

Abstract Submitted
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Novel cooperative effects in dipolar media¹ SUSANNE YELIN,
ELENA KUZNETSOVA, University of Connecticut — Recent developments in formalism and application of superradiance are discussed. We present cooperative effects in novel systems such as nuclear spins in diamond NV centers or quantum dots and in novel applications such as cooling/manipulation of vibrational decay in ultracold molecules.

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Susanne Yelin
University of Connecticut

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