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Wed, 13 Feb 2019 18:00:00 GMT bio based polymers recent progress pdf - This review reports the recent advances in the most important and straightforward synthetic protocols for incorporating catechols into (bio)polymers, and discusses the emerging applications of these innovative multifunctional materials in biomedical, energy storage and environmental applications.

Sat, 09 Feb 2019 20:14:00 GMT Recent advances in the synthesis of catechol-derived (bio ... - Biopolymers are polymers produced by living organisms; in other words, they are polymeric biomolecules. Biopolymers contain monomeric units that are covalently bonded to form larger structures. There are three main classes of biopolymers, classified according to the monomeric units used and the structure of the biopolymer formed: polynucleotides (RNA and DNA), which are long polymers composed ...

Wed, 13 Feb 2019 06:40:00 GMT Biopolymer - Wikipedia - To receive news and publication updates for International Journal of Polymer Science, enter your email address in the box below.

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an electric field. The most common applications of this type of material are in actuators and sensors. A typical characteristic property of an EAP is that they will undergo a large amount of deformation while sustaining large forces.. The majority of historic actuators are made of ceramic ...

Fri, 15 Feb 2019 10:05:00 GMT Electroactive polymers - Wikipedia - Multiple biological, synthetic and hybrid polymers are used for multiple medical applications. A wide range of different polymers is available, and they have further the advantage to be tunable in physical, chemical and biological properties in a wide range to match the requirements of specific applications.

Tue, 16 Oct 2007 23:55:00 GMT Applications of synthetic polymers in clinical medicine ... - CiteScore: 3.59 <sup>1</sup>, CiteScore: 2017: 3.590 CiteScore measures the average citations received per document published in this title. CiteScore values are based on citation counts in a given year (e.g. 2015) to documents published in three previous calendar years (e.g. 2012 - 14), divided by the number of documents in these three previous years (e.g. 2012 - 14).

Sun, 03 Feb 2019 01:37:00 GMT Polymer - Journal - Elsevier - Abstract. Shape memory polymers (SMPs) belong to a class of smart polymers,

which have drawn considerable research interest in last few years because of their applications in microelectromechanical systems, actuators, for self healing and health monitoring purposes, and in biomedical devices.

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Fri, 15 Feb 2019 13:40:00 GMT Journal of the American Chemical Society (ACS Publications) - M. A. R. Meier, CV, page 1 \_\_\_\_\_ Prof. Dr. Michael A. R.

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Meier Mon, 11 Feb 2019  
06:14:00 GMT Prof. Dr. Michael A. R. Meier - Learn and research science, chemistry, biology, physics, math, astronomy, electronics, and much more. 101science.com is your scientific resource and internet science PORTAL to more than 20,000 science sites. Mon, 11 Feb 2019 14:35:00 GMT Chemistry - 101science.com - A tale of two catalysts: Two different borate catalysts for the epoxidation of aldehydes with diazoacetamides can be generated from boron and VANOL (3,3'-diphenyl-2,2'-binaphthalol). That these catalysts are different is demonstrated by a nonlinear study on the relationship of the enantiopurity of the product epoxide versus that of VANOL. Tue, 17 Mar 2015 23:56:00 GMT Angewandte Chemie International Edition: Early View - 1. Introduction. Nanocomposites are composites in which at least one of the phases shows dimensions in the nanometre range (1 nm = 10<sup>-9</sup> m). Nanocomposite materials have emerged as suitable alternatives to overcome limitations of microcomposites and monolithics, while posing preparation challenges related to the control of elemental composition and stoichiometry in the nanocluster phase. Nanocomposites: synthesis, structure, properties and

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