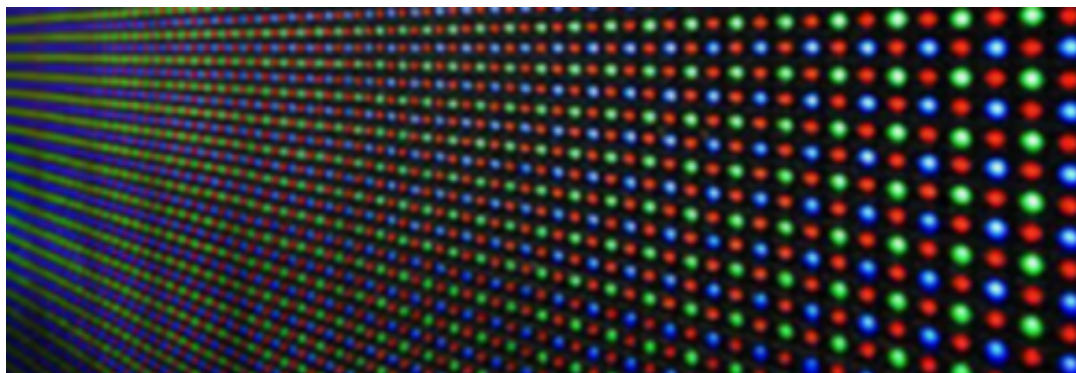




Making Connections:

The XLYNX Materials Newsletter

January 2025



Enabling the Future of Universal Photopatterning with Diazirine Crosslinkers

We're excited to spotlight a groundbreaking advancement in nanotechnology and materials science from the Journal of the American Chemistry Society: *"Direct Photopatterning of Colloidal Quantum Dots with Electron-Optimized Diazirine-Based Crosslinkers."*

This breakthrough addresses a critical challenge in quantum dot (QD) applications: achieving precise patterning without compromising their luminescent properties. QDs are integral to next-generation technologies, from full-color displays to hyperspectral imaging, but traditional photolithography methods disrupt their surface chemistry, limiting their potential.

XLYNX Materials' diazirine-based crosslinkers provide a transformative solution. By enabling resist-free photopatterning at resolutions exceeding 13,000 ppi while preserving QD performance, this innovation paves the way for universal photopatterning. It eliminates the need for photoresists and etchants, offering

unparalleled scalability, precision, and sustainability for applications like QLED displays, flexible electronics, and integrated photonics.

For a deeper dive into this innovative approach, we encourage you to visit our website by clicking [here](#).

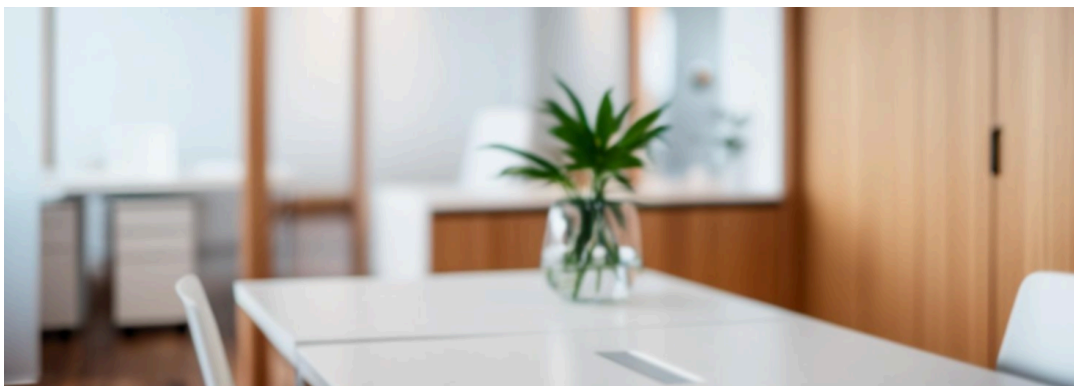


Scaling Up: Meeting the Moment

In December, XLYNX Materials hit a production milestone by manufacturing the largest batch of our small-molecule crosslinker yet.

With demand growing, we're scaling up production to meet your needs, while maintaining the quality and consistency you rely on.

Increased capacity also opens the door to exploring more competitive pricing, ensuring greater accessibility for our partners across numerous industries.



New Space for Innovation and a Growing Team

We're excited to share two significant updates that mark a new chapter for XLYNX Materials. First, we've welcomed new talent to our sales, marketing, and production

chemistry teams, strengthening our ability to support you with fresh expertise and innovative solutions.

Additionally, we have completed the move into a new office space—a milestone that reflects our growth and provides an ideal environment to drive innovation forward. These changes set the stage for us to continue pushing boundaries and collaborating with you to shape the future of materials science.

Missed an edition of *Making Connections*?

The newsletter archive is now available on our website. Check out what you missed!

[Newsletter Archive](#)

We're Here to Help

What adhesion or stabilization challenge is your business facing?

Let's talk.

Our platform of diazirine crosslinking technology is proven to improve performance across a wide range of applications, and can be customized for specific material substrates.

To learn more, contact us at any time:

info@xlynxmaterials.com



For questions, pricing and trial information

Contact Us

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