takise, R.; Muto, K.; [Yamaguchi, J.\\*](#)  
**Science Advances** 2020, 6, eaba7614.  
Highlighted in C&EN, Chemical Daily, Azo Materials
26. "σ-Bond Hydroboration of Cyclopropanes"  
Kondo H.; Miyamura, S.; Matsushita, K.; Kato, H.; Kobayashi, C.; Arifin; Itami, K.; Yokogawa, D.\*; [Yamaguchi, J.\\*](#)

- J. Am. Chem. Soc.** **2020**, *142*, 11306–11313.  
 Highlighted in newspaper(Chemicadaily) and news media (Chemistry Views)  
 Most Read Article (June, 2020)  
 Highlighted in newspaper (Chemicadaily) and news media (Chemistry Views)
27. “Synthesis of A Pentaarylcarbazole: Installation of Different Aryl Groups on Benzenoid Moiety”  
 Tannaka, K.; Asako, T.; Ota, E.; [Yamaguchi, J.\\*](#)  
**Chem Lett.** **2020**, *49*, 918–920.
28. “Solvent Selection Scheme Using Machine Learning Based on Physicochemical Description of Solvent Molecules: Application to Cyclic Organometallic Reaction”  
 Fujinami, M.; Maekawara, H.; Isshiki, R.; Seino, J.; [Yamaguchi, J.](#); Nakai, H.\*  
**Bull. Chem. Soc. Jpn** **2020**, *93*, 841–845.
29. “Catalytic Deoxygenative Coupling of Aromatic Esters with Organophosphorus Compounds”  
 Kurosawa, M. B.; Isshiki, R.; Muto, K.; [Yamaguchi, J.\\*](#)  
**J. Am. Chem. Soc.** **2020**, *142*, 7386–7392.  
 Most Read Article (May, 2020)  
 Highlighted in newspaper(Chemicadaily)
30. “Pd-Catalyzed C4-Dearomative Allylation of Benzyl Ammoniums with Allyltributylstannane”  
 Kayashima, Y.; Komatsuda, M.; Muto, K.;\* [Yamaguchi, J.\\*](#)  
**Chem Lett.** **2020**, *49*, 836–839.  
 Selected as an Editor’s Choice  
 Selected as an inside cover
31. “Dearomative Allylation of Naphthyl Cyanohydrins by Palladium Catalysis: Catalyst-Enhanced Site Selectivity”  
 Yanagumoto, A.; Komatsuda, M.; Muto, K.;\* [Yamaguchi, J.\\*](#)  
**Org. Lett.** **2020**, *22*, 3423–3427.
32. “Palladium-Catalyzed Mizoroki–Heck Reaction of Nitroarenes and Styrene Derivatives”  
 Okita, T.; Asahara, K. K.; Muto, K.; [Yamaguchi, J.\\*](#)  
**Org. Lett.** **2020**, *22*, 3205–3208.  
 Most Read Article (May, 2020)
33. “Ester Transfer Reaction of Aromatic Esters with Haloarenes and Arenols by a Nickel Catalyst”  
 Isshiki, R.; Inayama, N.; Muto, K.; [Yamaguchi, J.\\*](#)  
**ACS Catal.** **2020**, *10*, 3490–3494.  
 Most Read Article (March and April 2020)  
 Highlighted in NikkeiSangyo Shinbun, Chemical Daily
34. “Pd-Catalyzed Denitrative Intramolecular C–H Arylation”  
 Asahara, K. K.; Okita, T.; Saito, A. N. Muto, K.; Nakao, Y.; [Yamaguchi, J.\\*](#)  
**Org. Lett.** **2019**, *21*, 4721–4724.
35. “Generation of Strong Casein Kinase 1 Inhibitor of Arabidopsis Thaliana”  
 Saito, A. N.; Matsuo, H.; Kuwata, K.; Ono, A.; Kinoshita, T.; [Yamaguchi, J.\\*](#); Nakamichi, N.\*  
**Plant Direct** **2019**, *3*, e00172.
36. “Pd-Catalyzed Alkenyl Thioether Synthesis from Thioesters and N-Tosylhydrazones”  
 Ishitobi, K.; Muto, K.; [Yamaguchi, J.\\*](#)  
**ACS Catal.** **2019**, *9*, 11685–11690.
37. “Pd-Catalyzed Dearomative Three-Component Reaction of Bromoarenes with Diazo Compounds and Allylborates”  
 Komatsuda, M.; Kato, H.; Muto, K.;\* [Yamaguchi, J.\\*](#)  
**ACS Catal.** **2019**, *9*, 8991–8995.  
 Most Read Article (September 2019)
38. “Pd-Catalyzed Denitrative Intramolecular C–H Arylation”  
 Asahara, K. K.; Okita, T.; Saito, A. N. Muto, K.; Nakao, Y.; [Yamaguchi, J.\\*](#)  
**Org. Lett.** **2019**, *21*, 4721–4724.
39. “Casein Kinase 1 Family Regulates PRR5 and TOC1 in the Arabidopsis Circadian Clock”  
 Uehara, T. N.; Mizutani, Y.; Kuwata, K.; Hirota, T.; Sato, A.; Mizoi, J.; Takao, S.; Matsuo, H.; Suzuki, T.; Ito, S.;

Saito, A. N.; Nishiwaki Ohkawa, T.; Yamaguchi-Shinozaki, K.; Yoshimura, T.; Kay, S. A.; Itami, K.; Kinoshita, T.; Yamaguchi, J.\*; Nakamichi, N.\*

*Proc Natl Acad Sci USA* **2019**, *116*, 11528-11536.

Highlighted in Chunichi Shinbun

40. "Cell-based Screen Identifies a New Potent and Highly Selective CK2 Inhibitor for Modulation of Circadian Rhythms and Cancer Cell Growth"  
Oshima, T.; Niwa, Y.; Kuwata, K.; Srivastava, A.; Hyoda, T.; Tsuchiya, Y.; Kumagai, M.; Tsuyuguchi, M.; Tamaru, T.; Sugiyama, A.; Ono, N.; Zolboot, N.; Aikawa, Y.; Oishi, S.; Nonami, A.; Arai, F.; Hagihara, S.; Yamaguchi, J.; Tama, F.; Kunisaki, Y.; Yagita, K.; Ikeda, M.; Kinoshita, T.; Kay, S. A.; Itami, K.; Hirota, T.\*  
*Science Advances* **2019**, *5*, eaau9060.
41. "Studying Abroad Led to New Friendships and New Research Directions"  
Yamaguchi, J.\*  
*Yakugaku zasshi* **2019**, *139*, 229-233.
42. "Pd-Catalyzed Dearomative Allylation of Benzyl Phosphates"  
Komatsuda, M. Muto, K.\*; Yamaguchi, J.\*  
*Org. Lett.* **2018**, *20*, 4354-4357.
43. "Synthesis of A Heptaarylisquinoline: Unusual Disconnection for Constructing Isoquinoline Frameworks"  
Asako, T.; Suzuki, S.; Itami, K.; Muto, K.; Yamaguchi, J.\*  
*Chem. Lett.* **2018**, *47*, 968-970.  
Selected as an Editor's Choice  
Selected as a Front Cover
44. "Dibenzofuran Synthesis: Decarbonylative Intramolecular C-H Arylation of Aromatic Esters"  
Okita, T.; Komatsuda, M.; Saito, A. N.; Hisada, T.; Takahara, T. T.; Nakayama, K. P.; Isshiki, R.; Takise, R.; Muto, K.; Yamaguchi, J.\*  
*Asian J. Org. Chem.* **2018**, *7*, 1358-1361.  
Invitation to Contribute to a Special Issue: C-H Activation
45. "Decarbonylative Methylation of Aromatic Esters by a Nickel Catalyst"  
Okita, T.; Muto, K.; Yamaguchi, J.\*  
*Org. Lett.* **2018**, *20*, 3132-3135.  
Highlighted in Synfacts
46. "Modular Synthesis of Heptaaryllindole"  
Suzuki, S.; Asako, T.; Itami, K.; Yamaguchi, J.\*  
*Org. Biomol. Chem.* **2018**, *16*, 3771-3776.
47. "Pd-Catalyzed Decarbonylative C-H Coupling of Azoles and Aromatic Esters"  
Matsushita, K.; Takise, R.; Hisada, T.; Suzuki, S.; Isshiki, R.; Itami, K.; Muto, K.; Yamaguchi, J.\*  
*Chem Asian. J.* **2018**, *13*, 2393-2396.  
Invitation to Contribute to a Special Issue: Homogeneous Catalysis from Young Investigators in Asia
48. "Decarbonylative Coupling Reaction of Aromatic Esters"  
Isshiki, R.; Okita, T.; Muto, K.; Yamaguchi, J.\*  
*J. Synth. Org. Chem. Jpn.* **2018**, *76*, 300-314 (Review).
49. "Decarbonylative Aryl Thioether Synthesis by Ni Catalysis"  
Ishitobi, K.; Isshiki, R.; Asahara, K. K.; Lim, C.; Muto, K.; Yamaguchi, J.\*  
*Chem. Lett.* **2018**, *47*, 756-759.
50. "Decarbonylative C-P Bond Formation using Aromatic Esters and Organophosphorus Compounds"  
Isshiki R.; Muto, K.; Yamaguchi, J.\*  
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