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Gold and Silver Nanoparticle Based Superquenching of Fluorescence: A Review

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Highlights:

• Super efficient quenching of fluorescence of probes by gold and silver nanoparticles is highlighted.

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- The amplified fluorescence quenching of dyes and polymers is rationalized.
- Energy transfer is assigned to be responsible for the efficient quenching process.
- Amplified quenching has its potential use in designing sensitive chemical/biological sensors.

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