

In[*]:=

```
<<lily`arxiv`
```

set the file names

```
(*default setting*)  
(*fileNameFormat["ID"<>" "<>"title"<>," "<>"firstAuthor"];*)
```

set the paths of input and output

In[*]:=

```
pathSource="put the folder path containing PDF files here";  
pathTarget="put the exporting path here";
```

test data

In[*]:=

```
pathExample=pathSource  
fileExample=RandomChoice[FileNames[ "__~".pdf"~~EndOfString,pathSource],1]  
stringExample=RandomChoice[fileNamesInPath[pathSource],10]
```

Extract, search and download by arXiv ID

extractID

In[*]:=

```
extractID[]@stringExample
```

```
extractID["file"]@fileExample
```

```
extractID["path"]@pathExample
```

searchByID

In[*]:=

```
searchByID[]@stringExample
```

In[*]:=

```
searchByID["file"]@fileExample
```

```
searchByID["path"]@pathExample
```

downloadByID

In[*]:=

```
downloadByID[pathTarget]@stringExample
```

In[*]:=

```
downloadByID[pathTarget,"file"]@fileExample
```

In[*]:=

```
downloadByID[pathTarget,"path"]@pathExample
```

generateBibTeXByID

```
In[*]:= generateBibTeXByID[pathTarget,"refs.bib"]@stringExample
```

```
In[*]:= generateBibTeXByID[pathTarget,"refs.bib","file"]@fileExample
```

```
In[*]:= generateBibTeXByID[pathTarget,"refs.bib","path"]@pathExample
```

Extract, search and download by title

extractTitle

```
extractTitle["file"]@fileExample
```

```
extractTitle["path"]@pathExample
```

searchByTitle

```
In[*]:= searchByTitle["file"]@fileExample
```

```
In[*]:= searchByTitle["path"]@pathExample
```

downloadByTitle

```
In[*]:= downloadByTitle[pathTarget,"file"]@fileExample
```

```
In[*]:= downloadByTitle[pathTarget,"path"]@pathExample
```