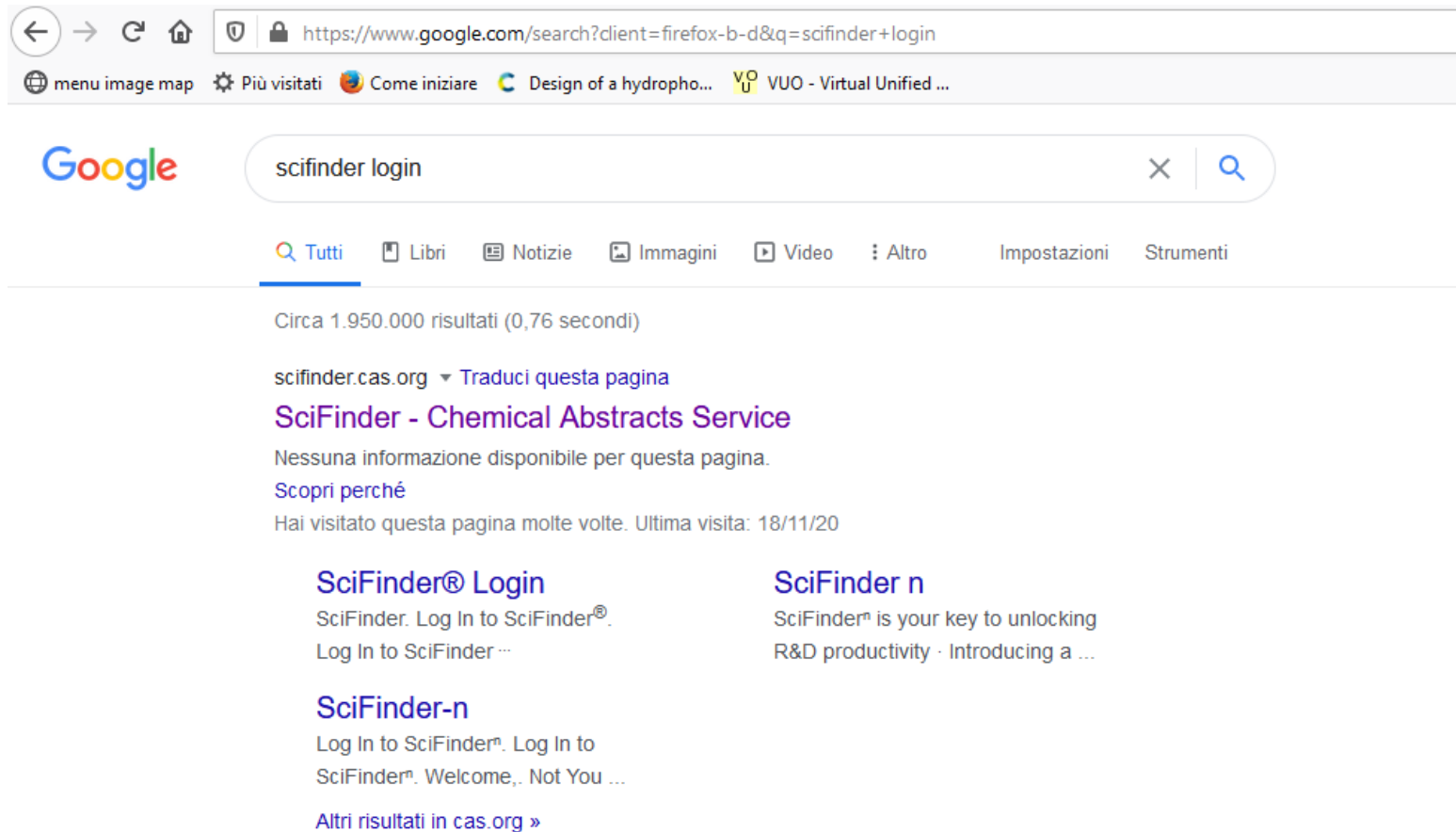


Come accedere a SciFinder:

1. Motore di ricerca, scrivo «scifinder login»



The screenshot shows a Google search interface. The search bar contains the text "scifinder login". Below the search bar, the results are displayed. The first result is from "scifinder.cas.org" and is titled "SciFinder - Chemical Abstracts Service". Below the title, it says "Nessuna informazione disponibile per questa pagina." and "Scopri perché". There are also two other search results visible, one titled "SciFinder® Login" and another titled "SciFinder-n".

https://www.google.com/search?client=firefox-b-d&q=scifinder+login

menu image map Più visitati Come iniziare Design of a hydropho... VUO - Virtual Unified ...

Google scifinder login

Tutti Libri Notizie Immagini Video Altro Impostazioni Strumenti

Circa 1.950.000 risultati (0,76 secondi)

scifinder.cas.org Traduci questa pagina

SciFinder - Chemical Abstracts Service

Nessuna informazione disponibile per questa pagina.

Scopri perché

Hai visitato questa pagina molte volte. Ultima visita: 18/11/20

SciFinder® Login
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Log In to SciFinder...

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R&D productivity · Introducing a ...

SciFinder-n
Log In to SciFinder[®]. Log In to
SciFinder[®]. Welcome,. Not You ...

[Altri risultati in cas.org »](#)

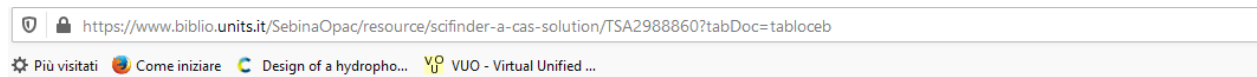
Come accedere a SciFinder:

2. SBA

The screenshot shows the BiblioUniTS website interface. At the top, the browser address bar displays <https://www.biblio.units.it/SebinaOpac/do>. The user is logged in as 'maddalena furlan'. The website header includes the logo of the University of Trieste and the text 'UNIVERSITÀ DEGLI STUDI DI TRIESTE SBA Sistema Bibliotecario di Ateneo'. A navigation menu contains links for 'Chi siamo', 'Biblioteche', 'Servizi', 'Aiuto all'...', 'Chiedi alla biblioteca', and 'BiblioEst'. A secondary menu below it includes 'Catalogo', 'Testi d'esame', 'Banche dati', and 'Tutte le risorse'. A search bar is prominently displayed with the text 'SciFinder' entered. Below the search bar are links for '+ Ricerca avanzata', '? Guida all'utilizzo', and '↗ Catalogo retrospettivo'. A large yellow arrow points to the 'Banche dati' menu item.

Come accedere a SciFinder:

2. SBA



AVVISO IMPORTANTE
COVID-19: Informazioni sui servizi delle biblioteche
Come si prenotano online i servizi delle biblioteche?

[Torna indietro](#) | [vai alla pagina principale](#)



Permalink

SciFinder : a CAS solution

Banca dati - American chemical society
risorsa Web , Accesso riservato



Abstract ▲

SciFinder è la banca dati di ambito chimico e biochimico che ingloba e sostituisce il Chemical Abstracts. I contenuti comprendono: CPlus, i riferimenti bibliografici del Chemical Abstracts; CAS Registry, database delle sostanze chimiche; CASREACT, reazioni e sintesi chimiche; CHEMCATS, disponibilità commerciale e CHEMLIST, normativa sulle sostanze chimiche. La ricerca è integrata con la banca dati Medline ed è possibile eliminare i risultati doppi. Le riviste indicizzate in CPlus sono oltre 10.000 di cui circa 1.500 costituiscono il nucleo corrente. Vi sono inoltre i brevetti di oltre 60 paesi. La copertura cronologica è a partire dal 1907 ma sono inclusi anche alcuni articoli precedenti presenti nelle citazioni. L'aggiornamento quotidiano è di circa 4500 nuovi riferimenti bibliografici. Il CAS Registry contiene più di 140 milioni di sostanze e più di 67 milioni di sequenze. Si ricerca per argomento, nomi di autori e organizzazioni, struttura chimica grafica, sottostruttura, formula chimica, reazioni chimiche, proprietà e numero di registrazione CAS [...]

Accedi | Scheda | Commenti

B. UNIV.TS-RISORSE ELETTRONICHE

Fornitore/Editore: ACS

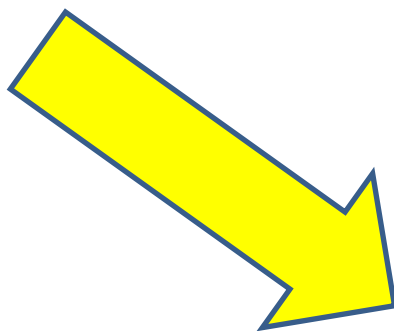
L'accesso prevede una registrazione iniziale ed è riservato a chi disponga di una casella di posta elettronica con dominio "units.it"

[Accesso riservato agli utenti dell'Università di Trieste](#)

[Registrazione per ottenere le credenziali di accesso](#)


[Informazioni](#)

Istruzioni per l'accesso



Una volta recuperate le vostre credenziali, dovete fare il LOGIN:

menu image map Più visitati Come iniziare Design of a hydropho... VUO - Virtual Unified ...

 **CAS**
A DIVISION OF THE
AMERICAN CHEMICAL SOCIETY

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Password

.....

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A sinistra avete il menu per fare le ricerche, secondo argomento, autore, ecc.

The screenshot shows the SciFinder web interface. At the top, there is a browser address bar with the URL <https://scifinder.cas.org/scifinder/view/scifinder/scifinderExplore> and a search bar containing the text "maddalena". Below the browser bar is a navigation bar with the SciFinder logo and the text "A CAS SOLUTION". To the right of the logo are links for "Preferences", "SciFinder Help", and "Sign Out". A welcome message "Welcome Silvia Marchesan" is displayed in the top right corner.

A yellow banner below the navigation bar contains the text: "SciFinder[®] is here! Learn more about the power of n. Participating customers can access using their existing SciFinder credentials by clicking here: <https://scifinder-n.cas.org>".

Below the banner is a navigation menu with three items: "Explore", "Saved Searches", and "SciPlanner". The "Explore" menu is expanded, showing a list of search criteria:

- REFERENCES
 - Research Topic
 - Author Name
 - Company Name
 - Document Identifier
 - Journal
 - Patent
 - Tags
- SUBSTANCES
 - Chemical Structure
 - Markush
 - Molecular Formula
 - Property
 - Substance Identifier
- REACTIONS
 - Reaction Structure

The main content area is titled "REFERENCES: RESEARCH TOPIC" and features a search box. Below the search box are examples: "The effect of antibiotic residues on dairy products" and "Photocyanation of aromatic compounds". A blue "Search" button is located below the examples, and a link for "Advanced Search" is positioned below the button.

On the right side of the page, there is a section titled "SAVED ANSWER SETS" which lists several saved search sets:

- search carbenes nitrenes
- PMHC18 CNT referaggio
- PVP CNT referaggio
- CNT-heart_Feb2019
- Gold NP amyloid for referaggio Oct2018
- Tetrapep
- ACS NANO fatto fino a 22 incluso
- Ricerca16032015perEleonora
- SilviaMarch2
- SilviaMarch1
- Autosaved Reference Set

At the bottom of this section are the links "View All" and "Import".

A destra avete il menu per accedere alle vostre ricerche «salvate»
(se è la prima volta che lo usate non avrete nulla)

The screenshot shows the SciFinder web interface. At the top, there is a navigation bar with the SciFinder logo and a user welcome message: "Welcome Silvia Marchesan". Below this is a yellow banner with the text: "SciFinderⁿ is here! Learn more about the power of n. Participating customers can access using their existing SciFinder credentials by clicking here: <https://scifinder-n.cas.org>".

The main navigation bar includes "Explore", "Saved Searches", and "SciPlanner". On the left, there is a sidebar menu with categories: "REFERENCES" (with sub-items: Research Topic, Author Name, Company Name, Document Identifier, Journal, Patent, Tags), "SUBSTANCES" (with sub-items: Chemical Structure, Markush, Molecular Formula, Property, Substance Identifier), and "REACTIONS" (with sub-item: Reaction Structure).

The central area is titled "REFERENCES: RESEARCH TOPIC" and contains a search input field. Below the field are examples: "The effect of antibiotic residues on dairy products" and "Photocyanation of aromatic compounds". A blue "Search" button and a link to "Advanced Search" are also present.

On the right side, a yellow-bordered box highlights the "SAVED ANSWER SETS" menu. It lists several saved search sets:

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- PMHC18 CNT referaggio
- PVP CNT referaggio
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- Gold NP amyloid for referaggio Oct2018
- Tetrapep
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- SilviaMarch2
- SilviaMarch1
- Autosaved Reference Set

At the bottom of this menu, there are links for "View All" and "Import".

In alto a destra il link se avete bisogno di aiuto

https://scifinder.cas.org/scifinder/view/scifinder/scifinderExplore

menu image map Più visitati Come iniziare Design of a hydropho... VUO - Virtual Unified ...

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Preference | SciFinder Help | Sign Out

Welcome Silvia Marchesan

SciFinder[®] is here! Learn more about the power of n. Participating customers can access using their existing SciFinder credentials by clicking here: <https://scifinder-n.cas.org>

Explore Saved Searches SciPlanner

REFERENCES

- Research Topic
- Author Name
- Company Name
- Document Identifier
- Journal
- Patent
- Tags

SUBSTANCES

- Chemical Structure
- Markush
- Molecular Formula
- Property
- Substance Identifier

REACTIONS

- Reaction Structure

REFERENCES: RESEARCH TOPIC

Examples:
The effect of antibiotic residues on dairy products
Photocyanation of aromatic compounds

Search

Advanced Search

SAVED ANSWER SETS

- search carbenes nitrenes
- PMHC18 CNT referaggio
- PVP CNT referaggio
- CNT-heart_Feb2019
- Gold NP amyloid for referaggio Oct2018
- Tetrapep
- ACS NANO fatto fino a 22 incluso
- Ricerca16032015perEleonora
- SilviaMarch2
- SilviaMarch1
- Autosaved Reference Set

View All | Import

Posso iniziare una ricerca per esempio digitando 2 parole chiave e clicco «search»

The screenshot displays the SciFinder web interface. At the top, there is a navigation bar with the SciFinder logo (A CAS SOLUTION) on the left and links for 'Preferences', 'SciFinder Help', and 'Sign Out' on the right. A welcome message 'Welcome Silvia Marchesan' is visible in the top right corner. Below the navigation bar is a yellow banner with the text: 'SciFinderⁿ is here! Learn more about the power of n. Participating customers can access using their existing SciFinder credentials by clicking here: <https://scifinder-n.cas.org>'. Below the banner are three tabs: 'Explore', 'Saved Searches', and 'SciPlanner'. The main content area is titled 'REFERENCES: RESEARCH TOPIC'. It features a search input field containing the text 'supramolecular hydrogels'. Below the input field, there are 'Examples:' listed as 'The effect of antibiotic residues on dairy products' and 'Photocyanation of aromatic compounds'. A blue 'Search' button is positioned below the examples, and a link for 'Advanced Search' is located below the button. On the left side, there is a sidebar with three main categories: 'REFERENCES' (with sub-items: Research Topic, Author Name, Company Name, Document Identifier, Journal, Patent, Tags), 'SUBSTANCES' (with sub-items: Chemical Structure, Markush, Molecular Formula, Property, Substance Identifier), and 'REACTIONS' (with sub-item: Reaction Structure). On the right side, there are two sections: 'SAVED ANSWER SETS' with a list of search terms like 'search carbenes nitrenes', 'PMHC18 CNT referaggio', 'PVP CNT referaggio', 'CNT-heart_Feb2019', 'Gold NP amyloid for referaggio Oct2018', 'Tetraep', 'ACS NANO fatto fino a 22 incluso', 'Ricerca16032015perEleonora', 'SilviaMarch2', 'SilviaMarch1', and 'Autosaved Reference Set'; and 'KEEP ME POSTED' with the text 'You have no profiles.' and a link 'Learn how to: Create Keep Me Posted'.

Tipicamente SciFinder mi da due opzioni:

1. Vedere i documenti che contengono le due parole così come le ho scritte (cioè ricerca come se l'avessi fatta tra virgolette)
2. Vedere i documenti che contengono le 2 parole chiave come concetto

The screenshot shows the SciFinder web interface. At the top, there is a navigation bar with the SciFinder logo and a user welcome message: "Welcome Silvia Marchesan". Below this is a yellow banner with the text: "SciFinderⁿ is here! Learn more about the power of n. Participating customers can access using their existing SciFinder credentials by clicking here: <https://scifinder-n.cas.org>".

The main content area shows a search for "supramolecular hydrogels". Under the "REFERENCES" tab, there are two options:

- 1003 references were found containing "supramolecular hydrogels" as entered. 1003
- 3873 references were found containing the concept "supramolecular hydrogels". 3873

A "Get References" button is located below the list.

Solo dopo che ho fatto una selezione si attiva il bottone per vedere i risultati, Quindi ci clicco sopra, cioè su «Get References»

The screenshot shows the SciFinder web interface. At the top left, there is a 'CAS Solutions' dropdown menu and the SciFinder logo with the text 'A CAS SOLUTION'. On the top right, there is a 'Preferences' link. Below the header is a yellow banner with the text: 'SciFinderⁿ is here! Learn more about the power of n. Participating customers can access existing SciFinder credentials by clicking here: <https://scifinder-n.cas.org>'. Below the banner is a navigation bar with buttons for 'Explore', 'Saved Searches', and 'SciPlanner'. The main content area shows the search topic 'supramolecular hydrogels'. Underneath, there is a 'REFERENCES' section with a help icon. Below the references section, there are links for 'Select All' and 'Deselect All'. A status line indicates '2 of 2 Research Topic Candidates Selected'. Two list items are shown, each with a checked checkbox: '1003 references were found containing "supramolecular hydrogels" as entered.' and '3873 references were found containing the concept "supramolecular hydrogels".'. At the bottom of the list is a 'Get References' button.

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Preferences

SciFinderⁿ is here! Learn more about the power of n. Participating customers can access existing SciFinder credentials by clicking here: <https://scifinder-n.cas.org>

Explore ▼ Saved Searches ▼ SciPlanner

Research Topic "supramolecular hydrogels"

REFERENCES ?

Select All Deselect All

2 of 2 Research Topic Candidates Selected

- 1003 references were found containing "supramolecular hydrogels" as entered.
- 3873 references were found containing the concept "supramolecular hydrogels".

Get References

Mi conviene subito eliminare i duplicati (generati perché SciFinder usa più databases), ma posso farlo solo se i risultati sono <10,000.

The screenshot shows the SciFinder web interface. At the top, there is a navigation bar with the SciFinder logo, user preferences, and a sign-out button. A yellow banner below the navigation bar contains promotional text. The main content area shows a search for "supramolecular hydrogels" with 3873 references. On the left, there is a sidebar for "Analyze by:" with a dropdown menu set to "Author Name" and a list of authors with their respective reference counts. The main list of references is displayed, with the first two entries visible. A yellow arrow points to the "Tools" menu, which is open to show the "Remove Duplicates" option.

SciFinder[®] is here! Learn more about the power of n. Participating customers can access using their existing SciFinder credentials by clicking here: <https://scifinder.n.cas.org>

Research Topic "supramolecular hydrogels" > references (3873)

REFERENCES

Get Substances Get Reactions Get Related Citations Tools Create Keep Me Posted Alert Send to SciPlanner

Analyze Refine Categorize

Sort by: Accession Number

0 of 3873 References Selected

Display Options

Page: 1 of 194

1. Salt-mediated triple shape-memory ionic conductive polyampholyte hydrogel for wearable flexible electronics

Quick View Other Sources

By Wu, Shanshan; Shao, Zijian; Xie, Hui; Xiang, Tao; Zhou, Shaobing

From Journal of Materials Chemistry A: Materials for Energy and Sustainability (2020), Ahead of Print. | Language: English, Database: CAPLUS

Wearable flexible electronics (WFEs) made of multifunctional hydrogel provide an approach for human health monitoring such as human activities and human sweat. However, it is still necessary to develop a hydrogel sensor with stimuli-response and shape-memory effect (SME) to broaden the applications. Herein, we design and fabricate a kind of supramol. polyampholyte hydrogel with salt-mediated triple SME, ionic cond. (0.24~3.06 S/m), high stretchability (up to 1500%) and self-healing property (up to 70%), which can be applied for shape-memory sensors and strain sensors. The SME endows the sen...

2. Supramolecular Structure of Temperature-Dependent Polymeric Hydrogels Modulated by Drug Incorporation

Quick View Other Sources

By Franco, Margaret K. K. D.; Sepulveda, Anderson F.; Vigato, Aryane A.; Oshiro, Alisson; Machado, Ian Pompermyer; Kent, Ben; Clemens, Daniel; Yokaichiya, Fabiano; de Araujo, Daniele Ribeiro

From ChemistrySelect (2020), 5(42), 12853-12861. | Language: English, Database: CAPLUS

Ploxamers or Pluronics (PL) have been described as promising pharmaceutical and cosmetics matrixes. Herein, we have explored the structural organization of hydrogel formulations composed of PL F-127 and PL L-81, considering their different hydrophilic-lipophilic balances and interactions with an antimigraine drug, sumatriptan succinate (SMT). Hydrogels phase organizations were investigated by X-ray diffraction (XRD) and Small Angle Neutron Scattering (SANS) to establish the relationship between structural features and drug release modulation. XRD anal...

Posso poi applicare dei filtri alla ricerca, cliccando su «Refine». Per esempio, per data, consiglio sempre di focalizzarsi sugli ultimi 5-10 anni. Clicco «Refine»

The screenshot shows the SciFinder web interface. At the top, there is a navigation bar with 'CAS Solutions', 'SCIFINDER A CAS SOLUTION', and user options like 'Preferences', 'SciFinder Help', and 'Sign Out'. A banner below the navigation bar promotes SciFinderⁿ and provides a link to <https://scifinder-n.cas.org>. Below the banner are buttons for 'Explore', 'Saved Searches', 'SciPlanner', 'Save', 'Print', and 'Export'. A yellow warning bar indicates that 989 duplicates were removed. The main search area shows the topic 'supramolecular hydrogels' with 3873 references, and a 'remove 989 references (2884)' button. A sidebar on the left, titled 'REFERENCES', is highlighted with a yellow border and contains a 'Refine' section with various filters. The 'Publication Year' filter is selected, and a text input field shows '2015-'. Below the input field are examples of year ranges: '1995, 1995-1999, 1995-, -1995'. A 'Refine' button is at the bottom of the sidebar. The main content area shows a list of references, with the first one selected. The selected reference is: '1. Salt-mediated triple shape-memory ionic conductive polyampholyte hydrogel for wearable flexible electronics'. The abstract for this reference is visible, discussing wearable flexible electronics (WFEs) made of multifunctional hydrogel for human health monitoring.

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Welcome Silvia Marchesan

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Explore | Saved Searches | SciPlanner | Save | Print | Export

989 duplicates were removed. To remove duplicates automatically, visit [Preferences](#).

Research Topic "supramolecular hydrogels" > references (3873) > remove 989 references (2884)

REFERENCES

Analyze | Refine | Categorize

Refine by:

- Research Topic
- Author
- Company Name
- Document Type
- Publication Year
- Language
- Database

Publication Year(s)

2015-

Examples: 1995, 1995-1999, 1995-, -1995

Refine

Get Substances | Get Reactions | Get Related Citations | Tools | Create Keep Me Posted Alert | Send to SciPlanner

Sort by: Accession Number

0 of 2884 References Selected

Page: 1 of 145

1. Salt-mediated triple shape-memory ionic conductive polyampholyte hydrogel for wearable flexible electronics

Quick View | Other Sources

By Wu, Shanshan; Shao, Zijian; Xie, Hui; Xiang, Tao; Zhou, Shaobing

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Posso anche applicare altri filtri, ad esempio sul tipo di documento, se voglio esclusivamente delle «reviews»,

oppure posso includere anche articoli, tesi e i «preprint» che sono le bozze degli articoli prima della peer-review (ricerca nuovissima non ancora pubblicata ma nemmeno valutata da revisori... può non essere corretta o completa)

Nota: per la chimica, il preprint di riferimento è **chemRxiv**

Clicco «Refine»

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SciFinder[®] is here! Learn more about the power of n. Participating cu existing SciFinder credentials by clicking here: <https://s>

Explore ▾ Saved Searches ▾ SciPlanner

Research Topic "supramolecular hydrogels" > references (3873) > remove 989 references (2884) > refine "2015-"

REFERENCES ?

Get Substances Get Reactions Get Related Citations Tools ▾

Sort by: Accession Number ▾ ↓

0 of 1929 References Selected

Analyze Refine Categorize

Refine by: ?

- Research Topic
- Author
- Company Name
- Document Type
- Publication Year
- Language
- Database

Document Type(s)

- Biography
- Book
- Clinical Trial
- Commentary
- Conference
- Dissertation
- Editorial
- Historical
- Journal
- Letter
- Patent
- Preprint
- Report
- Review

Refine

1. **Salt-mediated triple shape-memory ionic conductive polyampholyte** | Quick View Other Sources
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3. **Magic-angle spinning NMR spectroscopy provides insight into the im hydrogels** | Quick View Other Sources
By Manjunatha Reddy, G. N.; Peters, Gretchen M.; Tatman, Ben P.; Rajan, Teena S.; Kock Jeffery T.; Marsh, Andrew; Brown, Steven P.
From Materials Advances (2020), 1(7), 2236-2247. | Language: English, Database: CAPL
Small mol. guests influence the functional properties of **supramol. hydr**

Posso anche filtrare per lingua, per es. inglese e italiano

SciFinderⁿ is here! Learn more about the power of n. Participating customers can access using their existing SciFinder credentials by clicking here: <https://scifinder-n.cas.org>

Explore | Saved Searches | SciPlanner | Save | Print | Export

Research Topic "supramolecular hydrogels" > references (3873) > remove 989 references (2884) > refine "2015-" (1929) > refine "Dissertation Journal Letter Pr..." (1652)

REFERENCES

Get Substances | Get Reactions | Get Related Citations | Tools | Create Keep Me Posted Alert | Send to SciPlanner

Analyze | Refine | Categorize

Sort by: Accession Number

0 of 1652 References Selected

Page: 1 of 83

Refine by:

- Research Topic
- Author
- Company Name
- Document Type
- Publication Year
- Language
- Database

Language(s)

- Chinese
- English
- French
- German
- Italian
- Japanese
- Polish
- Russian
- Spanish

Refine

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3. **Magic-angle spinning NMR spectroscopy provides insight into the impact of small molecule uptake by G-quartet**

Posso anche ANALIZZARE per «giornale», scegliere quelli che ritengo di interesse e filtrare

Devo prima cliccare su «show more»

(vedi lezioni precedenti su scelta giornali)



existing SciFinder credentials by clicking here: <https://scifinder-n.cas.org>

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1. Salt-mediated triple shape-memory ionic conductive polyampholyte hydrogel for wearable flexible electronic

By Wu, Shanshan; Shao, Zijian; Xie, Hui; Xiang, Tao; Zhou, Shaobing
From Journal of Materials Chemistry A: Materials for Energy and Sustainability (2020), Ahead of Print. | Language: English, Database: CAPLUS

Wearable flexible electronics (WFEs) made of multifunctional hydrogel provide an approach for human health monitoring such as human activities and human sweat. However, it is still necessary to develop a hydrogel sens with stimuli-response and shape-memory effect (SME) to broaden the applications. Herein, we design and fabricat a kind of supramol. polyampholyte hydrogel with salt-mediated triple SME, ionic cond. (0.24~3.06 S/m), hig stretchability (up to 1500%) and self-healing property (up to 70%), which can be applied for shape-memory sensor and strain sensors. The SME endows the sen...

2. Supramolecular Structure of Temperature-Dependent Polymeric Hydrogels Modulated by Drug Incorporatio

By Franco, Margareth K. K. D.; Sepulveda, Anderson F.; Vigato, Aryane A.; Oshiro, Alisson; Machado, Ian Pompermayyer; Kent, Ben; Clemens Daniel; Yokaihiya, Fabiano; de Araujo, Daniele Ribeiro
From ChemistrySelect (2020), 5(42), 12853-12861. | Language: English, Database: CAPLUS

Poloxamers or Pluronic (PL) have been described as promising pharmaceutical and cosmetics matrixes. Herein, w have explored the structural organization of hydrogel formulations composed of PL F-127 and PL L-81, considerin their different hydrophilic-lipophilic balances and interactions with an antimigraine drug, sumatriptan succinate (SMT). Hydrogels phase organizations were investigated by X-ray diffraction (XRD) and Small Angle Neutron Scatterin (SANS) to establish the relationship between structural features and drug release modulation. XRD anal. reveale very low intensity peaks for...

3. Magic-angle spinning NMR spectroscopy provides insight into the impact of small molecule uptake by G-qua hydrogels

By Manjunatha Reddy, G. N.; Peters, Gretchen M.; Tatman, Ben P.; Rajan, Teena S.; Kock, Si Min; Zhang, Jing; Frenquelli, Bruno G.; Davis, Jeffery T.; Marsh, Andrew; Brown, Steven P.
From Materials Advances (2020), 1(7), 2236-2247. | Language: English, Database: CAPLUS

Small mol. guests influence the functional properties of supramol. hydrogels. Mol.-level understanding of sol-gel compns. and structures is challenging due to the lack of long-range order and the inherently heterogeneous sol-gel interface. Here, we employ multinuclear (⁷Li, ¹¹B, ²³Na, ³⁹K and ¹³³Cs) gel-state magic-angle spinning (MAS) NM spectroscopy to gain insight into the roles of alkali cations and borate anions in the gelation of guanosine (G)-quartet (G4). The MAS NMR spectra of alkali metal ions enabled the cations assocd. with G-quartets to be distinguished from the free cations....

4. Body-Driven In Situ Self-Assembly of Graphene-Based Hydrogels

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ACS Applied Materials & Interfaces	63
Journal of Materials Chemistry B: Materials for Biology and Medicine	55
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173 references with the Journal Names **Accounts of Chemical Research, ACS Central Science, Angewandte Chemie (Weinheim an der Bergstrasse, Germany), ...** are displayed [Keep Analysis](#) [Clear Analysis](#)

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0 of 1624 References Selected Page: 1 of 9

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Soft Matter 65
ACS Applied Materials & Interfaces 63
Journal of Materials Chemistry B: Materials for Biotech...

18. **A minimalistic catalytically-active cell mimetic made of a supra-molecular hydrogel encapsulated into a polymersome**
By Marti-Centelles, Rosa; Rubio-Magnieto, Jenifer; Escuder, Beatriu
From Chemical Communications (Cambridge, United Kingdom) (2020), Ahead of Print. | Language: English, Database: CAPLUS
A minimalistic multicomponent cell mimetic is described consisting of a fibrillar network formed by the self-assembly of a low mol. wt. compd. (cytoskeleton-like) that is entrapped into a polymersome (membrane-like), namely a jelly-polymersome. A simple imidazole-appended **hydrogelator** is used in order to obtain a catalytic nanoreactor able to hydrolyze an ester within the compartment in its self-assembled state.

38. **Photo-dissociation of self-assembled (anthracene-2-carbonyl)amino acid hydrogels**
By Chivers, Phillip R. A.; Dookie, Rebecca S.; Gough, Julie E.; Webb, Simon J.
From Chemical Communications (Cambridge, United Kingdom) (2020), 56(89), 13792-13795. | Language: English, Database: CAPLUS
Amino acids modified with an N-terminal anthracene group self-assemble into supramolecular hydrogels upon the addi...

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The main interface shows a list of 173 references selected, sorted by Accession Number. The first four references are visible:

- 1. A minimalistic catalytically-active cell mimetic made of a supra-molecular hydrogel encapsulated into a polymersome**
By Martí-Centelles, Rosa; Rubio-Magnieto, Jenifer; Escuder, Beatriu
From Chemical Communications (Cambridge, United Kingdom) (2020), Ahead of Print. | Language: English, Database: CAPLUS
A minimalistic multicomponent cell mimetic is described consisting of a fibrillar network formed by the self-assembly of a low mol. wt. compd. (cytoskeleton-like) that is entrapped into a polymersome (membrane-like), namely a jelly-polymersome. A simple imidazole-appended hydrogelator is used in order to obtain a catalytic nanoreactor able to hydrolyze an ester within the compartment in its self-assembled state.
- 2. Photo-dissociation of self-assembled (anthracene-2-carbonyl)amino acid hydrogels**
By Chivers, Phillip R. A.; Dookie, Rebecca S.; Gough, Julie E.; Webb, Simon J.
From Chemical Communications (Cambridge, United Kingdom) (2020), 56(89), 13792-13795. | Language: English, Database: CAPLUS
Amino acids modified with an N-terminal anthracene group self-assemble into supramol. hydrogels upon the addn. of a range of salts or cell culture medium. Gel-phase photo-dimerization of gelators results in hydrogel disassembly and was used to recover cells from 3D culture.
- 3. A coassembled peptide hydrogel boosts the radiosensitization of cisplatin**
By Wang, Qian; Hou, Xiaoxue; Gao, Jie; Ren, Chunhua; Guo, Qingxiang; Fan, Huirong; Liu, Jinjian; Zhang, Wenxue; Liu, Jianfeng
From Chemical Communications (Cambridge, United Kingdom) (2020), 56(85), 13017-13020. | Language: English, Database: CAPLUS
We constructed a novel supramol. hydrogel by carrying out a coassembly of cisplatin and short naproxen-capped peptides. This procedure boosted the radiosensitization effect of cisplatin by increasing the no. of Pt-DNA adducts, arresting the cell cycle, and inhibiting cyclooxygenase-2.
- 4. A DNA-small molecule conjugate modulates the complexity of multicomponent supramolecular polymerization in biorelevant environments**
By Vyborny, Mykhailo; Wijnands, Sjors; Jeon, Byoung-Jin; Saleh, Omar; Meijer, E. W.
From ChemRxiv (2020), 1-32. | Language: English, Database: CAPLUS
Aq. multicomponent supramol. systems hold great promise for designing synthetic biomaterials with tailored properties. Inspired by this notion, the authors explore the consequences of modulating the assembly behavior of supramol. polymers based on benzene-1,3,5-trixobamide (BTA) derivs. by the corresponding BTA-DNA conjugate. The authors' data demonstrate the divergence of the assembly mechanisms upon shifting from pure water to buffered saline (pH = 7) upon introducing the DNA conjugate. To follow the morph. transitions, the authors

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The screenshot shows a research database interface with a navigation bar at the top containing 'Explore', 'Saved Searches', 'SciPlanner', 'Link', 'Save', 'Print', and 'Export'. Below the navigation bar is a breadcrumb trail: 'Research Topic "supramolecular hydrogels" > references (3873) > remove 989 references (2884) > refine "2015-" (1929) > refine "Dissertation Journal Letter Pr..." (1652) > refine "English Italian" (1624) > keep analysis "Journal Name" (173) > A minimalistic catalytically-a...'. The main content area is titled 'REFERENCE DETAIL' and includes a 'Get Related Citations' dropdown menu and a 'Link to Other Sources' button highlighted with a yellow box. Below the title is a 'Return' link and 'Previous | Next' navigation. The title of the reference is '1. A minimalistic catalytically-active cell mimetic made of a supra-molecular hydrogel encapsulated into a polymersome'. The authors are listed as 'By: Marti-Centelles, Rosa; Rubio-Magnieto, Jenifer; Escuder, Beatriu'. The abstract describes a minimalistic multicomponent cell mimetic consisting of a fibrillar network formed by the self-assembly of a low mol. wt. compd. (cytoskeleton-like) that is entrapped into a polymersome (membrane-like), namely a jelly-polymersome. A simple imidazole-appended hydrogelator is used to obtain a catalytic nanoreactor able to hydrolyze an ester within the compartment in its self-assembled state. The 'Indexing' section shows 'Pharmaceuticals (Section63)'. The 'Citations' section lists several references with search icons. On the right side, there are several sections: 'QUICK LINKS' (0 Tags, 0 Comments), 'SOURCE' (Chemical Communications (Cambridge, United Kingdom) PagesAhead of Print Journal 2020, CODEN:CHCOFS, ISSN:1359-7345, DOI:10.1039/d0cc04941g), 'COMPANY/ORGANIZATION' (Departament de Química Inorgànica i Orgànica, Universitat Jaume I, Castelló, Spain 12071), 'ACCESSION NUMBER' (2020:2185703, CAPLUS), 'PUBLISHER' (Royal Society of Chemistry), and 'LANGUAGE' (English).

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1. A minimalistic catalytically-active cell mimetic made of a supra-molecular hydrogel encapsulated into a polymersome

By: Marti-Centelles, Rosa; Rubio-Magnieto, Jenifer; Escuder, Beatriu

A minimalistic multicomponent cell mimetic is described consisting of a fibrillar network formed by the self-assembly of a low mol. wt. compd. (cytoskeleton-like) that is entrapped into a polymersome (membrane-like), namely a jelly-polymersome. A simple imidazole-appended hydrogelator is used in order to obtain a catalytic nanoreactor able to hydrolyze an ester within the compartment in its self-assembled state.

Indexing

Pharmaceuticals (Section63)

Citations

Adamala, K; Nat Chem 2013, 5, 495 🔍
Adamala, K; Nat Commun 2016, 7, 11041 🔍
Beneyton, T; Nat Commun 2018, 9, 2391 🔍
Boekhoven, J; Angew Chem, Int Ed 2010, 49, 4825 🔍
Brizard, A; Angew Chem, Int Ed 2008, 47, 2063 🔍
Brizard, A; Soft Matter 2009, 5, 1320 🔍
Buddingh', B; Acc Chem Res 2017, 50, 769 🔍
Chou, H; J Mater Chem B 2014, 2, 6580 🔍
Dziciol, A; Chem Soc Rev 2012, 41, 79 🔍
Elani, Y; Sci Rep 2018, 8, 4564 🔍
Escuder, B; New J Chem 2010, 34, 1044 🔍
Fernandez-Caro, H; Chem Sci 2019, 10, 8930 🔍
Gopfrich, K; Trends Biotechnol 2018, 36, 938 🔍
Hawkins, K; J Am Chem Soc 2020, 142, 4379 🔍
Huang, X; Nat Commun 2013, 4, 2239 🔍
Kakkar, D; Macromol Biosci 2015, 15, 124 🔍
Krishna Kumar, R; Annew Chem. Int Ed 2011. 50. 9343 🔍

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The screenshot shows a web page from the American Chemical Society (CAS). The header includes the CAS logo and the text "Full Text Options". The main content area displays the title of a document: "A minimalistic catalytically-active cell mimetic made of a supra-molecular hydrogel encapsulated into a polymersome". Below the title, it provides publication details: "Chemical Communications (Cambridge, United Kingdom) (2020), Ahead of Print. Publisher: (Royal Society of Chemistry,) CODEN:CHCOFS ISSN:1359-7345." A section titled "Here are the options for the document you requested..." contains a sub-section "Web-based document resources" with a yellow border. Inside this sub-section, a bullet point lists the DOI: "DOI: 10.1039/d0cc04941g". The footer contains links for "Contact Us", "Use & Terms", and "京ICP备13047075号-3", along with the copyright notice "Copyright © 2020 American Chemical Society. All Rights Reserved".

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The screenshot shows a web browser displaying an article from the Royal Society of Chemistry. The URL is <https://pubs.rsc.org/en/content/articlelanding/2020/CC/D0CC04941G>. The page features a navigation bar with 'Publishing', 'Journals', 'Books', and 'Databases'. The article title is 'A minimalistic catalytically-active cell mimetic made of a supra-molecular hydrogel encapsulated into a polymersome'. The authors listed are Rosa Martí-Centelles, Jenifer Rubio-Magnieto, and Beatriu Escuder. The abstract describes a minimalistic multicomponent cell mimetic consisting of a fibrillar network entrapped in a polymersome. On the right side, there are buttons for 'Download this article' (PDF format), 'Article HTML', 'Supplementary files' (Supplementary information PDF), and 'Article information' (DOI link). A citation box at the bottom right is highlighted in yellow, showing the citation: 'Chem. Commun., 2020, 56, 14487-14490' with a 'BibTex' dropdown and a 'Go' button. Three blue arrows point from the text on the left to these specific features: the first to the 'Download this article' button, the second to the 'Supplementary information' link, and the third to the citation box.

Issue 92, 2020

From the journal:

A minimalistic catalytically-active cell mimetic made of a supra-molecular hydrogel encapsulated into a polymersome[†]

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Rosa Martí-Centelles^a, Jenifer Rubio-Magnieto^a and Beatriu Escuder^{in,*a}

Abstract

A minimalistic multicomponent cell mimetic is described consisting of a fibrillar network formed by the self-assembly of a low molecular weight compound (cytoskeleton-like) that is entrapped into a polymersome (membrane-like), namely a jelly-polymersome. A simple imidazole-appended hydrogelator is used in order to obtain a catalytic nanoreactor able to hydrolyze an ester within the compartment in its self-assembled state.

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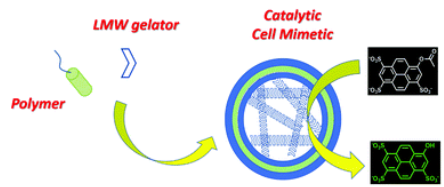
A minimalistic catalytically-active cell mimetic made of a supra-molecular hydrogel encapsulated into a polymersome[†] Check for updates


[Rosa Martí-Centelles](#)^a, [Jenifer Rubio-Magnieto](#)^a and [Beatriu Escuder](#) ^{*a}

[+ Author affiliations](#)

Abstract

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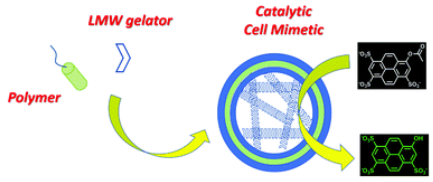
A minimalistic catalytically-active cell mimetic made of a supra-molecular hydrogel encapsulated into a polymersome† Check for updates

Rosa Martí-Centelles,^a Jenifer Rubio-Magnieto^a and Beatriu Escuder ^{a,2}

[Author affiliations](#)

Abstract

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The chemical architecture of the minimal building block of life, the cell, has attracted the attention of researchers in recent times. Cell components and functions have been mimicked with the aim to better understand the chemical basis of cell function as well as to recreate cellular structures using artificial

A minimalistic catalytically-active cell mimetic made of a supra-molecular hydrogel encapsulated into a polymersome

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