

Original Articles

- 1. Development of Intramolecular Charge Transfer-Type NIR Fluorescent Dyes Bearing a Pyrazino[2,3-b]quinoxaline-Based Electron Acceptor**
M. Nagaoka, [N. Suzuki](#), S. Kodama, T. Maeda, D. Sakamaki, H. Fujiwara, T. Omine, A. Saeki, S. Yagi*
Chem. Asian J. **2026**, *21*, e70787.
- 2. Development of New Pyridinium–Cyclic Enolate Betaine Dyes With the Planarized Intramolecular Charge Transfer Behavior**
R. Miyazaki, [N. Suzuki](#)*, T. Maeda, S. Kodama, S. Yagi*
ChemPhotoChem, **2026**, *10*, e202500315.
- 3. Photo- and Electroluminescence of *N,N*-Diphenylaminophenyl–Quinoxaline Donor–Acceptor-Type Dyes: Electronic Impacts of Electron-Withdrawing Ability of the Acceptor Unit**
M. Nagaoka, K. Ueda, H. Chihara, [N. Suzuki](#), S. Kodama, T. Maeda, S. Yagi*
Asian J. Org. Chem. **2025**, *14*, e00364.
- 4. Synthesis and Electronic Properties of Novel Donor– π –Acceptor-Type Functional Dyes with a Carbonyl-Bridged Bithiophene π -Spacer**
M. Ueda, R. Nagayama, M. Nagaoka, [N. Suzuki](#), S. Kodama, T. Maeda, S. Kato, S. Yagi*
Molecules, **2025**, *30*, 3084.
- 5. Croconaine dyes with intermediate diradical character exhibiting intense one- and two-photon absorption in the short-wavelength infrared region**
T. Oka, T. Maeda*, D. Sakamaki, H. Fujiwara, [N. Suzuki](#), S. Kodama, S. Yagi, L. Mauri, K. Kamada*
J. Mater. Chem. C, **2025**, *13*, 11970–11978.
- 6. Intermediate diradical character and thermal *cis*–*trans* isomerization of near-infrared absorbing thionated squaraine dyes**
T. Oka, T. Maeda*, D. Sakamaki, [N. Suzuki](#), S. Yagi, S. Kodama, H. Fujiwara*
Org. Chem. Front. **2025**, *12*, 42–47.

- 7. Near-Infrared Fluorescence of Novel Pyridinium–Cyclic Enolate Betaine Dyes π -Expanded by Condensed Cyclic Thiophene Spacers**
N. Suzuki*, M. Saikusa, T. Maeda, S. Yagi*, S. Akiyama
ChemPhotoChem, **2024**, *8*, e202400086.
- 8. Halochromism of 2-indolinone fluorophore based on the deprotonation of an acidic C–H bond**
N. Suzuki*, K. Yagi, T. Maeda, S. Kodama, S. Yagi*
Chem. Lett. **2024**, *53*, upae186.
- 9. Synthesis, Photoluminescence, and Electroluminescence of Phosphorescent Dipyrido[3,2-*a*;2'3'-*c*]phenazine–Platinum(II) Complexes Bearing Hole-Transporting Acetylide Ligands**
H. Matsuura, N. Okamura, M. Nagaoka, N. Suzuki, S. Kodama, T. Maeda, S. Yagi*
Molecules, **2024**, *29*, 3849.
- 10. Development of Intramolecular Exciton-Coupled Bis-Squaraine Dyes for Application to Near-Infrared Organic Photodetectors**
R. Sawada, R. Hama, S. Kinoshita, T. Maeda*, N. Suzuki, S. Yagi
J. Jap. Soc. Colour Mater. **2024**, *97*, 94–102.
- 11. Water Detection in Organic Solvents Using a Copolymer Membrane Immobilized with a Fluorescent Intramolecular Charge Transfer-Type Dye: Effects of Intramolecular Hydrogen Bonds**
A. Morimoto, K. Shimizu, N. Suzuki, S. Yagi, K. Sueyoshi, T. Endo, H. Hisamoto*
Analysts, **2024**, *149*, 1939–1946.
- 12. Squaraine Appended with Benzodipyrrole for Fluorescent Sensing of Methanol: Exciton Coupling Controls Photophysical Properties**
R. Sawada, C. Govind, T. Maeda*, N. Suzuki, S. Yagi, V. Karunakaran*, A. Ajayaghosh*
Chem. Asian J. **2023**, *18*, e202300868.
- 13. One-Photon and Two-Photon Absorption Properties of Multi-Branched Squaraine Dyes Comprised of Triphenylamine Cores and Ethynylene Linkers**
T. V. Nguyen, T. Maeda*, T. Matsuyama, N. Suzuki, H. Nakazumi, S. Yagi, A. Ajayaghosh*

ChemPhotoChem, **2023**, 7, e202300152.

14. Development of novel deep-red/near-infrared fluorescent dyes based on a pyridinium–cyclic enolate betaine skeleton

N. Suzuki^{*}, M. Saikusa, Y. Hayashi, T. Maeda, S. Yagi^{*}

Dyes Pigm. **2023**, 216, 111291.

15. Unveiling a new aspect of oxocarbons: open-shell character of 4- and 5-membered oxocarbon derivatives showing near-infrared absorption

T. Maeda^{*}, T. Oka, D. Sakamaki, H. Fujiwara, N. Suzuki, S. Yagi, T. Konishi, K. Kamada^{*}

Chem. Sci. **2023**, 14, 1978–1985.

16. De novo Creation of a Naked Eye-Detectable Fluorescent Molecule Based on Quantum Chemical Computation and Machine Learning

M. Sumita^{*}, K. Terayama, N. Suzuki, S. Ishihara, R. Tamura, M. K. Chahal, D. T. Payne, K. Yoshizoe, K. Tsuda^{*}

Sci. Adv. **2022**, 8, eabj3906.

17. Photobase-Driven Excited-State Intramolecular Proton Transfer (ESIPT) in a Strapped π -Electron System

N. Suzuki, T. Kubota, N. Ando, S. Yamaguchi^{*}

Chem. Eur. J. **2022**, 28, e202103584.

18. Synthesis and Photophysical Properties of Photostable 1,8-Naphthalimide Dyes Incorporating Benzotriazole-Based UV Absorbers

T. Uesaka^{*}, T. Ishitani, T. Shimeno, N. Suzuki, S. Yagi, T. Maeda^{*}

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19. Photophysical Properties of 4-(5-Methylthiophen-2-yl)pyridinium–Cyclic Enolate Betaine Dyes Tuned by Control of Twisted Intramolecular Transfer

Y. Hayashi, N. Suzuki^{*}, T. Maeda, H. Fujiwara, S. Yagi^{*}

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20. A Near-Infrared Emissive π -Conjugated Polymer Consisting of an Excited-State Intramolecular Proton Transfer Unit

N. Suzuki, M. Wakioka, F. Ozawa, S. Yamaguchi^{*}

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21. Near Infrared Two-Photon-Excited and -Emissive Dyes Based on a Strapped Excited-State Intramolecular Proton-Transfer (ESIPT) Scaffold

N. Suzuki, K. Suda, D. Yokogawa, H. Kitoh-Nishioka, S. Irle, A. Ando, L. M. G. Abegão, K. Kamada*, A. Fukazawa, S. Yamaguchi*
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22. Pyridyl Directed Catalyst-Free *trans*-Hydroboration of Internal Alkynes

K. Yuan, N. Suzuki, S. K. Møllerup, X. Wang, S. Yamaguchi, S. Wang*
Org. Lett. **2016**, *18*, 720–723.

23. A Biphenyl Containing Two Electron-Donating and Two Electron-Accepting Moieties: A Rigid and Small Donor-Acceptor-Donor Ladder System

T. W. Greulich, N. Suzuki, C. G. Daniliuc, A. Fukazawa, E. Yamaguchi, A. Studer*, S. Yamaguchi*
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24. A Strap Strategy for Construction of an Excited-State Intramolecular Proton Transfer (ESIPT) System with Dual Fluorescence

N. Suzuki, A. Fukazawa, K. Nagura, S. Saito, H. Kitoh-Nishioka, D. Yokogawa, S. Irle*, S. Yamaguchi*
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