

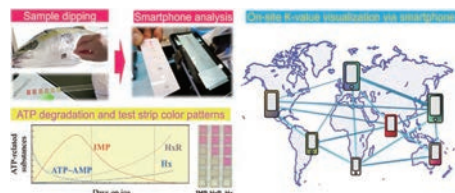
Accounts and Reviews | BCSJ 100th Anniversary Collection
Free Access

Keywords: K-value | rapid-sensing technologies | seafood freshness
Evolution of freshness indicators and rapid sensing technologies for seafood: toward a global platform for quality evaluation

Yusuke Fuchiwaki* and Takeya Yoshioka

Bull. Chem. Soc. Jpn. 2026, 99, No. 7, uoag086

doi:10.1093/bulcsj/uoag086



BCSJ Award Article | Open Access

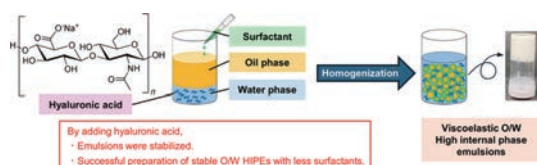
Keywords: high internal phase emulsions | hyaluronic acid | stabilizer for emulsion

Preparation of high internal phase emulsions utilizing hyaluronic acid and elucidation of its structure-stabilizing effect

Yuta Shishido, Takuya Sagawa, and Mineo Hashizume*

Bull. Chem. Soc. Jpn. 2026, 99, No. 7, uoag083

doi:10.1093/bulcsj/uoag083



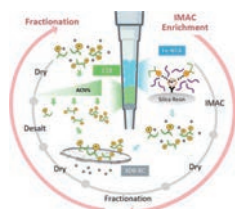
BCSJ 100th Anniversary Collection

Keywords: mass spectrometry | phosphoproteomics | UniPhos Tip
UniPhos Tip: a streamlined StageTip for deep phosphoproteomic profiling of low input sample

Irene-Ya Tai, Shen-Shian Chan, and Yu-Ju Chen*

Bull. Chem. Soc. Jpn. 2026, 99, No. 7, uoag084

doi:10.1093/bulcsj/uoag084



Selected Paper

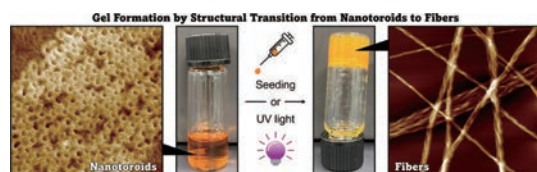
Keywords: photoresponsive materials | self-assembly | supramolecular polymers

Metastable azobenzene nanotoroids as kinetic reservoirs for seeded and photoinduced gelation

Natsuki Suda, Sougata Datta, Hiroki Hanayama, Takashi Kajitani, and Shiki Yagai*

Bull. Chem. Soc. Jpn. 2026, 99, No. 7, uoag090

doi:10.1093/bulcsj/uoag090



Keywords: exchange reaction | H-D | micelle interface

The catalyzed H-D exchange reactions at the negatively or positively charged interfaces of aqueous micelles of the 2 surfactants with succinate and *n*-alkyl chain segments and anionic or cationic polar groups: ^1H and ^{13}C NMR studies of the exchange mechanism and charge effect

Yozo Komada, Akihiro Yoshino, Hiro-Fumi Okabayashi,* and

Charmian J O'Connor

Bull. Chem. Soc. Jpn. 2026, 99, No. 7, uoag081

doi:10.1093/bulcsj/uoag081

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Keywords: deprotection | fluorosolvent | PMB

Fluorous solvent-promoted deprotection of *p*-methoxybenzyl- and 2,4-dimethoxyphenylmethyl-protected alcohols with camphorsulfonic acid

Misa Matsumura, Hiroko Kawasaki, Norihiko Yamagami, Kaho Izumi,

Toshiya Yoshimizu, Tatsuya Katagiri, Akira Nakamura, Yasuyoshi Miki,

Junpei Matsuoka, and Tomohiro Maegawa*

Bull. Chem. Soc. Jpn. 2026, 99, No. 7, uoag085

doi:10.1093/bulcsj/uoag085

Open Access

Keywords: cross-coupling | cyanine | rotaxane

Post-functionalization of rotaxane-type cyanine dyes via cross-coupling reactions

Huimin Zhang, Yoichi Masui,* Hiroshi Masai, and Jun Terao*

Bull. Chem. Soc. Jpn. 2026, 99, No. 7, uoag088

doi:10.1093/bulcsj/uoag088

Keywords: crystalline temperature-responsive compound | germanium complex | x-ray structural analysis

Water-soluble crystalline germanium complex with lower critical solution temperature transition

Katsuyuki Sato,* Haruhiko Fukaya, Yasuhiro Shimada, Takae Nagasawa,

Junya Azumi, and Takashi Nakamura

Bull. Chem. Soc. Jpn. 2026, 99, No. 7, uoag087

doi:10.1093/bulcsj/uoag087

Keywords: cellulose | macroporous hydrogel | *N*-isopropylacrylamide
Poly(*N*-isopropylacrylamide)-grafted macroporous cellulose hydrogels for thermoresponsive oil uptake and release

Qianying Li, Akihito Sugawara,* and Hiroshi Uyama*

Bull. Chem. Soc. Jpn. 2026, 99, No. 7, uoag089

doi:10.1093/bulcsj/uoag089

Keywords: combiG4 | fluorescent probe | *N*-methyl mesoporphyrin IX (NMM)

N-methyl mesoporphyrin IX as a fluorescent probe for RNA/DNA complemented binary G-quadruplex recognition

Mahiro Ohtani, Tomoki Kida, Yua Hasegawa, Ayu Matsumoto, Miko Kato,

Ririka Taniguchi, Hiroshi Sugiyama,* Toshihiro Ihara,* Shin-ichi Sato,* and

Yousuke Katsuda*

Bull. Chem. Soc. Jpn. 2026, 99, No. 7, uoag082

doi:10.1093/bulcsj/uoag082

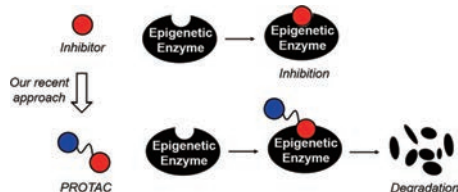
Highlight Review Free Access

Keywords: drug discovery | PROTAC | target protein degradation
From inhibition to degradation: proteolysis-targeting chimeras for epigenetic enzymes in modern drug discovery

Shengwang Yu, Yukihiro Itoh,* and Takayoshi Suzuki*

Chem. Lett. 2026, 55, No. 7, upag134

doi:10.1093/chemle/upag134



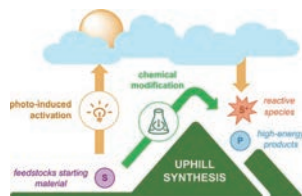
Highlight Review Free Access

Keywords: chemical modification | photo-induced activation | uphill synthesis
The climb: energy-input strategies toward uphill synthesis

Aira Shayne Paculba, Radyn Vanessa Phaz P. Tapales, and Hsuan-Hung Liao*

Chem. Lett. 2026, 55, No. 7, upag131

doi:10.1093/chemle/upag131



Editor's Choice Free Access

Keywords: flexibility | metal-organic frameworks | particle assembly
Surfactant-assisted fabrication of particle assemblies for altering the adsorption-induced structural changes of flexible metal-organic frameworks

Kohei Negita, Shinpei Kusaka, Hiroaki Iguchi, and Ryotaro Matsuda*

Chem. Lett. 2026, 55, No. 7, upag065

doi:10.1093/chemle/upag065



Keywords: luminescent radical | doublet excited state | naphthalene
Naphthalene-attached luminescent radicals: investigation of position-dependent photophysical properties

Kanako Takeyama, Kosuke Anraku, Kenshiro Matsuda, Yuki Akanuma, Dinar Abdullin, Sabine Richert, Hajime Nakanotani, Takuya Hosokai,* and Ken Albrecht*

Chem. Lett. 2026, 55, No. 7, upag133

doi:10.1093/chemle/upag133

Keywords: cellulose | cyclodextrin | host-guest interaction
Interchangeable thermoresponsive behavior of adamantane-modified cellulose through cyclodextrin complexation

Sooyeon Noh, Akihide Sugawara,* Yoshinori Takashima, and Hiroshi Uyama*

Chem. Lett. 2026, 55, No. 7, upag138

doi:10.1093/chemle/upag138

Keywords: alcohol | alkoxylation | siloxane

Cleavage of Si–O–Si bonds with alcohols catalyzed by *p*-toluenesulfonic acid: synthesis of monoalkoxysilanes and computational mechanistic study

Nobuki Katayama, Yuuki Tanioka, Yuzuki Shinohara, Seiya Suzuki, Shinya Nakamura, Satoshi Maeda, and Yasushi Obora*

Chem. Lett. 2026, 55, No. 7, upag125

doi:10.1093/chemle/upag125

Keywords: decyanation | photocatalysis | silyl radical

Silyl radical-mediated photocatalytic decyanation of α -monosubstituted malononitriles

Yuto Yoshida, Shuichi Nakamura,* and Naoki Yasukawa*

Chem. Lett. 2026, 55, No. 7, upag139

doi:10.1093/chemle/upag139

Editor's Choice Free Access

Keywords: diazacorrole | N extrusion | ring contraction

Synthesis of phosphorus(V) complexes of dibenzo-5,10-diazacorroles via the *meso*-N extrusion of dibenzotriazaporphyrins

Kaori Kuwabara, Yuta Suzuki, Yoshifumi Kimura, Haruyuki Nakano, and Yoshihiro Matano*

Chem. Lett. 2026, 55, No. 7, upag130

doi:10.1093/chemle/upag130



Keywords: hydrophobized silica surface | interaction force | triblock copolymers

Interaction forces between hydrophobized surfaces with adsorbed layers of triblock copolymers evaluated by atomic force microscopy

Naoyuki Ishida,* Riho Harada, Ryota Kaji, and Koreyoshi Imamura

Chem. Lett. 2026, 55, No. 7, upag137

doi:10.1093/chemle/upag137

Keywords: diarylethene | photoreversible gel-sol transition | supramolecular gel

Photoresponsive supramolecular gel of a diarylethene derivative

Katsuyuki Murai, Satoshi Okada, Hiroki Hanayama, and Shiki Yagai*

Chem. Lett. 2026, 55, No. 7, upag135

doi:10.1093/chemle/upag135

Keywords: crystal engineering | fluorescence | high pressure
Suppressed aggregation-caused quenching and reversible piezochromic fluorescence in a chrysene derivative bearing triisopropylsilyl-diacetylene substituents

Ryusei Oketani,* Ryoya Kamiyama, Hikaru Tamagawa, Kaisei Niibori, and Ichiro Hisaki*

Chem. Lett. 2026, 55, No. 7, upag129

doi:10.1093/chemle/upag129

Keywords: antigen-presenting cells | solid-in-oil nanodispersion | transdermal immunization

Needle-free transdermal delivery of lipid-based ionic liquid-mediated laminarin-loaded solid-in-oil nanodispersion for enhanced antibody response

Md. Shahin Sarker, Yoshirou Kawaguchi, Rie Wakabayashi, Norihiro Kamiya, Muhammad Moniruzzaman, and Masahiro Goto*

Chem. Lett. 2026, 55, No. 7, upag127

doi:10.1093/chemle/upag127

Keywords: bacteriochlorin | metal–organic frameworks | photodynamic therapy

In situ produced bacteriochlorin ligand in mitochondria-targetable sub-70-nm MOFs for NIR-light-induced photodynamic therapy

Jinqi Bai, Yuxin Zhou, and Jinlou Gu*

Chem. Lett. 2026, 55, No. 7, upag117

doi:10.1093/chemle/upag117

Keywords: cellulose succinate | ionic interactions | monoamine assembly

Monoamine-induced supramolecular gelation of cellulose succinate via ionic complexation

Bharath Chandran, Jacqueline Lease, Wang Ruozhu, and Yoshito Andou*

Chem. Lett. 2026, 55, No. 7, upag136

doi:10.1093/chemle/upag136

Keywords: carboxylation | CO₂ reduction | Re complexes

Proximal functionalization of rhenium(I) bipyridine tricarbonyl complexes for photocatalytic CO₂ reduction and carboxylation

Phurinat Lorwongkamol, Yutaka Saga,* and Shigeyuki Masaoka*

Chem. Lett. 2026, 55, No. 7, upag132

doi:10.1093/chemle/upag132

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Keywords: carbon nitride | composite membrane | surface morphology

Carbon nitride-reduced graphene oxide nanosheets enable water permeation in macropore-suppressed polyvinylidene fluoride membranes

Zhaojun Fan, Takeru Nitta, Takafumi Kusunose, Qi Feng, and Shinobu Uemura*

Chem. Lett. 2026, 55, No. 7, upag128

doi:10.1093/chemle/upag128

Open Access

Keywords: Ryugu | transition metal elements | XAFS

Speciation of transition metal ions (Mn²⁺, Cu²⁺, and Zn²⁺) in the C-type asteroid Ryugu

Ayu Takemoto,* Tomohiro Ohno, Takahiro Kawai, Akiko Yamaguchi,

Yuma Enokido, Toru Yada, and Yoshio Takahashi*

Chem. Lett. 2026, 55, No. 7, upag122

doi:10.1093/chemle/upag122

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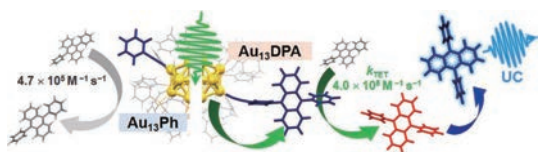
Keywords: gold nanocluster | photon upconversion | triplet-triplet annihilation

Boosting triplet fusion upconversion performance via triplet-mediator-decorated Au₁₃ nanoclusters

Masaaki Mitsui,* Kouta Yoshida, Ryuichi Oyaizu, and Kenji Kobayashi*

Chem. Lett. 2026, 55, No. 7, upag121

doi:10.1093/chemle/upag121



Keywords: cross-linking | polyester | transesterification

Introduction of polymerizable group at both ends of polyester and synthesis of network polymer containing polyester

Takayoshi Katoh, Ryouichi Okabayashi, Yoshihiro Ohta, and Tsutomu Yokozawa*

Chem. Lett. 2026, 55, No. 7, upag120

doi:10.1093/chemle/upag120

Open Access

Keywords: BiVO₄ | hydrogenation | photocatalyst

Hydrogenation of nitrobenzene to aniline through photocatalytic reduction over Pt/BiVO₄ under visible light

Kotomi Maruyama, Manami Hara, Daisuke Kozaki, Fumito Fujishiro, Shoya Oda,

Atsuhiko Tanaka, Hiroshi Kominami, Masataka Ohtani, Ayumu Onda, and

Kazuya Imamura*

Chem. Lett. 2026, 55, No. 7, upag115

doi:10.1093/chemle/upag115

Open Access

Keywords: excited-state control | fluorescent materials | π -conjugated amides

π -conjugation engineering of isoindolinone-based aryl amides enables highly efficient fluorescence via control of nonradiative pathways

Yuki Sawatari, Takuya Tanaka, Isao Azumaya, Toshifumi Mori, and

Gen-ichi Konishi*

Chem. Lett. 2026, 55, No. 7, upag123

doi:10.1093/chemle/upag123

Open Access

Keywords: composite membrane | nanoscale graphene oxide | surface morphology

One-pot preparation of smooth and water permeable nanosized graphene oxide/PVDF composite membranes via diamine-mediated interactions

Zhaojun Fan, Akimitsu Ichimori, Takafumi Kusunose, Qi Feng, and

Shinobu Uemura*

Chem. Lett. 2026, 55, No. 7, upag119

doi:10.1093/chemle/upag119

Keywords: ferroelectric columnar liquid crystal | photo-crosslinking | polymer film

Free-standing ferroelectric columnar liquid-crystalline polymer film

Haruhisa Sugimoto, Hiroto Endo, Michinari Kohri, and Keiki Kishikawa*

Chem. Lett. 2026, 55, No. 7, upag118

doi:10.1093/chemle/upag118

Keywords: glycan tag | peptide aggregation | protein semisynthesis

A continuous protection strategy using glycan tags to suppress aggregation of hydrophobic peptides

Yuta Maki, Youdong Yang, Junpei Abe, Ryo Okamoto, and Yasuhiro Kajihara*

Chem. Lett. 2026, 55, No. 7, upag116

doi:10.1093/chemle/upag116

Keywords: aryne intermediates | oxadiazinones | skeletal editing

Unusual skeletal editing of oxadiazinones with aryne intermediates

Kosuke Nagase, Yusei Yamamoto, and Suguru Yoshida*

Chem. Lett. 2026, 55, No. 7, upag124

doi:10.1093/chemle/upag124

Keywords: cast films | polyacetylene | thermochromic materials

Thermochromic behavior of aromatic polyester films blended with aromatic polyacetylene

Chiharu Takahashi, Haruki Ikushima, Yasuharu Kanda, and Yasuteru Mawatari*

Chem. Lett. 2026, 55, No. 7, upag126

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