

Molecular Switches

molecular switches in nature) and) technology: an) introduction) - molecular switches like azobenzene represent promising systems for applications, e.g. molecular electronic devices and sensor applications, due to their ability to undergo a reversible, photoinduced conformational change between two stereoisomers, the trans- **molecular switches: the design, synthesis and biological ...** - molecular switches: the design, synthesis and biological applications of photoactive enzyme inhibitors a thesis submitted in partial fulfillment **integrating macromolecules with molecular switches** - of the molecular switches (i.e., direct photoexcitation) and (2) leveraging energy/electron transfer (indirect photoexcitation), for example, by using upconverting nanoparticles or **protein tyrosine phosphatases: molecular switches in ...** - protein tyrosine phosphatases: molecular switches in metabolism and diabetes esteban 1 n. gurzov^{1,2}, william j. stanley^{1,2}, thomas c. brodnicki¹, and **organic-based molecular switches for molecular electronics** - organic-based molecular switches for molecular electronics noelia fuentes,^a ana mart^ã,^{ã±n-lasanta,^a luis alvarez de cienfuegos,^a maria ribagorda,^b andres parraa **nonlinear optical molecular switches for alkali ion ...** - molecules 2014, 19 10575 temperature [10], light [11-13], redox potential [14-16], or solvent polarity. at the molecular scale, the property to optimize is usually the first hyperpolarizability ($\chi^{(2)}$), which is defined as the second- **molecular switches german edition: doi:10.1002/ange ...** - probably similar to the azo-tripod linker in the present case. on the other hand, the molecular islands appear very regular both in the lateral and vertical direction (see **molecular switches and cages - beilstein-institut** - 870 molecular switches and cages dirk trauner editorial open access address: department chemie und biochemie, ludwig-maximilians-universität münchen, butenandtstr. 5-13, 81377 münchen, germany **molecular switches: elementary processes and applications** - joint meeting of sfb 677 and sfb 658 on molecular switches: elementary processes and applications 27. mai - 29. mai 2009 kulturzentrum schloss salzau **new class of metal bound molecular switches involving h ...** - nano letters 14, 634-639 (2014) 1 new class of metal bound molecular switches involving h-tautomerism t j v u k r u * eastchem and school of chemistry, university of st andrews, st andrews, ky16 9st, united kingdom **visiblelightactivated molecular switches - semantic scholar** - the ability to isomerize without uv light can be considered a key feature. the aim of this minireview is to provide an update on the recent developments of visible-light switches and discuss **bernard l. feringa - nobel lecture: the art of building ...** - 231 the art of building small: from molecular switches to motors nobel lecture, december 8, 2016 by ben l. feringa stratingh institute for chemistry, university of groningen, groningen, the netherlands. **the art of building small: from molecular switches to ...** - chiroptical molecular switches the chiroptical switch molecules we have constructed are helical-shaped overcrowded alkenes¹⁰ (figures 2-4). the switching principle in these systems is based primarily on the}

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