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FINE-TUNING SOLID STATE LUMINESCENCE PROPERTIES OF MOLECULAR CRYSTALS VIA SOLID SOLUTION FORMATION

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Solid solutions (SS) are single multicomponent solid phases for which the constituent component ratio can vary in continuum. Along with the composition, also properties of solid solutions are modulated. The changes in composition are often accompanied by a continuous change in some physical and/or chemical properties (e.g., density, solubility, melting point), and more complex properties such as solid-state luminescence and phosphorescence properties, that are composition-dependent.

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