Listing 1: The JSON structure used for articles

```
1  {
2    "$schema": "http://json-schema.org/draft-07/schema#",
3    "paper": {
4      "type": "object",
5      "properties": {
6        "id": {
7          "type": "integer"
8        },
9        "published_unix": {
10         "type": "integer",
11         "minimum": 0,
12         "exclusiveMinimum": true,
13         "description": "article publication year"
14       },
15       "title": {
16         "type": "string"
17       },
18       "abstract": {
19         "type": "string"
20       },
21       "author": {
22         "type": "array",
23         "items": {
24           "type": "string"
25         },
26       },
27     },
28     "required": [
29       "id",
30       "publishedUnix",
31       "title",
32       "abstract",
33       "author",
34     ]
35   }
36 }
```