





Linearity in the space of the reaction rates

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Why fluorescence decays are complex in solids ?



- The drop at short time is the averaged number of quencher per emitter.
- The long lived component is that of the unquenched population.

Examples : Quantitative analysis by PCA





Conclusion :

• The decays in solid reveal the corpuscular nature of quenchers following Perrin models.







The maximum number of defects at the surface of CeSe QD is 3



Singlet and Triplet states of Cu=CR2