

# KAKEN Researcher Search JSON Definitions

National Institute of Informatics

Aug. 2019

No.	Contents	The 1st Level	The 2nd Level	The 3rd Level	The 4th Level	The 5th Level	Type	Notes
1	Researcher Information	researchers					array	
2	ACCN		accn				string	
3	Data Source		recordSource				object	
4	Data Source (KAKEN-derived)			id:person:kakenhi			array	
5	Data Source (eRad-derived)			id:person:erad_pseudo_unique			array	
6	Related information's ID		relation:relatedResource				array	
7	Research Project Number			id:project:kakenhi			string	
8	eRad Researcher Number		id:person:erad				array	
9	eRad Researcher Number (incorrect ID)		id:person:erad:alternative				array	
10	JST Researcher Number		id:person:jst				array	
11	ResearchMap Researcher Number		id:person:researchmap				array	
12	J-GLOBAL Researcher Number		id:person:jglobal				array	
13	ORCID Researcher Number		id:orcid				array	
14	Researcher Name Information (Representative)		name				object	
15	Researcher Name, Family Name			name:familyName			array	
16	Researcher Name, Family Name, Language				lang		string	iso639-1
17	Researcher Name, Family Name, Text				text		string	
18	Researcher Name, Given Name			name:givenName			array	
19	Researcher Name, Given Name, Language				lang		string	iso639-1
20	Researcher Name, Given Name, Text				text		string	
21	Researcher Name, Start Date			since			object	
22	Researcher Name, Start Date, Value				humanReadableValue		string	
23	Researcher Name, Start Date (Year)				commonEra:year		int	
24	Researcher Name, Start Date (Month)				month		int	
25	Researcher Name, Start Date (Day)				day		int	
26	Researcher Name, End Date			util			object	
27	Researcher Name, End Date, Value				humanReadableValue		string	
28	Researcher Name, End Date (Year)				commonEra:year		int	
29	Researcher Name, End Date (Month)				month		int	
30	Researcher Name, End Date (Day)				day		int	
31	Researcher Name Information		names				array	
32	Researcher Name, Display Order			sequence			int	
33	Researcher Name, Full Name			humanReadableValue			array	
34	Researcher Name, Full Name, Language				lang		string	iso639-1
35	Researcher Name, Full Name, Text				text		string	
36	Researcher Name, Start Date			since			object	
37	Researcher Name, Start Date (Year)				commonEra:year		int	
38	Researcher Name, Start Date (Month)				month		int	
39	Researcher Name, Start Date (Day)				day		int	
40	Researcher Name, End Date			util			object	
41	Researcher Name, End Date (Year)				commonEra:year		int	
42	Researcher Name, End Date (Month)				month		int	
43	Researcher Name, End Date (Day)				day		int	
44	Researcher Name, Family Name			name:familyName			array	
45	Researcher Name, Family Name, Language				lang		string	iso639-1
46	Researcher Name, Family Name, Text				text		string	
47	Researcher Name, Given Name			name:givenName			array	
48	Researcher Name, Given Name, Language				lang		string	iso639-1
49	Researcher Name, Given Name, Text				text		string	
50	Current Affiliation		affiliations:current				array	
51	Affiliation, Display Order			sequence			int	
52	Affiliation, Start Date			since			object	

No.	Contents	The 1st Level	The 2nd Level	The 3rd Level	The 4th Level	The 5th Level	Type	Notes
53	Affiliation, Start Date, Value				humanReadableValue		string	
54	Affiliation, Start Date (Year)				commonEra:year		int	
55	Affiliation, Start Date (Month)				month		int	
56	Affiliation, Start Date (Day)				day		int	
57	Affiliation, End Date				util		object	
58	Affiliation, End Date, Value				humanReadableValue		string	
59	Affiliation, End Date (Year)				commonEra:year		int	
60	Affiliation, End Date (Month)				month		int	
61	Affiliation, End Date (Day)				day		int	
62	Affiliated Instituion				affiliation:institution		object	
63	Affiliated Instituion, Value				humanReadableValue		array	
64	Affiliated Instituion, Language					lang	string	iso639-1
65	Affiliated Instituion, Text					text	string	
66	Affiliated Instituion, Institution Type				category:institution:kakenhi		string	
67	Affiliated Instituion, Research Institution Code (NII Code)				id:institution:kakenhi		string	
68	Affiliated Instituion, MEXT Code				id:institution:mext		string	
69	Affiliated Instituion, JSPS Code				id:institution:jsp		string	
70	Affiliated Instituion, JST Code				id:institution:jst		string	
71	Affiliated Instituion, eRad Code				id:institution:erad		string	
72	Affiliated Department				affiliation:department		object	
73	Affiliated Department, Value				humanReadableValue		array	
74	Affiliated Department, Language					lang	string	iso639-1
75	Affiliated Department, Text					text	string	
76	Affiliated Department, MEXT Code				id:department:mext		string	
77	Affiliated Department, JSPS Code				id:department:jsp		string	
78	Affiliated Department, JST Code				id:department:jst		string	
79	Affiliated Department, eRad Code				id:department:erad		string	
80	Job Title				affiliation:jobTitle		object	
81	Job Title, Value				humanReadableValue		array	
82	Job Title, Language					lang	string	iso639-1
83	Job Title, Text					text	string	
84	Job Title, MEXT Code				id:jobTitle:mext		string	
85	Job Title, JSPS Code				id:jobTitle:jsp		string	
86	Job Title, JST Code				id:jobTitle:jst		string	
87	Job Title, eRad Code				id:jobTitle:erad		string	
88	Past Affiliation (Based on the past Research Project Information)				affiliations:history		array	
89	Affiliation, Display Order				sequence		int	
90	Affiliation, Start Date				since		object	
91	Affiliation, Start Date, Value				humanReadableValue		string	
92	Affiliation, Start Date (Year)				commonEra:year		int	
93	Affiliation, Start Date (Month)				month		int	
94	Affiliation, Start Date (Day)				day		int	
95	Affiliation, End Date				util		object	
96	Affiliation, End Date, Value				humanReadableValue		string	
97	Affiliation, End Date (Year)				commonEra:year		int	
98	Affiliation, End Date (Month)				month		int	
99	Affiliation, End Date (Day)				day		int	
100	Affiliated Instituion				affiliation:institution		object	
101	Affiliated Instituion, Value				humanReadableValue		array	
102	Affiliated Instituion, Language					lang	string	iso639-1
103	Affiliated Instituion, Text					text	string	
104	Affiliated Instituion, Institution Type				category:institution:kakenhi		string	
105	Affiliated Instituion, Research Institution Code (NII Code)				id:institution:kakenhi		string	
106	Affiliated Instituion, MEXT Code				id:institution:mext		string	
107	Affiliated Instituion, JSPS Code				id:institution:jsp		string	

No.	Contents	The 1st Level	The 2nd Level	The 3rd Level	The 4th Level	The 5th Level	Type	Notes
108	Affiliated Institution, JST Code				id:institution:jst		string	
109	Affiliated Institution, eRad Code				id:institution:erad		string	
110	Affiliated Department			affiliation:department			object	
111	Affiliated Department, Value				humanReadableValue		array	
112	Affiliated Department, Language					lang	string	iso639-1
113	Affiliated Department, Text					text	string	
114	Affiliated Department, MEXT Code				id:department:mext		string	
115	Affiliated Department, JSPS Code				id:department:jsp		string	
116	Affiliated Department, JST Code				id:department:jst		string	
117	Affiliated Department, eRad Code				id:department:erad		string	
118	Job Title			affiliation:jobTitle			object	
119	Job Title, Value				humanReadableValue		array	
120	Job Title, Language					lang	string	iso639-1
121	Job Title, Text					text	string	
122	Job Title, MEXT Code				id:jobTitle:mext		string	
123	Job Title, JSPS Code				id:jobTitle:jsp		string	
124	Job Title, JST Code				id:jobTitle:jst		string	
125	Job Title, eRad Code				id:jobTitle:erad		string	
126	<a href="#">Research Project (Refer to Research Project Sheet)</a>		work:project				array	
127	<a href="#">Ongoing Research Project (Refer to Research Project Sheet)</a>		ongoing				object	
128	<a href="#">Research Output (Refer to Research Output Sheet)</a>		work:product				array	
129	Total Number of Search Results	totalResults					int	
130	Location of Start Index for Acquired Search Results	startIndex					int	
131	Specified Number of Acquired Items	itemsPerPage					int	

No.	Contents	The 1st Level	The 2nd Level	The 3rd Level	The 4th Level	Type	Notes
1	Research Project	work:project				array	
2	Data Source		recordSource			object	
3	Research Project Number			id:project:kakenhi			
4	Researcher Role		role			array	
5	Researcher Role, Value			humanReadableValue		object	
6	Researcher Role, Language				lang	string	iso639-1
7	Researcher Role, Text				text	string	
8	Researcher Role, Code			code:roleInProject:kakenhi		string	
9	Research Project Title		title			array	
10	Research Project Title, Value			humanReadableValue		array	
11	Research Project Title, Language				lang	string	iso639-1
12	Research Project Title, Text				text	string	
13	Research Field		field			array	
14	Research Field, Value			humanReadableValue		array	
15	Research Field, Language				lang	string	iso639-1
16	Research Field, Text				text	string	
17	Research Field, Code (Indicate level)				path	string	
18	Research Field, Code (NII Code)				niiCode	string	
19	Research Field, Display Order				sequence	int	Indicates what number of field information within the same project
20	Category Type		category			array	
21	Category Type, Value			humanReadableValue		array	
22	Category Type, Language				lang	string	iso639-1
23	Category Type, Text				text	string	
24	Category Type, Code (Indicate level)				path	string	
25	Category Type, Code (NII Code)				niiCode	string	
26	Research Institution		institution			array	
27	Research Institution, Value			humanReadableValue		array	
28	Research Institution, Language				lang	string	iso639-1
29	Research Institution, Text				text	string	
30	Research Institution, Code (NII Code)				niiCode	string	
31	Research Institution, Display Order				sequence	int	
32	Keyword		keyword			array	
33	Keyword, Value			humanReadableValue		array	
34	Keyword, Language				lang	string	iso639-1, "und" fixed
35	Keyword, Text				text	string	
36	Project Period, Start Date		since			object	
37	Project Period, Start Date, Value			fiscal:year		object	
38	Project Period, Start Date (Year)				commonEra:year	string	
39	Project Period, Start Date (Month)				firstDate:month	int	4 fixed
40	Project Period, Start Date (Day)				firstDate:day	int	1 fixed
41	Project Period, End Date		until			object	
42	Project Period, End Date, Value			fiscal:year		object	
43	Project Period, End Date (Year)				commonEra:year	string	
44	Project Status		projectStatus			object	
45	Project Status, Applicable Date, Value			fiscal:year		object	

No.	Contents	The 1st Level	The 2nd Level	The 3rd Level	The 4th Level	Type	Notes
46	Project Status, Applicable Date (Year)				commonEra:year	string	
47	Project Status, Applicable Date (Month)				firstDate:month	int	4 fixed
48	Project Status, Applicable Date (Day)				firstDate:day	int	1 fixed
49	Project Status, Code			statusCode		string	
50	Researcher		member			array	
51	Researcher, eRad Code			id:person:erad		string	
52	Researcher, Role			role		array	
53	Researcher, Role, Code				code:roleInProject:kakenhi	string	
54	Researcher, Name			person:name		array	
55	Researcher, Name, Language				lang	string	
56	Researcher, Text				text	string	
57	Researcher, Affiliation			institution:name		array	
58	Researcher, Affiliation, Language				lang	string	
59	Researcher, Affiliation, Text				text	string	
60	Researcher, Department			department:name		array	
61	Researcher, Department, Language				lang	string	
62	Researcher, Department, Text				text	string	
63	Researcher, Job Title			jobTitle		array	
64	Researcher, Job Title, Language				lang	string	
65	Researcher, Job Title, Text				text	string	
66	Display Order			sequence		int	
67	Ongoing Project	ongoing				object	"Ongoing Project" to display on the List of Search Results screen
68	Ongoing Project, Researcher Role		role			array	
69	Ongoing Project, Researcher Role, Code			code:roleInProject:kakenhi		string	
70	Ongoing Project, Project Title		title			array	
71	Ongoing Project, Project Title, Value			humanReadableValue		array	
72	Ongoing Project, Project Title, Language				lang	string	
73	Ongoing Project, Project Title, Text				text	string	

No.	Contents	The 1st Level	The 2nd Level	The 3rd Level	The 4th Level	The 5th Level	Type	Notes
1	Research Output	work:product					array	
2	ACCN		accn				array	
3	Data Source		recordSource				object	
4	Research Project Output ID			id:product:kakenhi			array	
5	Research Output Type		resourceType				string	
6	Peer Reviewed or Not		attribute:reviewed				boolean	
7	Invited Lecture or Not		attribute:invited				boolean	
8	Overseas or not		attribute:foreign				boolean	
9	Open Access or Not		rights:accessLevel				string	
10	With or Without Acknowledgement		attribute:acknowledgement				boolean	
11	International Co-authorship/Conference or Not		attribute:jointInternationalResearch				boolean	
12	Language		language				string	iso639-3
13	Data Source		relation:relatedResource				array	
14	Research Project Number			id:project:kakenhi			string	
15	Data element defined by junii2 Ichushi ID Link to the full text Information about the version It is a different version There are different versions It is required It is a different format There are different formats			uri			string	
16	"Identifier of Other Resource" defined by junii2			unclassified			string	
17	DOI		id:doi				array	
18	DOI, Value			value			string	
19	DOI before Normalization		attribute:id:doi:asWritten				array	
20	DOI before Normalization, String			text			string	
21	DOI before Normalization, Extraction of Candidate DOI			valueExtracted			array	
22	DOI before Normalization, Candidate DOI, Value				value		string	
23	DOI before Normalization, Candidate DOI, Whether it exists in other source or not				existenceConfirmed		boolean	
24	PubMedID		id:pmid				string	
25	PubMedCID		id:pmcid				string	
26	ISSN		source:issn				array	
27	ISSN value			value			string	
28	NCID		source:ncid				string	
29	J-GLOBAL ID		id:jglobal				string	
30	ISBN		source:isbn				array	
31	ISBN, Value			value			string	
32	NAID:CI.nii Books or Articles ID		id:naid				object	
33	NAID:CI.nii Books or Articles ID's value			value			string	
34	Patent (Industrial Property Right)		id:patentId				object	
35	Patent (Industrial Property Right), Patent Type			applicationType			string	
36	Patent (Industrial Property Right), Application Number			applicationNumber			string	
37	Patent (Industrial Property Right), Publication Number			publicationNumber			string	
38	URL		id:uri				string	
39	Author's/Presenter's Name (extracted from KAKEN)		attribute:creator:candidate				array	
40	Author's/Presenter's Name (Whether it is estimated from aggregation or not)			estimated			boolean	
41	Author's/Presenter's Name, List			list			array	
42	Author's/Presenter's Name, Display Order				sequence		int	
43	Author's/Presenter's Name, Name				person:name		array	
44	Author's/Presenter's Name, Language					lang	string	iso639-1
45	Author's/Presenter's Name, Text					text	string	

No.	Contents	The 1st Level	The 2nd Level	The 3rd Level	The 4th Level	The 5th Level	Type	Notes
46	Author's/Presenter's Name ACCN				accn		string	
47	Author's/Presenter's Name (Unparsed)		creator:unparsed				array	
48	Author's/Presenter's Name, Language			lang			string	iso639-1
49	Author's/Presenter's Name, Text			text			string	
50	Title/Article Title/Presentation Title (Japanese)		title:main				object	
51	Title/Article Title/Presentation Title (Japanese), Language			lang			string	iso639-1, ja fixed
52	Title/Article Title/Presentation Title (Japanese), Text			text			string	
53	Title/Article Title/Presentation Title (English)		title:alternative				object	
54	Title/Article Title/Presentation Title (English), Language			lang			string	iso639-1, en fixed
55	Title/Article Title/Presentation Title (English), Text			text			string	
56	Journal Title (Japanese)		source:title				object	
57	Journal Title (Japanese), Language			lang			string	iso639-1, ja fixed
58	Journal Title (Japanese), Text			text			string	
59	Journal Title (English)		source:alternativeTitle				object	
60	Journal Title (English), Language			lang			string	iso639-1, en fixed
61	Journal Title (English), Text			text			string	
62	Conference Organiser's Name (Unparsed)		contributor:organizer:unparsed				array	
63	Conference Organiser's Name, Language			lang			string	iso639-1
64	Conference Organiser's Name, Text			text			string	
65	Publisher (Unparsed)		contributor:publisher:unparsed				array	
66	Publisher, Language			lang			string	iso639-1
67	Publisher, Text			text			string	
68	Volume		source:volume				string	
69	Issue		source:issue				string	
70	First Page		source:firstPage				string	
71	Last Page		source:lastPage				string	
72	Total Number of Pages		description:totalPages				int	
73	Date		date:publicationDate				object	
74	Date, Value			humanReadableValue			array	
75	Date, Text				text		string	
76	Date, Year			commonEra:year			int	
77	Date, Month			month			int	
78	Date, Day			day			int	
79	Place of Presentation		description:conferenceLocation				object	
80	Place of Presentation, Value			humanReadableValue			array	
81	Place of Presentation, Language				lang		string	
82	Place of Presentation, Text				text		string	
83	Description		description:description				array	
84	Description, Language			lang			string	
85	Description, Text			text			string	
86	Patent (Industrial Property Right), Inventor (CrossRef)		contributor:patentInventor				array	
87	Patent (Industrial Property Right), Inventor, Display Order			sequence			int	
88	Patent (Industrial Property Right), Inventor, Name			person:name			array	
89	Patent (Industrial Property Right), Inventor, Language				lang		string	
90	Patent (Industrial Property Right), Inventor, Text				text		string	
91	Patent (Industrial Property Right), Inventor, Researcher Number			attribute:id:person:kakenhi:estimated			array	
92	Patent (Industrial Property Right), Inventor, ORCID iD			id:orcid			string	
93	Patent (Industrial Property Right), Inventor, ACCN				accn		string	
94	Patent (Industrial Property Right), Inventor (Unparsed)		contributor:patentInventor:unparsed				array	
95	Patent (Industrial Property Right), Inventor, Language			lang			string	
96	Patent (Industrial Property Right), Inventor, Text			text			string	
97	Patent (Industrial Property Right), Right Holder/Applicant (CrossRef)		contributor:patentAssignee				array	
98	Patent (Industrial Property Right), Right Holder/Applicant, Display Order			sequence			int	
99	Patent (Industrial Property Right), Right Holder/Applicant, Name			person:name			array	



No.	Contents	The 1st Level	The 2nd Level	The 3rd Level	The 4th Level	The 5th Level	Type	Notes
100	Patent (Industrial Property Right), Right Holder/Applicant, Language				lang		string	
101	Patent (Industrial Property Right), Right Holder/Applicant, Text				text		string	
102	Patent (Industrial Property Right), Right Holder/Applicant, Researcher Number			attribute:id:person:kakenhi:estimated			array	
103	Patent (Industrial Property Right), Right Holder/Applicant, ORCID iD			id:orcid			string	
104	Patent (Industrial Property Right), Right Holder/Applicant (Unparsed)		contributor:patentAssignee:unparsed				array	
105	Patent (Industrial Property Right), Right Holder/Applicant, Language			lang			string	
106	Patent (Industrial Property Right), Right Holder/Applicant, Text			text			string	
107	Patent (Industrial Property Right), Application Date		date:patentApplicationDate				object	
108	Patent (Industrial Property Right), Application Date, Value			humanReadableValue			array	
109	Patent (Industrial Property Right), Application Date, Text				text		string	
110	Patent (Industrial Property Right), Application Date, Year			commonEra:year			int	
111	Patent (Industrial Property Right), Application Date, Month			month			int	
112	Patent (Industrial Property Right), Application Date, Day			day			int	
113	Patent (Industrial Property Right), Issue Date		date:patentIssueDate				object	
114	Patent (Industrial Property Right), Issue Date, Value			humanReadableValue			array	
115	Patent (Industrial Property Right), Issue Date, Text				text		string	
116	Patent (Industrial Property Right), Issue Date, Year			commonEra:year			int	
117	Patent (Industrial Property Right), Issue Date, Month			month			int	
118	Patent (Industrial Property Right), Issue Date, Day			day			int	
119	Patent (Industrial Property Right), Publication Date		date:patentPublicationDate				object	
120	Patent (Industrial Property Right), Publication Date, Value			humanReadableValue			array	
121	Patent (Industrial Property Right), Publication Date, Text				text		string	
122	Patent (Industrial Property Right), Publication Date, Year			commonEra:year			int	
123	Patent (Industrial Property Right), Publication Date, Month			month			int	
124	Patent (Industrial Property Right), Publication Date, Day			day			int	
125	Plain Text		description:plainText				array	
126	Plain Text, Language			lang			string	
127	Plain Text, Text			text			string	
128	"Provisions of Rights about the Contents" defined by junii2		description:annotation				object	
129	"Provisions of Rights about the Contents" defined by junii2, Annotation Class			class			text	"rights" fixed
130	"Provisions of Rights about the Contents" defined by junii2, Text			text			text	