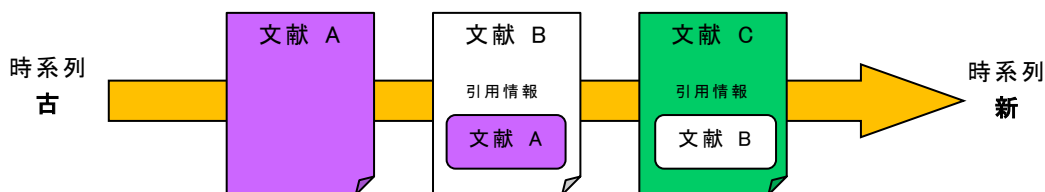


CAS SciFinder[®] 引用・被引用情報

■ CAS SciFinder[®] の文献情報には引用情報・被引用情報の両方が収録されている。



・ 文献 B から見ると、文献 A は引用（参考）文献、文献 C は被引用文献である。



引用（参考）文献・被引用文献の検索では、原報に記載された技術や理論に関する文献を幅広く調べることができる。

* 雑誌論文・学会会議録は著者引用情報、特許については審査官引用情報を収録

■ 引用（参考）文献検索

引用（参考）文献情報を調べたいレコードの文献詳細情報の画面を開くと、画面下部 Citations の項目に引用文献情報の件数と一覧が表示される。Citations (件数) をクリックすると、引用文献情報を文献回答集合（検索結果）として表示することができる。

Chitosan-g-mPEG-supported palladium (0) catalyst for Suzuki cross-coupling reaction in water

By: Sin, Eunyoung; Yi, Song-Se; Lee, Yoon-Sik

Abstract: A chitosan-g-mTEG (methoxy triethylene glycol)- or mPEG (methoxy polyethylene glycol)-supported palladium (0) catalyst was prepared for the Suzuki cross-coupling reaction in water. The catalyst showed excellent catalytic activity in the Suzuki cross-coupling reaction without addnl. phase transfer reagents due to the enhanced solubility of the organic substrate by PEG grafting. In addition, the catalyst could be reused up to five times with the catalytic activity being recovered easily after simple manipulations.

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✓ Concepts
 ✓ Substances
 ^ Citations

☞ Citations (59)
文献回答集合（検索結果）へリンク

1) Miyaura, N; Chem Rev, 1995, 95, 2457
 2) Suzuki, A; Organomet Chem, 1999, 576, 147
 3) Corbet, J; Chem Rev, 2006, 106
 4) Uozumi, Y; Top Curr Chem, 2004, 242, 77
 5) Phan, N; Adv Synth Catal, 2006, 348, 609
 6) Yin, L; Chem Rev, 2007, 107, 133
 7) Alonso, F; Tetrahedron, 2008, 64, 3047
 8) Bergbrieter, D; Chem Rev, 2002, 102, 3345
 9) Guino, M; Chem Soc Rev, 2007, 36, 608
 10) Wolfe, J; J Am Chem Soc, 1999, 121, 9550

2
該当文献の詳細情報へリンク

* 引用情報中の黒文字で書かれた文献情報は文献詳細情報へのリンクはない。

■ 被引用文献検索

文献回答集合,あるいは文献詳細情報の画面上部にある Cited By に被引用文献の件数が表示されている。Cited By(件数) をクリックすると,被引用文献情報を検索できる。

文献一覧

The screenshot shows a 'References' page with 758 results. At the top, there are filters for 'Substances', 'Reactions', and 'Cited By'. A dropdown menu for 'Cited By' is open, showing 'All Results' and 'Selected Results'. A yellow callout box points to 'All Results' with the text: 'ヒットした全件を対象として被引用文献情報を検索' (Search for cited document information for all hits). Below the filters, the first document is 'Plasmonic Harvesting of Light Energy for Suzuki Coupling Reactions'. A diagram shows a plasmonic Au-Pd nanostructure with reactants and products. A yellow callout box points to the 'Cited By (326)' button with the text: 'この文献の被引用文献情報を検索' (Search for cited document information for this document). The second document is 'Iron-Catalyzed Suzuki-Miyaura Coupling of Alkyl Halides'.

文献詳細情報

The screenshot shows the 'Reference Detail' page for the first document. At the top, there are filters for 'Substances (25)', 'Reactions (13)', and 'Cited By (326)'. A yellow callout box points to the 'Cited By (326)' button with the text: 'この文献の被引用文献情報を検索' (Search for cited document information for this document). A green arrow points to the 'Cited By (326)' button. A yellow callout box points to the bell icon next to the 'Cited By (326)' button with the text: 'ベルをクリックしてアラートを登録すると,新たな被引用文献情報が追加された場合に通知がくる' (Click the bell to register an alert, and you will be notified when new cited document information is added). Below the document details, there is a 'Set Citing Alert' form with fields for 'Name' (example 1), 'No Alerts', 'As Available', 'Weekly', and 'Monthly' (selected), and a 'Save' button.

CAS SciFinderⁿ 引用・被引用マップ (Citation Map)

■ CAS SciFinderⁿ では特定の文献の引用・被引用情報を一覧のマップで表示できる。

Citation Map をクリックすると、引用・被引用文献マップが表示される。

Stimuli-Responsive Biointerface Based on Polymer Brushes for Glucose Detection
 By: Crulhas, Bruno P.; Sempionatto, Juliane R.; Cabral, Murilo F.; Minko, Sergiy; Pedrosa, Valber A.
 Electroanalysis (2014), 26(4), 815-822 | Language: English, Database: CAPlus
 | MethodsNow: Analysis

The construction and characterization of a biosensor based on polymer brushes is reported. The use of polymer brushes combined with nanoparticles was applied to show its suitability as a biosensor platform - with glucose oxidase as an enzyme probe. The biosensor demonstrated a pH-sensitive on-off property, and it was further used to control or modulate the electrochem. responses. In terms of the kinetic behavior, we were able to show the changing in the kinetic parameters of glucose oxidase operating in "on" and "off" state of the polymer brushes. The performance of the bioelectrode was invest...

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引用 (参考) 文献リスト

被引用文献リスト

Filter By Cited By Citing

Bioinspired polymer vesicles and membranes for biological and medical applications
 By: Pakwan, Cornelia G.; Goers, Roland; Najer, Adrian; Zhang, Xiaoyan; Car, Arjo; Meier, Wolfgang
 Chemical Society Reviews (2016)
 Cited by 319 [Map This](#)

From self-assembled monolayers to coatings: advances in the synthesis and nanobio applications of polymer brushes
 By: Kim, Myungwoong; Schmitz, Samantha K.; Choi, Jonathan W.; Krutzy, John D.; Gopalan, Palanis
 Polymers (Basel, Switzerland) (2015)
 Cited by 60 [Map This](#)

Adsorption of enzymes to stimuli-responsive polymer brushes: Influence of brush conformation on adsorbed amount and biocatalytic activity
 By: Koenig, Meike; Bittrich, Eva; Koenig, Ulla; Rajeev, Bhadra Lakshmi; Mueller, Martin; Eichhorn, Klaus-Jochen; Thomas, Sabu; Stamm, Manfred; Uhlmann, Peter
 Colloids and Surfaces, B: Biointerfaces (2016)
 Cited by 26 [Map This](#)

Enzyme Immobilization in Polyelectrolyte Brushes: High Loading and Enhanced Activity Compared to Monolayers
 By: Ferrand-Drake del Castillo, Gustavo; Koenig, Meike; Muller, Martin; Eichhorn, Klaus-Jochen; Stamm, Manfred; Uhlmann, Peter; Dahn, Andreas
 Langmuir (2019)
 Cited by 13 [Map This](#)

Citation Map

Filter By Cited By Citing

Stimuli-Responsive Biointerface Based on Polymer Brushes for Glucose Detection
 By: Crulhas, Bruno P.; Sempionatto, Juliane R.; Cabral, Murilo F.; Minko, Sergiy; Pedrosa, Valber A.
 Electroanalysis (2014), 26(4), 815-822 | Language: English, Database: CAPlus

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Citation Map Key
 ● Cited by Root Document
 ● References Citing Root Document

Only citations with detail records are listed.

标题をクリックすると、該当文献の抄録が表示される

Chemical Gating with Nanostructured Responsive Polymer Brushes: Mixed Brush versus Homopolymer Brush
 By: Motornov, Mikhail; Sheparovych, Roman; Katz, Evgeny; Minko, Sergiy
 ACS Nano (2008), 2(1), 41-52
 Language: English, Database: CAPlus and MEDLINE

In this report, we describe a novel approach to create an electrochem. gating system using mixed polymer brushes grafted to an electrode surface, and we explore the switchable properties of these mixed polymer brushes. The morphol. transitions in the mixed polymer brushes associated with the electrode surface result in the opening, closing, or precise tuning of their permeability for ion transport through the channels formed in the nanostructured thin film in response to an external stimulus (pH change). The gating mechanism was studied by at. force microscopy, ellipsometry, contact angle measurements, force-distance measurements, and electrochem. impedance spectroscopy. In comparison to a homopolymer brush system, the mixed brush demonstrates much broader variation of ion transport through the thin film. We suggest that this approach could find important applications in electrochem. sensors and devices with tunable/switchable access to the electrode surface.

Cited by 137 [Map This](#)