

dissipative exciton dynamics in light-harvesting complexes ... - dissipative exciton dynamics in light-harvesting complexes marco schröder after springer the photosynthetic machinery of these organisms consists in general of light- **laser control of dissipative two-exciton dynamics in ...** - the open access journal for physics new journal of physics laser control of dissipative two-exciton dynamics in molecular aggregates yun-an yan^{1,2} and oliver kuhn^{1,2,3} **efficient energy transfer in light-harvesting systems, i ...** - to correctly describe dissipative exciton dynamics, and we find that maximal efficiency can be achieved under various physical conditions, including temperature, reorganization energy and spatial-temporal correlations in noise. **efficient energy transfer in light-harvesting systems, i ...** - exciton dynamics in light-harvesting systems and energy transfer efficiency when sunlight shines on light-harvesting pigments, an absorbed photon can excite the photosynthetic system. **arxiv:1203.1485v3 [physics-ph] 26 jul 2012** - arxiv:1203.1485v3 [physics-ph] 26 jul 2012 long-lived electronic coherence in dissipative exciton-dynamics of light-harvesting complexes christoph kreisbeck¹ and tobias kramer^{1,2} **scalable high-performance algorithm for the simulation of ...** - scalable high-performance algorithm for the simulation of exciton dynamics. application to the light-harvesting complex ii in the presence of resonant vibrational modes **t molecular excitation dynamics and relaxation** - wiley-vch valkunas abramavicius mancic molecular excitation dynamics and relaxation this work brings together quantum theory and spectroscopy to convey **ultrafast exciton dynamics in molecular systems** - ultrafast exciton dynamics in molecular systems 35 fig. 3. water wheel like spatial structure of the lh2 (light harvesting complex 2 of purple bacteria, cf. [15]) with 27 chlorophyll molecules. **iterative path-integral algorithm versus cumulant time ...** - iterative path-integral algorithm versus cumulant time-nonlocal master equation approach for dissipative biomolecular exciton transport this article has been downloaded from iopscience. **the role of the environment time scale in light-harvesting ...** - laser control of dissipative two-exciton dynamics in molecular aggregates yun-an yan and oliver kuhn correlated fluctuations in the exciton dynamics and spectroscopy of dna **two-dimensional optical three-pulse photon echo ...** - the dissipative exciton transfer dynamics is treated within the reduced theory and energetic disorder within the molecular ensemble is taken into account. the manner in which the two-dimensional spectra reveal electronic couplings in the aggregate system and the evolution of the spectra in time is studied in detail. changes in the intensity and shape of the peaks in the two-dimensional ... **dynamics and stability of dark solitons in exciton ...** - dynamics and stability of dark solitons in exciton-polariton condensates lev a. smirnov, ^{1,2} daria a. smirnova, elena a. ostrovskaya, ¹ and yuri s. kivshar ¹ nonlinear physics centre, research school of physics and engineering, the australian national university, canberra act 0200, australia **quantum dissipation and entanglement generation in ...** - second, we study the dissipative dynamics of the quantum harmonic oscillator as a generic open system coupled to a harmonic oscillator bath. because of the linearity of **theory of sub-picosecond exciton motion in photosynthetic ...** - 1 dissipative multi-exciton dynamics as already indicated there are some specific features of exciton dynamics in ppcs of photosynthetic antennae, in particu-

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