**Supplemental Table S1: Fields in each Citation object.** Our definition of a Citation object is based on the BibJSON format (<http://okfnlabs.org/bibjson/>), which is itself based on the BibTeX format [(Patashnik, 1988)](https://paperpile.com/c/Yi0Orh/zTuF). All of the fields in the table come from those formats, except for “bibliographicCitation”, which is defined in the Dublin Core standard (<http://purl.org/dc/terms/bibliographicCitation>).Note that only the “bibliographicCitation” field will carry over to RDF (and thus OWL ontology) transformation. If it does not have a value, the phyx.js library will compute its value from the other fields.

|  |  |  |  |
| --- | --- | --- | --- |
| **Field name** | **Description** | **Type** | **Example** |
| bibliographicCitation | A bibliographic reference for the resource. If not included, one will be generated from the other fields in this citation. | String | Kirsten M. Fisher, Dennis P. Wall, Kwok Leung Yip, Brent D. Mishler (1 March 2007) Phylogeny of the Calymperaceae with a rank-free systematic treatment. The Bryologist, 110(1):46-73, doi: 10.1639/0007-2745(2007)110[46:POTCWA]2.0.CO;2 |
| type | The type of this citation. Should be one of the BibTeX entry types (https://www.bibtex.com/e/entry-types/), such as “article”, “book”, “inbook” and so on. | String | article |
| title | The title of this publication. | String | Integrating molecular phylogenetic and paleobotanical evidence on origin of the flower. |
| year | The year of publication. | Integer | 2008 |
| authors | A list of authors of this publication. Each author is described with the following fields: | Array of Objects |  |
| - name | The full name of the author. | String | J. A. Doyle |
| - alternate | A list of alternate representations of the author name. | Array of Strings | [ “Doyle, J. A.” ] |
| - firstname | The first (or given) name of the author. | String | J. |
| - middlename | The middle name of the author. | String | A. |
| - lastname | The last (or family) name of the author. | String | Doyle |
| editors | A list of editors, in the same format as the authors. | Array of Objects | See author example above. |
| series\_editors | A list of series editors, in the same format as the authors. | Array of Objects | See author example above. |
| identifier | A list of identifiers, each of which has the following properties: | Array of Objects |  |
| - type | **Required.** The type of identifier. | String | doi, issn |
| - id | **Required.** The identifier itself. | String | 10.1086/589887, 0002-9327 |
| link | A list of links with the following properties: | Array of Objects |  |
| - url | **Required.** A URL to this article | URL | <https://www.journals.uchicago.edu/doi/10.1086/589887> |
| journal | An object containing information on the journal this publication belongs to. A journal can have the following properties: | Object |  |
| - name | **Required.** The journal name. | String | International Journal of Plant Science |
| - volume | The journal volume. | String | 169 |
| - number | The issue number. | String | 7 |
| - pages | The page numbers of the journal that this citation refers to. | String | 816--843 |
| - identifier | A list of identifiers (for the journal), in the same format as the “identifier” properties above. | Array of Objects | [ {    "id": "0002-9327", "type": "issn"  } ] |
| booktitle | The title of the book that this publication is part of. | String | Phylonyms |
| publisher | The publisher of this publication. | String | The University of Chicago Press |
| city | The city in which this publication was published. | String | Chicago, IL |
| pages | The page numbers of this publication that this citation should refer to. | String | 816--843 |
| figure | The figures this citation refers to. | String | 3C, 3A, 4 |