

UC Libraries
Shared Print

JACS 9 Collections
Working Group

JACS 9 Collections Analysis Overview for the Shared Print Strategy Team
March 2024

Executive Summary

Between December of 2023 and March of 2024, the JACS 9 Collections Working Group (CWG) reviewed the University of California Libraries' print serials holdings and identified collections priorities and criteria for JACS 9.¹

Serials holdings from the following OCLC symbols were included in the analysis:

UC Berkeley (CUY)	UC Los Angeles (CLU)
UC Davis (CUV)	UC Santa Barbara (CUT)
UC San Francisco (CUN)	UC Riverside (CRU)
UC Santa Cruz (CUZ)	UC Northern Regional Library Facility (ZAP)
UC Irvine (CUI)	UC Southern Regional Library Facility (ZAS)
UC San Diego (CUS)	

The UC instance of the AGUA collections analysis tool was used to normalize UC's data with the Ulrich's XML data service and divide eligible journal backfiles into title categories.

- Title Category 1 (print titles with secure, digital surrogates – e.g. Portico, CLOCKSS, and HathiTrust Digital Library)
- Title Category 3 (print titles that are electronically indexed/abstracted with some electronic full-text availability)
- Title Category 4 (print titles that are electronically indexed/abstracted with no full-text)
- Title Category 5 (print only titles)
- Title Category 6 (JSTOR titles)

Title Category 2 is not currently used in the JACS analysis.

The resulting dataset identified 833,066 unique, eligible volumes for JACS 9 & 10. JACS 9 & 10 will be shaped by key findings and recommendations from the [2023 JACS Program Assessment](#), including:

- Recommendation #1: In the short term, affirm and routinize the practice of counting JACS duplicates against allocation.
- Recommendation #2: For JACS 9 (FY24-25), complete selection of high overlap content.
- Recommendation #3: Scope and budget for future NRLF JACS legacy processing work.
- Recommendation #7: Where possible, incorporate digitization workflows into current and future UCL shared print initiatives.

Additionally, JACS 10 will be a unique “consolidation & transition cycle” to support:

- Retrospective contribution and consolidation of remaining JACS campus content at the regional library facilities (Recommendation #4)
- Investigation into expanding JACS to new content areas (Recommendation #5)
- Deduplication pilot between the RLFs on the basis of JACS to maximize high density space (Recommendation #8)

Based on these recommendations, the goal of this analysis is to identify a single year's worth of archiving (20,000 volumes, split evenly between the RLFs) for JACS 9. In order to narrow down the list of high quality titles to meet the target 20,000 volumes to be archived in JACS 9, the Shared Print Strategy Team's Collections Working Group identified the following priorities for JACS 9:

- Complete the selection of high overlap content

¹ Beginning with JACS 7 & 8, the collections analysis will be performed biennially.

- Consider UC’s partners in the selection of JACS titles (either by deprioritizing journals retained for at least one Rosemont program (includes BTAA, CRL, Scholars Trust, EAST, WEST, and FLARE), or by deprioritizing journals with at least 3 retentions present in PAPR)
- As standard JACS capacity for JACS 9 allows, include title nominations and scarce content
- Consider the role digitization and digital surrogates

The criteria outlined in this summary reflect JACS 9 priorities and are intended for use in JACS 9 only. Criteria for future JACS might reflect different priorities. The resulting JACS title list, totaling **19,997 volumes** across **459 journal families**, reflect a broad range of subject areas, and holdings for the selected titles are widely distributed among the UC campuses. The JACS 9 title list is evenly divided between the RLFs.

JACS 9 Collections Working Group

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JACS 9 Collections Analysis Overview

The JACS 9 Collections Working Group (JACS 9 CWG) was charged with preparing a title list totaling approximately 20,000 volumes to be preserved during the 2024-2025 campaign. The AGUA collections analysis tool identified 29,117 journal families with 833,066 *unique*, eligible volumes for JACS 9.

Journal Families	Estimated Volumes
29,117	833,066

Table 1. Unique candidate journal families for JACS 9 and estimated volumes

A comparison of the title categories shows that the majority of the eligible journals (74%) fall into Title Category 1, meaning they are digitally preserved in Portico, CLOCKSS, and/or the HathiTrust Digital Library (HTDL). Title Category 1 also has the highest average overlap, though this number is still very low. Overall, JACS has been highly successful in identifying and securing print journal titles that are widely held across the UC system.

Overlap Level	1	2	3	4	5	6	7	8	9	10	Grand Total
Title Category 1	7,037	5,770	4,046	2,455	1,094	589	341	153	67	27	21,579
Title Category 3	937	369	95	32	12	8	2	–	1	–	1,456
Title Category 4	813	348	153	66	31	8	5	1	1	1	1,427
Title Category 5	3,100	1,034	298	90	34	13	2	–	–	–	4,571
Title Category 6	49	15	10	3	1	3	2	–	1	–	84
Grand Total	11,936	7,536	4,602	2,646	1,172	621	352	154	70	28	29,117

Table 2. Overlap levels of unique journal families per title category (color scale formatted by overlap level)

	Journal Families Per Campus	Estimated Volumes (includes duplicates) Per Campus
CLU (UC Los Angeles)	9,005	204,096
CRU (UC Riverside)	1,392	27,228
CUI (UC Irvine)	2,386	30,833
CUN (UC San Francisco)	317	6,040
CUS (UC San Diego)	3,284	75,124
CUT (UC Santa Barbara)	5,062	80,870
CUV (UC Davis)	4,977	103,211
CUY (UC Berkeley)	11,389	301,677
CUZ (UC Santa Cruz)	1,741	30,177
ZAP (UC NRLF)	13,625	354,361
ZAS (UC SRLF)	12,412	282,238
Grand Total	29,117	1,495,855

Table 3. Detail of Eligible Journal Families and Estimated Volumes by Campus

Criteria, priorities, and recommendations

Starting in JACS 9, two new additional data points are available for analysis:

- **Count of Rosemont Institutions.** A count of how many institutions participating in Rosemont Alliance member programs have holdings set in OCLC for the journal.
- **Count of US OCLC Institutions.** A Count of how many institutions in the US have holdings set in OCLC for the journal.

These data points may be used to quickly identify how widely held each journal family is across the Rosemont Shared Print Alliance participating libraries and across the US.

CWG analysis and priorities

The JACS 9 CWG aimed to compile a list that offers significant and wide-spread opportunities for deduplication of campus collections with the goal of reclaiming space to be used for ongoing local collection development and other library and campus priorities. Additionally, UC Libraries' Common Knowledge Groups (CKG) were invited to nominate eligible titles in their domain area for consideration (see [CKG title nominations](#) section below for more information about this process).

After reviewing several scenarios, the CWG prioritized the following criteria to create the final JACS 9 title list:

Criterion	Value
Duplication in UC	Held by 4 or more campuses
Rosemont Archived	No
Count of PAPR Institutions	Disclosed in PAPR by 2 or fewer institutions
Count of US OCLC Institutions	NRLF: <45 SRLF: <57
% of published run held	NRLF: 81.5%+ SRLF: 75%+
Title Nominations	Title nominations criteria were nuanced per NRLF and SRLF to ensure the even balance of volumes per destination RLF.

Table 4. Criteria adopted by the CWG to build the JACS 9 title list

In the case of some criteria, small adjustments were made to ensure an even balance of volumes to be archived at each RLF. These criteria generated a list of 459 journal families with a total of 19,997 volumes to be preserved at the RLFs.

CKG title nominations

Five CKGs expressed interest in nominating titles for the JACS 9 title list. Four of these CKGs provided the Collections Analyst criteria for titles they wished to review, which the Analyst used to create review lists for CKG members to use to identify titles to nominate.

Each CKG was advised of the SPST's general priorities for JACS 9, namely that titles that are widely duplicated in the UC system but which have few or no retention commitments in the US and Canada will be prioritized. Three CKGs submitted nominations by the CWG's February 9, 2024 deadline. Additionally, the Shared Print Project Team received a small number of nominations outside of the normal analysis workflow from a previous Health & Life Sciences CKG chair; these are reflected as "off-cycle nominations." An initial analysis of the nominations show the following characteristics:

Common Knowledge Group	Nominated Journal Families	Nominated Est Vols to Preserve	Avg Duplication in UC	Avg % of Published Run Held	Titles Archived by Rosemont Partners	Avg PAPR Institutions
East Asian Studies	490	13,082	2.57	45.96	78	0.25
Off-cycle Nominations	2	26	4.50	100.00	1	0.50
Physical Sciences & Engineering	2	197	2.00	197.82	1	1.00
Health & Life Sciences	3	137	4.00	99.15	0	0.00
Grand Total	497	13,442	2.58	47.11	80	0.25

Table 5. Summary of Common Knowledge Group title nominations for JACS 9

Eighteen of the journal families nominated by the CKGs are already included in the titles selected via criteria prioritized for JACS 9; these are flagged as title nominations in the final JACS 9 title list to indicate their qualitative value to the CKGs and scholarship in the UC system. The majority of the nominations come from the East Asian Studies CKG and are for journals to be archived at the Northern Regional Library Facility (NRLF).

To scope nominations for the JACS 9 Title List, the CWG applied the following method:

1. Accept all Physical Sciences & Engineering (PSE) CKG, Health & Life Sciences (UCHLS) CKG, and off-cycle title nominations
2. Accept all East Asian Studies (EAS) CKG nominations where SRLF is the destination RLF
3. Apply quantitative scoping to reduce the number of nominated volumes from the EAS CKG where NRLF is the destination RLF
 - a. Duplication in UC = 2+
 - b. Count of PAPR institutions = 0-2
 - c. Rosemont Archived = No
 - d. Range across UC² = 50+

² "Range across UC" provides an estimate of the number of volumes to be archived for that journal family.

Final outcomes and impacts - Final JACS 9 Title List

Destination RLF	JACS 9 - Scenario 3 (Volumes)	EAS CKG (Volumes)	Off-cycle Nominations (Volumes)	PSE (Volumes)	UCHLS (Volumes)	Grand Total (Volumes)	Grand Total (Journal Families)
NRLF	7,892	1,769	26	197	99	9,983	192
SRLF	9,316	660	0	0	38	10,014	267
Grand Total	17,208	2,429	26	197	137	19,997	459

Table 7. Recommended JACS 9 total volumes by category of content

Average duplication in UC for the journal families in the JACS 9 list is 3.9. Only 40 of the journal families have been archived by another shared print program that discloses to the Print Archive Preservation Registry. Of those 40, only 9 are archived by a Rosemont Alliance partner. Please see Appendix 1 for more JACS 9 Title List characteristics.

Considerations for future JACS analyses

Curation and title nominations

To date, JACS titles lists have been populated primarily by the central analysis that is informed by the overarching priorities set by SPST. It has been the practice to treat title nominations as a secondary component of the analysis and final title list. As the JACS program moves further into the long tail of serials and journals, the SPST may wish to consider expanding the role of title nominations in defining the final title lists.

Identifying the deep runs that have not been prioritized for JACS

It continues to be strategic to deprioritize archiving titles in the RLFs that have been retained by a partner program or when a certain number of copies have been retained at the national level. However, this may mean that large, duplicative runs remain on campuses. In future analyses, it would be valuable to understand what content in this category remains in campus collections and provide guidance on decision-making based on retention at the national level.

Early planning for future analyses

As the Shared Print Strategy Team looks ahead to assessing new opportunities during the JACS 10 “consolidation and transition” cycle, it will be important to take whatever early steps we can to plan ahead for future JACS analyses. In considering new formats and content areas, infrastructure changes and collaborative needs may require long runways for preparation.

Appendix 1: JACS 9 Title List Characteristics

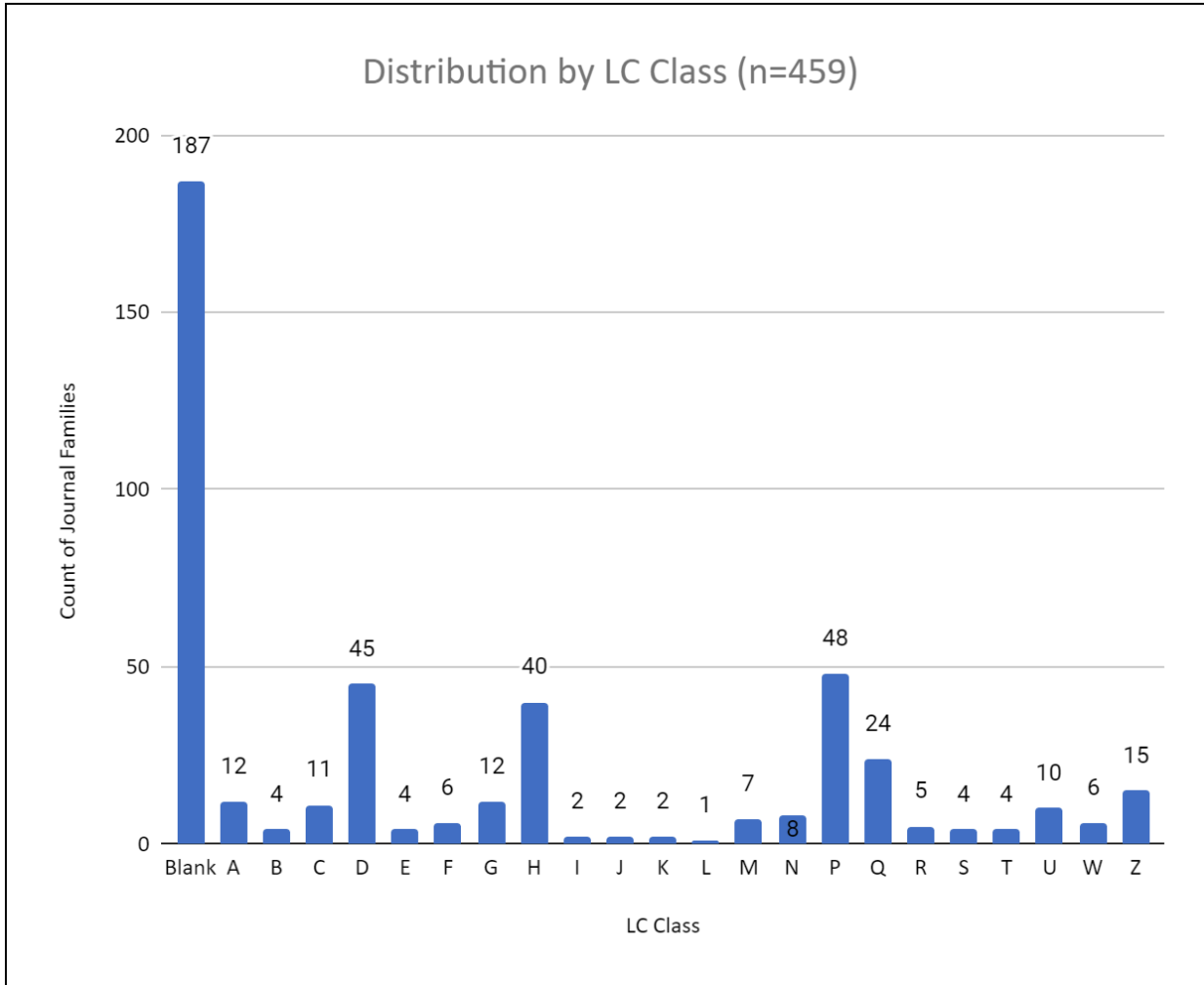


Figure 3. Unique journal families by LC Class

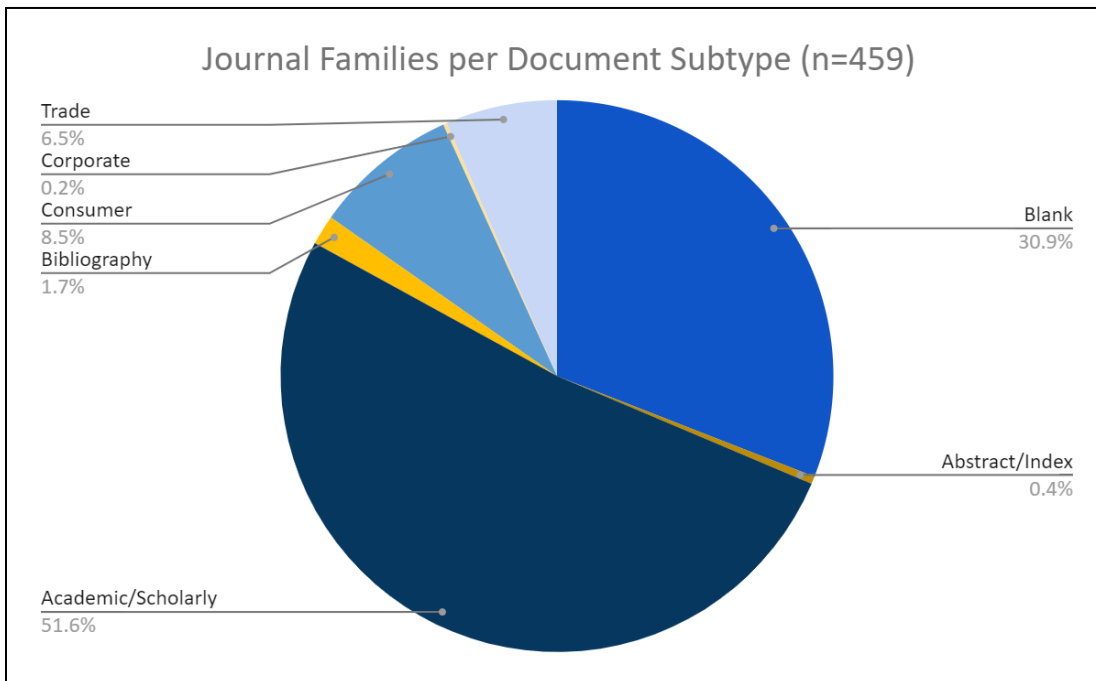


Figure 4. Journal families by Document Subtype

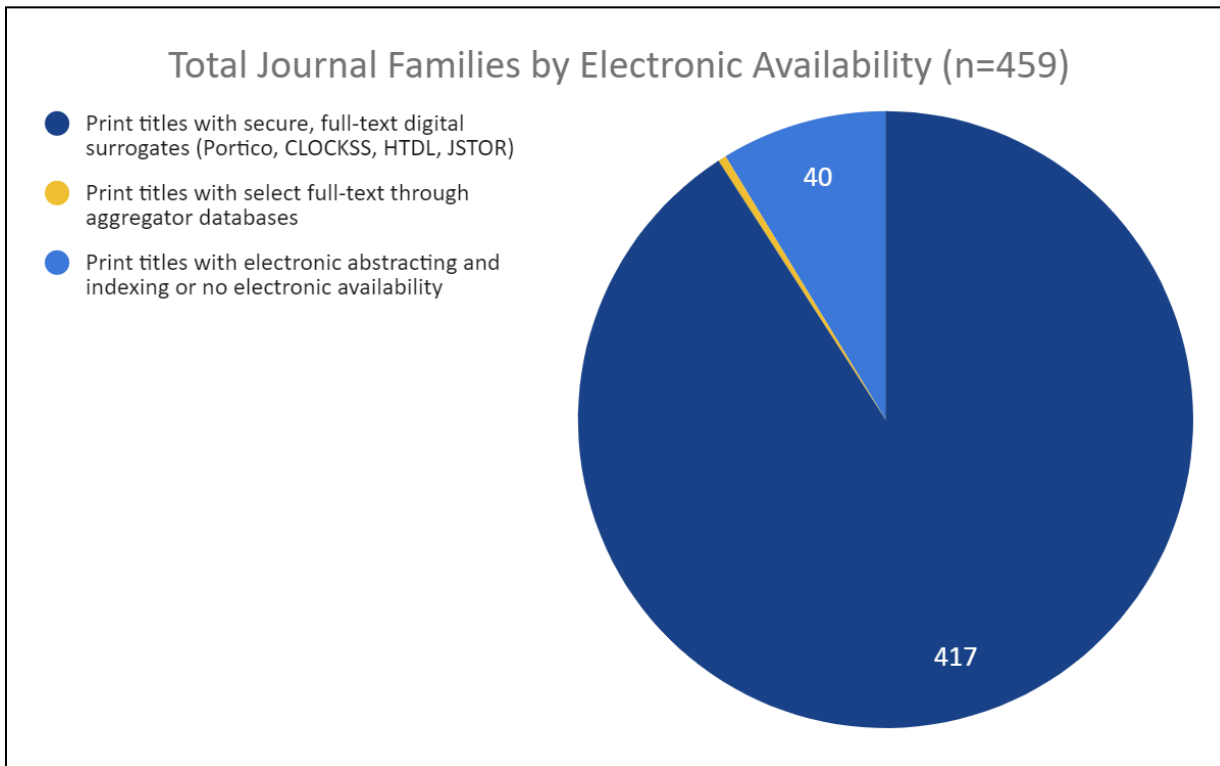


Figure 5. Journal families by electronic availability