

# Package ‘getLattes’

May 8, 2026

**Type** Package

**Title** Import and Process Data from the 'Lattes' Curriculum Platform

**Version** 1.0.0

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**Description** Tool for import and process data from 'Lattes' curriculum platform (<<http://lattes.cnpq.br/>>). The Brazilian government keeps an extensive base of curricula for academics from all over the country, with over 5 million registrations. The academic life of the Brazilian researcher, or related to Brazilian universities, is documented in 'Lattes'. Some information that can be obtained: professional formation, research area, publications, academics advisories, projects, etc. 'getLattes' package allows work with 'Lattes' data exported to XML format.

**License** GPL-3

**Encoding** UTF-8

**RoxygenNote** 7.3.1

**URL** <https://github.com/roneyfraga/getLattes>

**BugReports** <https://github.com/roneyfraga/getLattes/issues>

**Suggests** knitr, rlang, rmarkdown

**VignetteBuilder** knitr

**Imports** xml2, dplyr, tibble, janitor, purrr

**Depends** R (>= 4.1.0)

**NeedsCompilation** no

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**Repository** CRAN

**Date/Publication** 2025-09-19 17:40:02 UTC

## Contents

getAreasAtuacao . . . . .	2
getArtigosAceitos . . . . .	3
getArtigosPublicados . . . . .	4
getAtuacoesProfissionais . . . . .	5
getBancasDoutorado . . . . .	6
getBancasGraduacao . . . . .	7
getBancasMestrado . . . . .	8
getCapitulosLivros . . . . .	9
getDadosGerais . . . . .	10
getEnderecoProfissional . . . . .	11
getEventosCongressos . . . . .	12
getFormacaoDoutorado . . . . .	13
getFormacaoGraduacao . . . . .	14
getFormacaoMestrado . . . . .	15
getId . . . . .	16
getIdiomas . . . . .	17
getLinhaPesquisa . . . . .	18
getLivrosPublicados . . . . .	19
getOrganizacaoEventos . . . . .	20
getOrientacoesDoutorado . . . . .	21
getOrientacoesMestrado . . . . .	22
getOrientacoesPosDoutorado . . . . .	23
getOutrasProducoesTecnicas . . . . .	24
getParticipacaoProjeto . . . . .	25
getPatentes . . . . .	26
getProducaoTecnica . . . . .	27
getTrabalhosEmEventos . . . . .	28
writePublicationsRis . . . . .	29
<b>Index</b>	<b>30</b>

---

getAreasAtuacao	<i>getAreasAtuacao</i>
-----------------	------------------------

---

### Description

Extract Research Area from 'Lattes' XML file.

### Usage

```
getAreasAtuacao(curriculo)
```

### Arguments

curriculo	'Lattes' XML imported as 'xml2::read_xml()':
-----------	--

**Details**

Curriculum without this information will return NULL.

**Value**

data frame

**See Also**

[xml\\_find\\_all](#), [xml\\_attr](#) [bind](#), [mutate](#) [clean\\_names](#)

**Examples**

```
if(interactive()) {  
  
  # to import from one curriculum  
  # curriculo <- xml2::read_xml('file.xml')  
  # getAreasAtuacao(curriculo)  
  
}
```

---

`getArtigosAceitos`      *getArtigosAceitos*

---

**Description**

Extract accepted papers from 'Lattes' XML file.

**Usage**

```
getArtigosAceitos(curriculo)
```

**Arguments**

`curriculo`      'Lattes' XML imported as `'xml2::read_xml()'`.

**Details**

Curriculum without this information will return NULL.

**Value**

data frame

**See Also**

[xml\\_find\\_all](#), [xml\\_attr](#) [map](#), [map2](#), [pmap](#) [bind\\_rows](#), [bind\\_cols](#), [mutate](#) [clean\\_names](#) [tibble](#)

**Examples**

```
if(interactive()) {  
  
  # to import from one curriculum  
  # curriculo <- xml2::read_xml('file.xml')  
  # getArtigosAceitos(curriculo)  
  
}
```

---

getArtigosPublicados    *getArtigosPublicados*

---

**Description**

Extract published papers from 'Lattes' XML file.

**Usage**

```
getArtigosPublicados(curriculo)
```

**Arguments**

curriculo        'Lattes' XML imported as 'xml2::read\_xml()'.

**Details**

Curriculum without this information will return NULL.

**Value**

data frame

**See Also**

[xml\\_find\\_all](#), [xml\\_attr](#) [map](#), [map2](#) [bind](#), [mutate](#) [clean\\_names](#) [tibble](#)

**Examples**

```
if(interactive()) {  
  
  # to import from one curriculum  
  # curriculo <- xml2::read_xml('file.xml')  
  # getArtigosPublicados(curriculo)  
  
}
```

---

```
getAtuacoesProfissionais  
  getAtuacoesProfissionais
```

---

## **Description**

Extract professional links from 'Lattes' XML file.

## **Usage**

```
getAtuacoesProfissionais(curriculo)
```

## **Arguments**

curriculo      'Lattes' XML imported as 'xml2::read\_xml()'.

## **Details**

Curriculum without this information will return NULL.

## **Value**

data frame

## **See Also**

[xml\\_find\\_all](#), [xml\\_attr](#) [map](#), [map2](#) [bind](#), [mutate](#) [clean\\_names](#)

## **Examples**

```
if(interactive()) {  
  # to import from one curriculum  
  # curriculo <- xml2::read_xml('file.xml')  
  # getAtuacoesProfissionais(curriculo)  
}
```

---

`getBancasDoutorado`     *getBancasDoutorado*

---

### **Description**

Extract Ph.D. Examination Board's from 'Lattes' XML file.

### **Usage**

```
getBancasDoutorado(curriculo)
```

### **Arguments**

`curriculo`     'Lattes' XML imported as 'xml2::read\_xml()'.

### **Details**

Curriculum without this information will return NULL.

### **Value**

data frame

### **See Also**

[xml\\_find\\_all](#), [xml\\_attr](#) [map](#), [map2](#) [bind](#), [mutate](#) [clean\\_names](#) [tibble](#)

### **Examples**

```
if(interactive()) {  
  # to import from one curriculum  
  # curriculo <- xml2::read_xml('file.xml')  
  # getBancasDoutorado(curriculo)  
}
```

---

*getBancasGraduacao*     *getBancasGraduacao*

---

### **Description**

Extract Undergraduate Examination Board's from 'Lattes' XML file.

### **Usage**

```
getBancasGraduacao(curriculo)
```

### **Arguments**

curriculo     'Lattes' XML imported as 'xml2::read\_xml()'.

### **Details**

Curriculum without this information will return NULL.

### **Value**

data frame

### **See Also**

[xml\\_find\\_all](#), [xml\\_attr](#) [map](#), [map2](#) [bind](#), [mutate](#) [clean\\_names](#) [tibble](#)

### **Examples**

```
if(interactive()) {  
  # to import from one curriculum  
  # curriculo <- xml2::read_xml('file.xml')  
  # getBancasGraduacao(curriculo)  
}
```

---

`getBancasMestrado`      *getBancasMestrado*

---

### **Description**

Extract Master Examination Board's from 'Lattes' XML file.

### **Usage**

```
getBancasMestrado(curriculo)
```

### **Arguments**

`curriculo`      'Lattes' XML imported as 'xml2::read\_xml()'.

### **Details**

Curriculum without this information will return NULL.

### **Value**

data frame

### **See Also**

[xml\\_find\\_all](#), [xml\\_attr](#) [map](#), [map2](#) [bind](#), [mutate](#) [clean\\_names](#) [tibble](#)

### **Examples**

```
if(interactive()) {  
  # to import from one curriculum  
  # curriculo <- xml2::read_xml('file.xml')  
  # getBancasMestrado(curriculo)  
}
```

---

`getCapitulosLivros`      *getCapitulosLivros*

---

### **Description**

Extract Books Chapter from 'Lattes' XML file.

### **Usage**

```
getCapitulosLivros(curriculo)
```

### **Arguments**

`curriculo`      'Lattes' XML imported as 'xml2::read\_xml()'.

### **Details**

Curriculum without this information will return NULL.

### **Value**

data frame

### **See Also**

[xml\\_find\\_all](#), [xml\\_attr](#) [map](#), [map2](#) [bind](#), [mutate](#) [clean\\_names](#) [tibble](#)

### **Examples**

```
if(interactive()) {  
  # to import from one curriculum  
  # curriculo <- xml2::read_xml('file.xml')  
  # getCapitulosLivros(curriculo)  
}
```

---

<code>getDadosGerais</code>	<code>getDadosGerais</code>
-----------------------------	-----------------------------

---

**Description**

Extract General Data from 'Lattes' XML file.

**Usage**

```
getDadosGerais(curriculo)
```

**Arguments**

`curriculo` 'Lattes' XML imported as `'xml2::read_xml()'`.

**Details**

Curriculum without this information will return NULL.

**Value**

data frame

**See Also**

[xml\\_find\\_all](#), [xml\\_attr](#), [bind](#), [mutate](#), [clean\\_names](#)

**Examples**

```
if(interactive()) {  
  # to import from one curriculum  
  # curriculo <- xml2::read_xml('file.xml')  
  # getDadosGerais(curriculo)  
}
```

---

```
getEnderecoProfissional  
  getEnderecoProfissional
```

---

**Description**

Extract Professional Address from 'Lattes' XML file.

**Usage**

```
getEnderecoProfissional(curriculo)
```

**Arguments**

curriculo      'Lattes' XML imported as 'xml2::read\_xml()'.

**Details**

Curriculum without this information will return NULL.

**Value**

data frame

**See Also**

[xml\\_find\\_all](#), [xml\\_attr](#) [bind](#), [mutate](#) [clean\\_names](#)

**Examples**

```
if(interactive()) {  
  # to import from one curriculum  
  # curriculo <- xml2::read_xml('file.xml')  
  # getEnderecoProfissional(curriculo)  
}
```

---

getEventosCongressos *getEventosCongressos*

---

### Description

Extract Events and Congresses from 'Lattes' XML file.

### Usage

```
getEventosCongressos(curriculo)
```

### Arguments

curriculo        'Lattes' XML imported as 'xml2::read\_xml()'.

### Details

Curriculum without this information will return NULL.

### Value

data frame

### See Also

[xml\\_find\\_all](#), [xml\\_attr](#), [xml\\_children](#) [map](#), [map2](#) [bind](#), [mutate](#), [select](#) [clean\\_names](#) [tibble](#)

### Examples

```
if(interactive()) {  
  # to import from one curriculum  
  # curriculo <- xml2::read_xml('file.xml')  
  # getEventosCongressos(curriculo)  
}
```

---

`getFormacaoDoutorado` *getFormacaoDoutorado*

---

### **Description**

Extract Professional Formation from 'Lattes' XML file.

### **Usage**

```
getFormacaoDoutorado(curriculo)
```

### **Arguments**

`curriculo` 'Lattes' XML imported as `'xml2::read_xml()'`.

### **Details**

Curriculum without this information will return NULL.

### **Value**

data frame

### **See Also**

[xml\\_find\\_all](#), [xml\\_attr](#), [xml\\_children](#) [map](#), [map2](#) [bind](#), [mutate](#) [clean\\_names](#) [tibble](#)

### **Examples**

```
if(interactive()) {  
  # to import from one curriculum  
  # curriculo <- xml2::read_xml('file.xml')  
  # getFormacaoDoutorado(curriculo)  
}
```

---

getFormacaoGraduacao *getFormacaoGraduacao*

---

### Description

Extract Professional Formation from 'Lattes' XML file.

### Usage

```
getFormacaoGraduacao(curriculo)
```

### Arguments

curriculo        'Lattes' XML imported as 'xml2::read\_xml()'.

### Details

Curriculum without this information will return NULL.

### Value

data frame

### See Also

[xml\\_find\\_all](#), [xml\\_attr](#) [map](#) [bind](#), [mutate](#) [clean\\_names](#)

### Examples

```
if(interactive()) {  
  # to import from one curriculum  
  # curriculo <- xml2::read_xml('file.xml')  
  # getFormacaoGraduacao(curriculo)  
}
```

---

`getFormacaoMestrado`    *getFormacaoMestrado*

---

### **Description**

Extract Professional Formation from 'Lattes' XML file.

### **Usage**

```
getFormacaoMestrado(curriculo)
```

### **Arguments**

`curriculo`        'Lattes' XML imported as 'xml2::read\_xml()'.

### **Details**

Curriculum without this information will return NULL.

### **Value**

data frame

### **See Also**

[xml\\_find\\_all](#), [xml\\_attr](#), [xml\\_children](#) [map](#), [map2](#) [bind](#), [mutate](#) [clean\\_names](#) [tibble](#)

### **Examples**

```
if(interactive()) {  
  # to import from one curriculum  
  # curriculo <- xml2::read_xml('file.xml')  
  # getFormacaoMestrado(curriculo)  
}
```

---

`getId`*getId*

---

**Description**

Extract the unique 16 digits identification from 'Lattes' XML file.

**Usage**

```
getId(curriculo)
```

**Arguments**

`curriculo` 'Lattes' XML imported as `'xml2::read_xml()'`.

**Details**

Curriculum without this information will return NULL.

**Value**

character

**See Also**

[xml\\_attr](#) [bind](#), [select](#), [pull](#)

**Examples**

```
if(interactive()) {  
  # to import from one curriculum  
  # curriculo <- xml2::read_xml('file.xml')  
  # getId(curriculo)  
}
```

---

`getIdiomas`*getIdiomas*

---

**Description**

Extract Languages from 'Lattes' XML file.

**Usage**

```
getIdiomas(curriculo)
```

**Arguments**

`curriculo` 'Lattes' XML imported as `'xml2::read_xml()'`.

**Details**

Curriculum without this information will return NULL.

**Value**

data frame

**See Also**

[xml\\_find\\_all](#), [xml\\_children](#), [xml\\_attr](#) [map](#) [bind](#), [mutate](#) [clean\\_names](#)

**Examples**

```
if(interactive()) {  
  # to import from one curriculum  
  # curriculo <- xml2::read_xml('file.xml')  
  # getIdiomas(curriculo)  
}
```

---

<code>getLinhaPesquisa</code>	<code><i>getLinhaPesquisa</i></code>
-------------------------------	--------------------------------------

---

### **Description**

Extract Research Lines from 'Lattes' XML file.

### **Usage**

```
getLinhaPesquisa(curriculo)
```

### **Arguments**

`curriculo` 'Lattes' XML imported as `'xml2::read_xml()'`.

### **Details**

Curriculum without this information will return NULL.

### **Value**

data frame

### **See Also**

[xml\\_find\\_all](#), [xml\\_attr](#) [map](#), [map2](#) [bind](#), [mutate](#) [clean\\_names](#)

### **Examples**

```
if(interactive()) {  
  # to import from one curriculum  
  # curriculo <- xml2::read_xml('file.xml')  
  # getLinhaPesquisa(curriculo)  
}
```

---

`getLivrosPublicados`    *getLivrosPublicados*

---

### **Description**

Extract Published Books from 'Lattes' XML file.

### **Usage**

```
getLivrosPublicados(curriculo)
```

### **Arguments**

`curriculo`        'Lattes' XML imported as 'xml2::read\_xml()'.

### **Details**

Curriculum without this information will return NULL.

### **Value**

data frame

### **See Also**

[xml\\_find\\_all](#), [xml\\_attr](#), [xml\\_children](#) [map](#), [map2](#) [bind](#), [mutate](#), [select](#) [clean\\_names](#) [tibble](#)

### **Examples**

```
if(interactive()) {  
  # to import from one curriculum  
  # curriculo <- xml2::read_xml('file.xml')  
  # getLivrosPublicados(curriculo)  
}
```

---

getOrganizacaoEventos *getOrganizacaoEventos*

---

### Description

Extract Event's Organization from 'Lattes' XML file.

### Usage

```
getOrganizacaoEventos(curriculo)
```

### Arguments

curriculo        'Lattes' XML imported as 'xml2::read\_xml()'.

### Details

Curriculum without this information will return NULL.

### Value

data frame

### See Also

[xml\\_find\\_all](#), [xml\\_attr](#) [map](#), [map2](#) [bind](#), [mutate](#) [clean\\_names](#) [tibble](#)

### Examples

```
if(interactive()) {  
  # to import from one curriculum  
  # curriculo <- xml2::read_xml('file.xml')  
  # getOrganizacaoEventos(curriculo)  
}
```

---

```
getOrientacoesDoutorado  
  getOrientacoesDoutorado
```

---

### **Description**

Extract Academic Advisory (Ph.D. Thesis) from "Lattes' XML file.

### **Usage**

```
getOrientacoesDoutorado(curriculo)
```

### **Arguments**

curriculo      'Lattes' XML imported as 'xml2::read\_xml()'

### **Details**

Curriculum without this information will return NULL.

### **Value**

data frame

### **See Also**

[xml\\_find\\_all](#), [xml\\_attr](#) [map](#), [map2](#) [bind](#), [mutate](#) [clean\\_names](#)

### **Examples**

```
if(interactive()){  
  # to import from one curriculum  
  # curriculo <- xml2::read_xml('file.xml')  
  # getOrientacoesDoutorado(curriculo)  
}
```

---

```
getOrientacoesMestrado  
  getOrientacoesMestrado
```

---

## Description

Extract Academic Advisory (Master Thesis) from 'Lattes' XML file.

## Usage

```
getOrientacoesMestrado(curriculo)
```

## Arguments

curriculo      'Lattes' XML imported as 'xml2::read\_xml()'.

## Details

Curriculum without this information will return NULL.

## Value

data frame

## See Also

[xml\\_find\\_all](#), [xml\\_attr](#) [map](#), [map2](#) [bind](#), [mutate](#) [clean\\_names](#)

## Examples

```
if(interactive()){  
  # to import from one curriculum  
  # curriculo <- xml2::read_xml('file.xml')  
  # getOrientacoesMestrado(curriculo)  
}
```

---

```
getOrientacoesPosDoutorado  
  getOrientacoesPosDoutorado
```

---

**Description**

Extract Academic Advisory (Post-Doctorate) from 'Lattes' XML file.

**Usage**

```
getOrientacoesPosDoutorado(curriculo)
```

**Arguments**

curriculo      'Lattes' XML imported as 'xml2::read\_xml()'.

**Details**

Curriculum without this information will return NULL.

**Value**

data frame

**See Also**

[xml\\_find\\_all](#), [xml\\_attr](#) [map](#), [map2](#) [bind](#), [mutate](#) [clean\\_names](#)

**Examples**

```
if(interactive()){  
  # to import from one curriculum  
  # curriculo <- xml2::read_xml('file.xml')  
  # getOrientacoesPosDoutorado(curriculo)  
}
```

---

```
getOutrasProducoesTecnicas  
  getOutrasProducoesTecnicas
```

---

### **Description**

Extract Other Technical Productions from 'Lattes' XML file.

### **Usage**

```
getOutrasProducoesTecnicas(curriculo)
```

### **Arguments**

curriculo      'Lattes' XML imported as 'xml2::read\_xml()'.

### **Details**

Curriculum without this information will return NULL.

### **Value**

data frame

### **See Also**

[xml\\_find\\_all](#), [xml\\_attr](#), [xml\\_children](#) [map](#), [map2](#) [bind](#), [mutate](#) [clean\\_names](#) [tibble](#)

### **Examples**

```
if(interactive()) {  
  # to import from one curriculum  
  # curriculo <- xml2::read_xml('file.xml')  
  # getOutrasProducoesTecnicas(curriculo)  
}
```

---

```
getParticipacaoProjeto  
  getParticipacaoProjeto
```

---

### **Description**

Extract Participation in Projects from 'Lattes' XML file.

### **Usage**

```
getParticipacaoProjeto(curriculo)
```

### **Arguments**

curriculo        'Lattes' XML imported as 'xml2::read\_xml()'.

### **Details**

Curriculum without this information will return NULL.

### **Value**

data frame

### **See Also**

[xml\\_find\\_all](#), [xml\\_attr](#), [xml\\_children](#) [map](#), [map2](#) [bind](#), [mutate](#) [clean\\_names](#) [tibble](#)

### **Examples**

```
if(interactive()) {  
  # to import from one curriculum  
  # curriculo <- xml2::read_xml('file.xml')  
  # getParticipacaoProjeto(curriculo)  
}
```

---

getPatentes	<i>getPatentes</i>
-------------	--------------------

---

**Description**

Extract Patent data from 'Lattes' XML file.

**Usage**

```
getPatentes(curriculo)
```

**Arguments**

curriculo      'Lattes' XML imported as 'xml2::read\_xml()'.

**Details**

Curriculum without this information will return NULL.

**Value**

data frame

**See Also**

[xml\\_find\\_all](#), [xml\\_attr](#) [bind](#), [distinct](#), [mutate](#) [clean\\_names](#)

**Examples**

```
if(interactive()) {  
  # to import from one curriculum  
  # curriculo <- xml2::read_xml('file.xml')  
  # getPatentes(curriculo)  
}
```

---

`getProducaoTecnica`     *getProducaoTecnica*

---

**Description**

Extract Technical Production from 'Lattes' XML file.

**Usage**

```
getProducaoTecnica(curriculo)
```

**Arguments**

`curriculo`     'Lattes' XML imported as 'xml2::read\_xml()'.

**Details**

Curriculum without this information will return NULL.

**Value**

data frame

**See Also**

[xml\\_find\\_all](#), [xml\\_attr](#) [map](#), [map2](#) [bind](#), [mutate](#), [select](#) [clean\\_names](#) [tibble](#)

**Examples**

```
if(interactive()) {  
  # to import from one curriculum  
  # curriculo <- xml2::read_xml('file.xml')  
  # getProducaoTecnica(curriculo)  
}
```

---

getTrabalhosEmEventos *getTrabalhosEmEventos*

---

### Description

Extract published papers from 'Lattes' XML file.

### Usage

```
getTrabalhosEmEventos(curriculo)
```

### Arguments

curriculo        'Lattes' XML imported as 'xml2::read\_xml()'.

### Details

Curriculum without this information will return NULL.

### Value

data frame

### See Also

[xml\\_find\\_all](#), [xml\\_attr](#) [map](#), [map2](#) [bind](#), [mutate](#) [clean\\_names](#) [tibble](#)

### Examples

```
if(interactive()) {  
  # to import from one curriculum  
  # curriculo <- xml2::read_xml('file.xml')  
  # getTrabalhosEmEventos(curriculo)  
}
```

---

`writePublicationsRis writePublicationsRis`

---

**Description**

Function to convert and export Published Articles and Books to RIS format.

**Usage**

```
writePublicationsRis(  
  x,  
  filename = "papers.ris",  
  append = F,  
  citationName = F,  
  tableLattes = "ArtigosPublicados"  
)
```

**Arguments**

<code>x</code>	data frame
<code>filename</code>	external file where the data will be saved, Default: 'papers.ris'
<code>append</code>	to an existing file, Default: F
<code>citationName</code>	authors name field, Default: F
<code>tableLattes</code>	bibliographic data to be exported, 'ArtigosPublicados', 'Livros' or 'CapitulosLivros', Default: 'ArtigosPublicados'

**Value**

data frame

**Examples**

```
## Not run:  
if(interactive()){  
  #EXAMPLE1  
}  
  
## End(Not run)
```

# Index

bind, [3–28](#)  
bind\_cols, [3](#)  
bind\_rows, [3](#)

clean\_names, [3–15](#), [17–28](#)

distinct, [26](#)

getAreasAtuacao, [2](#)  
getArtigosAceitos, [3](#)  
getArtigosPublicados, [4](#)  
getAtuacoesProfissionais, [5](#)  
getBancasDoutorado, [6](#)  
getBancasGraduacao, [7](#)  
getBancasMestrado, [8](#)  
getCapitulosLivros, [9](#)  
getDadosGerais, [10](#)  
getEnderecoProfissional, [11](#)  
getEventosCongressos, [12](#)  
getFormacaoDoutorado, [13](#)  
getFormacaoGraduacao, [14](#)  
getFormacaoMestrado, [15](#)  
getId, [16](#)  
getIdiomias, [17](#)  
getLinhaPesquisa, [18](#)  
getLivrosPublicados, [19](#)  
getOrganizacaoEventos, [20](#)  
getOrientacoesDoutorado, [21](#)  
getOrientacoesMestrado, [22](#)  
getOrientacoesPosDoutorado, [23](#)  
getOutrasProducoesTecnicas, [24](#)  
getParticipacaoProjeto, [25](#)  
getPatentes, [26](#)  
getProducaoTecnica, [27](#)  
getTrabalhosEmEventos, [28](#)

map, [3–9](#), [12–15](#), [17–25](#), [27](#), [28](#)  
map2, [3–9](#), [12](#), [13](#), [15](#), [18–25](#), [27](#), [28](#)  
mutate, [3–15](#), [17–28](#)

pmap, [3](#)

pull, [16](#)

select, [12](#), [16](#), [19](#), [27](#)

tibble, [3](#), [4](#), [6–9](#), [12](#), [13](#), [15](#), [19](#), [20](#), [24](#), [25](#),  
[27](#), [28](#)

writePublicationsRis, [29](#)

xml\_attr, [3–28](#)  
xml\_children, [12](#), [13](#), [15](#), [17](#), [19](#), [24](#), [25](#)  
xml\_find\_all, [3–15](#), [17–28](#)