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# Organised Molecular Assemblies In The Solid State

## Molecular Solid State

**organized molecular assemblies - citeseerx** - organized molecular assemblies george m. whitesides, cochairman harvard university gregory s. ferguson, cochairman lehigh university david allara pennsylvania state university dan scherson case western reserve university lois speaker and ari ulman eastman kodak company abstract: self-assembled monolayers (sams) are part of a class of organized molecular assemblies (omas) that represent a major ... **tranes analysis of the fluorescence of Nile red in ...** - complexity in organized molecular assemblies using fluorescent probes. there are many studies of fluorescent probes in organized molecular assemblies and biological membranes 4-6. the multiexponential decay and/or time-dependent emission ... **properties of molecular organized assemblies at interfaces** - the basilisk lizard or the 'jesus christ' lizard makes use of the high surface tension of water to accomplish the incredible feat of walking on water's surface. **molecular design and supramolecular assemblies of novel ...** - 13 molecular design and supramolecular assemblies of novel amphiphiles with special molecular structures in organized molecular films tifeng jiao, sufeng wang and jingxin zhou **immobilisation of biomolecules onto organised molecular ...** - 4 albers, willem m. immobilisation of biomolecules onto organised molecular assemblies. espoo 1999. technical research centre of finland, vtt publications 391. 124 p. +app. 37 p. **molecular assemblies of porphyrins and macrocyclic ...** - pre-organized molecular entity like the protein network in natural systems have attracted considerable attraction, especially in the field of biomimetic reactions. at the same time a **transitions of organized assemblies in mixed systems of ...** - it is interesting to find that the morphology of the molecular assemblies in the system gradually changed with time, and a transition from vesicles to tubelike structures was observed by **interactions between organized, surface-confined ...** - interactions between organized, surface-confined monolayers and liquid-phase probe molecules. 4. synthesis and characterization of nanoporous molecular assemblies: mechanism of probe penetration orawon chailapakul and richard m. crooks\* ... **photochemical processes in organized molecular systems** - photochemical processes in organized molecular systems proceedings of the memorial conference for the late professor shigeo tazuke yokohama, japan **supramolecular chemistry: from molecular architectures to ...** - nanosciences and nanotechnologies - supramolecular chemistry: from molecular architectures to functional assemblies - huaping xu , xi zhang , junqi sun, shuxun cui ©encyclopedia of life support systems (eolss) **molecular magnetism: from molecular assemblies ...** - **springer** - april and 3th may 1995 was organized to review the current state-of-the-art in molecular magnetism. this volume collects the plenary and round table contributions to **anisotropic adsorption of molecular assemblies on ...** - gests that patterned structures can be organized at the nanometer length scale. molecular assemblies are especially appealing as templates for building composite structures because the length scale is small, typically a few nanometers, and controlled by molecular architecture. orientational relationships appear insensitive to the composition of the adsorbate. for example, aksay et al.4 showed ... **triplet energy migration-based photon upconversion by ...** - that such densely organized molecular assemblies with extended molecular networks such as hydrogen bonding may prevent the intrusion of molecular oxygen from the bulk water into the hydrophobic interior of the molecular self-assemblies.35 as a proof of concept, we designed a novel amphiphilic acceptor a1 based on the prototypical acceptor 9,10-diphenylanthracene (dpa). quaternary ammonium ... **linear assemblies of nanoparticles electrostatically ...** - molecular or polymeric scaffolds hold promise as a means of preparing closely spaced, specifically arranged nanoscale assemblies. here we show how a biopolymer, dna, can be used as a scaffold for the assembly of extended, close-packed, ligand-stabilized metal nanoparticle structures, including several desirable architectures (such as lines, ribbons, and branches). electrostatic binding of ... **structural reorganisation and potential toxicity of ...** - increasing evidence indicates that oligomeric protein assemblies may represent the molecular species responsible for cytotoxicity in a range of neurological disorders including alzheimer and parkinson diseases.

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