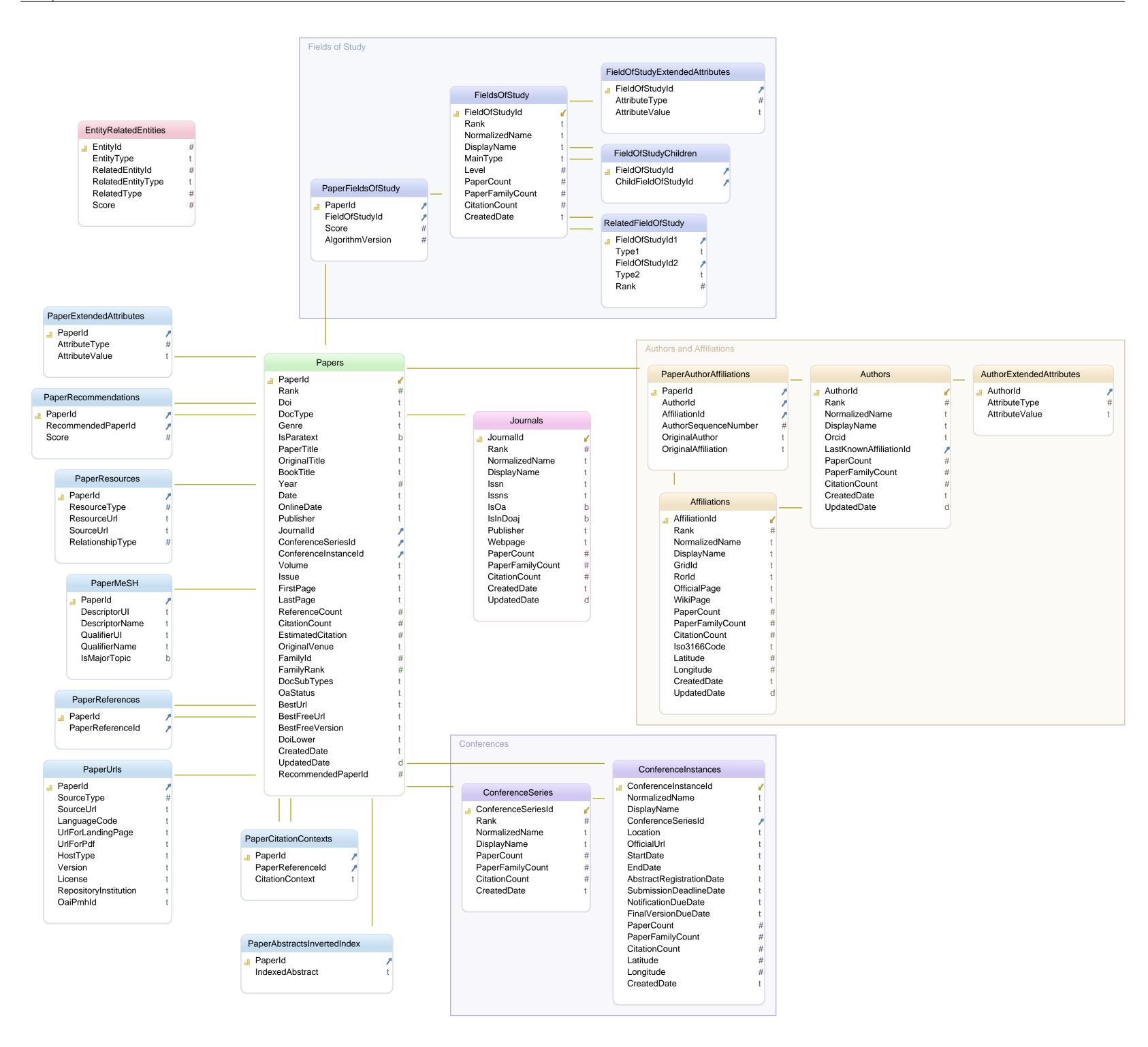
# Redshift

#### 10-11-2021 null

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Main Layout Hover columns to read the comments 10-11-2021 null



## Main Layout

## Table Affiliations

Base table for affiliations				
	AffiliationId	bigint	PRIMARY KEY	
	Rank	integer	FROZEN; no new ranks are being added.	
	NormalizedName	varchar	UPDATED; slightly different normalization algorithm	
	DisplayName	varchar		
	GridId	varchar	FROZEN; ror_id is the new standard identifier for organizations	
	Rorld	varchar	NEW; ROR for this organization, see https://ror.org, https://ror.org/:ror_id	
	OfficialPage	varchar		
	WikiPage	varchar		
	PaperCount	bigint		
	PaperFamilyCount	bigint	FROZEN; same value as "paper_count.	
	CitationCount	bigint		
	Iso3166Code	varchar	Two-letter country codes, see https://en.wikipedia.org/wiki/ISO_3166-2	
	Latitude	real		
	Longitude	real		
	CreatedDate	varchar		
	UpdatedDate	timestamp	NEW; set values updated from new ror data	
Indexes				
	Distribution	AffiliationId		
	Sorting	AffiliationId		

# Table AuthorExtendedAttributes

Addi	tional author name representati	ons	
	Authorld	bigint	FOREIGN KEY REFERENCES Authors. AuthorId
	AttributeType	integer	Possible values: 1=Alternative name
	AttributeValue	varchar	
Inde	xes		
	Distribution	Authorld	
	Sorting	Authorld	
Fore	ign Keys		
\ /:	Cla Author Cator dod Attributor	A	

Vir Fk\_AuthorExtendedAttributes\_Authors ( AuthorId ) ref Authors ( AuthorId )

## Table Authors

Base table for authors			
Authorld	bigint	PRIMARY KEY	
Rank	integer	FROZEN; no new ranks are being added	
NormalizedName	varchar	UPDATED; slightly different normalization algorithm	
DisplayName	varchar		
Orcid	varchar	NEW; ORCID identifier for this author	
LastKnownAffiliationId	integer		
PaperCount	bigint		
PaperFamilyCount	bigint	FROZEN; same value as "paper_count	
CitationCount	bigint		
CreatedDate	varchar		
UpdatedDate	timestamp	NEW; set when changes are made going forward	
Indexes			
Distribution	Authorld		
Sorting	Authorld		
Foreign Keys			

Vir Fk\_Authors\_Affiliations ( LastKnownAffiliationId ) ref Affiliations ( AffiliationId )

## Table ConferenceInstances

FRO	ZEN		
	ConferenceInstanceId	bigint	PRIMARY KEY
	NormalizedName	varchar	UPDATED; slightly different normalization algorithm
	DisplayName	varchar	
	ConferenceSeriesId	bigint	FOREIGN KEY REFERENCES ConferenceSeries.ConferenceSeriesId
	Location	varchar	
	OfficialUrl	varchar	
	StartDate	varchar	
	EndDate	varchar	
	AbstractRegistrationDate	varchar	
	SubmissionDeadlineDate	varchar	
	NotificationDueDate	varchar	
	FinalVersionDueDate	varchar	
	PaperCount	bigint	
	PaperFamilyCount	bigint	FROZEN; same value as "paper_count
	CitationCount	bigint	
	Latitude	real	
	Longitude	real	
	CreatedDate	varchar	
Index	xes		
	Distribution	ConferenceInstanceId	
	Sorting	ConferenceInstanceId	
Fore	ign Keys		
Vir	Fk_ConferenceInstances_Co ConferenceSeriesId ) ref Con ConferenceSeriesId )	nferenceSeries ( ferenceSeries (	

## Table ConferenceSeries

FRC	DZEN		
	ConferenceSeriesId	bigint	PRIMARY KEY
	Rank	integer	FROZEN; no new ranks are being added
	NormalizedName	varchar	UPDATED; slightly different normalization algorithm
	DisplayName	varchar	
	PaperCount	bigint	
	PaperFamilyCount	bigint	FROZEN; same value as "paper_count
	CitationCount	bigint	
	CreatedDate	varchar	
Inde	exes		
	Distribution	ConferenceSeriesId	
	Sorting	ConferenceSeriesId	

## Table EntityRelatedEntities

Relationship between papers		
EntityId	bigint	
EntityType	varchar	Possible values: af (Affiliation), j (Journal), c (Conference)
RelatedEntityId	bigint	
RelatedEntityType	varchar	Possible values: af (Affiliation), j (Journal), c (Conference)
RelatedType	integer	Possible values: 0 (same paper), 1 (common coauthors), 2 (co-cited), 3 (common field of study), 4 (same venue), 5 (A cites B), 6 (B cites A)

#### Table EntityRelatedEntities

Score	real	Confidence range between 0 and 1. Larger number representing higher confidence.
Indexes		
Distribution	EntityId	
Sorting	EntityId	

#### Table FieldOfStudyChildren

Relationship between Fields of Study				
bigint	FOREIGN KEY REFERENCES FieldsOfStudy.FieldOfStudyId			
bigint	FOREIGN KEY REFERENCES FieldsOfStudy.FieldOfStudyId			
k	pigint			

#### Indexes

FieldOfStudyId Distribution Sorting FieldOfStudyId

#### Foreign Keys

Fk\_FieldOfStudyChildren\_FieldsOfStudy (FieldOfStudyId) ref FieldsOfStudy (FieldOfStudyId)

Fk\_FieldOfStudyChildren\_FieldsOfStudy\_0 ( ChildFieldOfStudyId ) ref FieldsOfStudy ( Vir

FieldOfStudyId)

## Table FieldOfStudyExtendedAttributes

Other identifiers for Fields of Study				
FieldOfStudyId	bigint	FOREIGN KEY REFERENCES FieldsOfStudy.FieldOfStudyId		
AttributeType	bigint	Possible values: 1 (AUI from UMLS https://www.nlm.nih.gov/research/umls/licensedcontent/umls archives04.html#2018AA), 2 (source url), 3 (CUI from UMLS https://www.nlm.nih.gov/research/umls/licensedcontent/umls knowledgesources.html)		
AttributeValue	varchar			
Indexes				
Distribution	FieldOfStudyId			
Sorting	FieldOfStudyId			
Foreign Keys				

 $\label{lem:fieldOfStudyExtendedAttributes\_FieldsOfStudy (FieldOfStudyld) ref FieldsOfStudy (FieldOfStudyld)} FieldOfStudyld) \\$ Vir

## Table FieldsOfStudy

Base table for Fields of Study			
	FieldOfStudyId	bigint	PRIMARY KEY
	Rank	varchar	FROZEN; no new ranks are being added.
	NormalizedName	varchar	UPDATED; slightly different normalization algorithm
	DisplayName	varchar	
	MainType	varchar	
	Level	integer	Possible values: 0-5
	PaperCount	bigint	
	PaperFamilyCount	bigint	FROZEN; same value as "paper_count.
	CitationCount	bigint	
	CreatedDate	varchar	
Inde	xes		
	Distribution	FieldOfStudyId	
	Sorting	FieldOfStudyId	

## Table Journals

Base table for Journals				
Journalld	bigint	PRIMARY KEY		
Rank	integer	FROZEN; no new ranks are being added		
NormalizedName	varchar	UPDATED; slightly different normalization algorithm		
DisplayName	varchar			
Issn	varchar	UPDATED; the ISSN-L for the journal (see https://en.wikipedia.org/wiki/International_Standard_Serial_Number#Linking_ISSN)		
Issns	varchar	NEW; JSON list of all ISSNs for this journal (example: ["1469-5073","0016-6723"]')		
IsOa	boolean	NEW; TRUE when the journal is 100% OA		
IsInDoaj	boolean	NEW; TRUE when the journal is in DOAJ (see https://doaj.org/)		
Publisher	varchar			
Webpage	varchar			
PaperCount	bigint			
PaperFamilyCount	bigint	FROZEN; same value as "paper_count		
CitationCount	bigint			
CreatedDate	varchar			
UpdatedDate	timestamp	NEW; set when changes are made going forward		
Indexes				
Distribution	Journalld			
Sorting	Journalld			

## Table PaperAbstractsInvertedIndex

Inverted abstracts							
	Paperld	bigint	FOREIGN KEY REFERENCES papers.papers_id				
	IndexedAbstract	varchar	Inverted index, see https://en.wikipedia.org/wiki/Inverted_index				
Indexes							
	Distribution	PaperId					
	Sorting	PaperId					
Foreign Keys							
Vir	/ir Fk_PaperAbstractsInvertedIndex_Papers ( PaperId ) ref Papers ( PaperId )						

# Table PaperAuthorAffiliations

Vir

Fk\_PaperAuthorAffiliations\_Affiliations ( AffiliationId ) ref Affiliations ( AffiliationId )

Links between papers							
	PaperId	bigint	FOREIGN KEY REFERENCES Papers.PaperId				
	Authorld	bigint	FOREIGN KEY REFERENCES Authors. AuthorId				
	AffiliationId	bigint	FOREIGN KEY REFERENCES Affiliations. AffiliationId				
	AuthorSequenceNumber	integer	1-based author sequence number. 1: the 1st author listed on paper, 2: the 2nd author listed on paper, etc.				
	OriginalAuthor	varchar					
	OriginalAffiliation	varchar					
Inde	xes						
	Distribution	PaperId					
	Sorting	PaperId					
Fore	eign Keys						
Vir	Fk_PaperAuthorAffiliations_F Papers ( PaperId )	Papers ( PaperId ) ref					
Vir	Fk_PaperAuthorAffiliations_A Authors ( AuthorId )	authors ( Authorld ) ref					

### Table PaperCitationContexts

FROZEN					
PaperId	bigint	FOREIGN KEY REFERENCES papers.papers_id			
PaperReferenceId	bigint	FOREIGN KEY REFERENCES papers.papers_id			
CitationContext	varchar				
Indexes					
Distribution	PaperId				
Sorting	PaperId				
Foreign Keys					

Vir Fk\_PaperCitationContexts\_Papers ( PaperId ) ref Papers (Paperld)

Fk\_PaperCitationContexts\_Papers\_0 (
PaperReferenceId ) ref Papers ( PaperId ) Vir

## Table PaperExtendedAttributes

Extra paper identifiers						
PaperId	bigint	FOREIGN KEY REFERENCES Papers.PaperId				
AttributeType	integer	Possible values: 1=PatentId, 2=PubMedId, 3=PmcId, 4=Alternative Title				
AttributeValue	varchar					
Indexes						
Distribution	PaperId					
Sorting	PaperId					
Foreign Keys						
	_					

Vir Fk\_PaperExtendedAttributes\_Papers ( PaperId ) ref Papers (Paperld)

## Table PaperFieldsOfStudy

	3							
Linking table from papers to fields								
PaperId	bigint	FOREIGN KEY REFERENCES Papers.PaperId						
FieldOfStudyId	bigint	FOREIGN KEY REFERENCES FieldsOfStudy.FieldOfStudyId						
Score	real	Confidence range between 0 and 1. Bigger number representing higher confidence.						
AlgorithmVersion	integer	NEW; version of algorithm to assign fields. Possible values: 1=old MAG (FROZEN), 2=OpenAlex						
Indexes								
Distribution	PaperId							

Sorting Foreign Keys

Vir Fk\_PaperFieldsOfStudy\_Papers ( PaperId ) ref

Papers (Paperld)

Vir

Fk\_PaperFieldsOfStudy\_FieldsOfStudy (FieldOfStudyId) ref FieldsOfStudy (FieldOfStudyId)

PaperId

#### Table PaperMeSH

MeSH headings assigned to the paper by PubMed							
PaperId	bigint	FOREIGN KEY REFERENCES Papers.PaperId					
DescriptorUI	varchar	see https://en.wikipedia.org/wiki/Medical_Subject_Headings					
DescriptorName	varchar	see https://en.wikipedia.org/wiki/Medical_Subject_Headings					
QualifierUI	varchar	see https://en.wikipedia.org/wiki/Medical_Subject_Headings					
QualifierName	varchar	see https://en.wikipedia.org/wiki/Medical_Subject_Headings					
IsMajorTopic	boolean	see https://en.wikipedia.org/wiki/Medical_Subject_Headings					
Indexes							
Distribution	PaperId						
Sorting	PaperId						

Foreign Keys

#### Table PaperMeSH

Vir Fk\_PaperMeSH\_Papers ( PaperId ) ref Papers ( PaperId )

#### Table PaperRecommendations

Paper recommendations with sc	ore	
PaperId	bigint	FOREIGN KEY REFERENCES Papers.PaperId
RecommendedPaperId	bigint	FOREIGN KEY REFERENCES Papers.PaperId
Score	real	Confidence range between 0 and 1. Bigger number

representing higher confidence.

Indexes

Distribution Paperld Sorting Paperld

Foreign Keys

Vir Fk\_PaperRecommendations\_Papers ( PaperId ) ref Papers ( PaperId )

Vir Fk\_PaperRecommendations\_Papers\_0 (
RecommendedPaperId ) ref Papers ( PaperId )

## Table PaperReferences

Paper references and						
PaperId	bigint	FOREIGN KEY REFERENCES Papers.PaperId				
PaperReferenceId	bigint	FOREIGN KEY REFERENCES Papers.PaperId				
Indexes						
Distribution	PaperId					
Sorting	PaperId					
Especial IZ						

Foreign Keys

Vir Fk\_PaperReferences\_Papers ( PaperId ) ref Papers ( PaperId )

Vir Fk\_PaperReferences\_Papers\_0 ( PaperReferenceId ) ref Papers ( PaperId )

#### Table PaperResources

FROZEN					
PaperId	bigint	FOREIGN KEY REFERENCES papers.papers_id			
ResourceType	integer	Bit flags: 1=Project, 2=Data, 4=Code			
ResourceUrl	varchar	Url of resource			
SourceUrl	varchar	List of urls associated with the project, used to derive resource_url			
RelationshipType	integer	Bit flags: 1=Own, 2=Cite			
Indexes					
Distribution	PaperId				
Sorting	PaperId				
Foreign Keys					

Vir Fk\_PaperResources\_Papers ( PaperId ) ref Papers ( PaperId )

#### Table PaperUrls

Urls			
	PaperId	bigint	FOREIGN KEY REFERENCES Papers.PaperId
	SourceType	integer	Possible values: 1=Html, 2=Text, 3=Pdf, 4=Doc, 5=Ppt, 6=Xls, 8=Rtf, 12=Xml, 13=Rss, 20=Swf, 27=lcs, 31=Pub, 33=Ods, 34=Odp, 35=Odt, 36=Zip, 40=Mp3, 0/999/NULL=unknown
	SourceUrl	varchar	
	LanguageCode	varchar	
	UrlForLandingPage	varchar	NEW; URL for the landing page, when article is free to read

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	UrlForPdf	varchar	NEW; URL for the PDF, when article is free to read			
	HostType	varchar	NEW; host type of the free-to-read URL, Possible values: publisher, repository			
	Version	varchar	NEW; version of the free-to-read URL Possible values: submittedVersion, acceptedVersion, publishedVersion			
	License	varchar	NEW; license of the free-to-read URL (example: cc0, cc-by, publisher-specific)			
	RepositoryInstitution	varchar	NEW; name of repository host of URL			
	OaiPmhld	varchar	NEW; OAH-PMH id of the repository record			
Inde	xes					
	Distribution	PaperId				
	Sorting	PaperId				
Foreign Keys						
Vir	r Fk_PaperUrls_Papers ( PaperId ) ref Papers ( PaperId					

Table Papers		
Main data for papers		
PaperId	bigint	PRIMARY KEY
Rank	integer	FROZEN; no new ranks are being added
Doi	varchar	Doi values are upper-cased per DOI standard at https://www.doi.org/doi_handbook/2_Numbering.html#2.4
DocType	varchar	Possible values: Book, BookChapter, Conference, Dataset, Journal, Patent, Repository, Thesis, NULL: unknown. Patent is FROZEN; no new Patents are being added.
Genre	varchar	NEW; Crossref ontology for work type such as "journal- article, posted-content, dataset, or book-chapter
IsParatext	boolean	NEW; indicates front-matter. See https://support.unpaywall.org/support/solutions/articles/44001894783
PaperTitle	varchar	UPDATED; slightly different normalization algorithm
OriginalTitle	varchar	
BookTitle	varchar	
Year	integer	
Date	varchar	
OnlineDate	varchar	
Publisher	varchar	
Journalld	bigint	FOREIGN KEY references journals.journal_id
ConferenceSeriesId	bigint	FROZEN; no longer updated, no new Conference Series as being added. FOREIGN KEY references conference_series.conference_series_id.
ConferenceInstanceId	bigint	FROZEN; no longer updated, no new Conference Instances are being added. FOREIGN KEY references conference_instances.conference_instance_id.
Volume	varchar	
Issue	varchar	
FirstPage	varchar	
LastPage	varchar	
ReferenceCount	bigint	
CitationCount	bigint	
EstimatedCitation	bigint	UPDATED; new algorithm
OriginalVenue	varchar	· · · · · · · · · · · · · · · · · · ·
FamilyId	bigint	FROZEN; no longer updated.
FamilyRank	bigint	FROZEN; no longer updated.
DocSubTypes	varchar	Possible values: Retracted Publication, Retraction Notice
OaStatus	varchar	NEW; Possible values: closed, green, gold, hybrid, bronze (see https://en.wikipedia.org/wiki/Open_access#Colour_naming_system)
BestUrl	varchar	NEW; An url for the paper (see paper_urls table for more)

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rac	ne Papers			
	BestFreeUrl	varchar	NEW; Url of best legal free-to-read copy when it exists (see https://support.unpaywall.org/support/solutions/articles/4400 1943223)	
	BestFreeVersion	varchar	NEW; Possible values: submittedVersion, acceptedVersion, publishedVersion	
	DoiLower	varchar	NEW; lowercase doi for convenience linking to Unpaywall	
	CreatedDate	varchar		
	UpdatedDate	timestamp	NEW; set when changes are made going forward	
	RecommendedPaperId	bigint	FOREIGN KEY REFERENCES Papers.PaperId	
Indexes				
	Distribution	PaperId		
	Sorting	PaperId		
Foreign Keys				
Vir	Fk_Papers_Journals ( Journalld ) ref Journals ( Journalld )			
Vir	Fk_Papers_ConferenceSeries ( ConferenceSeriesId ) ref ConferenceSeries ( ConferenceSeriesId )			
Vir	Fk_Papers_ConferenceInstances ( ConferenceInstanceId ) ref ConferenceInstances ( ConferenceInstanceId )			

## Table RelatedFieldOfStudy

I Otk	Table Related Telacterary					
Relationships between fields of study						
	FieldOfStudyId1	bigint	FOREIGN KEY REFERENCES FieldsOfStudy.FieldOfStudyId			
	Type1	varchar	Possible values: general, disease, disease_cause, medical_treatment, symptom			
	FieldOfStudyId2	bigint	FOREIGN KEY REFERENCES FieldsOfStudy.FieldOfStudyId			
	Type2	varchar	Possible values: general, disease, disease_cause, medical_treatment, symptom			
	Rank	real	FROZEN; no new ranks are being added.			
Indexes						
	Distribution	FieldOfStudyId1				
	Sorting	FieldOfStudyId1				
Foreign Keys						
Vir	ir Fk_RelatedFieldOfStudy_FieldsOfStudy ( FieldOfStudyId1 ) ref FieldsOfStudy ( FieldOfStudyId )					
Vir	Fk_RelatedFieldOfStudy_FieldsOfStudy_0 ( FieldOfStudyId2) ref FieldsOfStudy ( FieldOfStudyId )					