A global map of science based on the ISI subject categories

DOI: 10.1002/asi.20967
Journal of the Association for Information Science and Technology, 2009, 60, 348-362.

#	Paper	IF	Citations
359	A systematic technology forecasting approach for New and Emerging Science and Technology: Case study of nano-enhanced biosensors. **2009**,		1
358	Hybrid clustering for validation and improvement of subject-classification schemes. **2009**, 45, 683-702		63
357	The delineation of an interdisciplinary specialty in terms of a journal set: The case of communication studies. *Journal of the Association for Information Science and Technology*, **2009**, 60, 1709-1718		42
356	Content-based and algorithmic classifications of journals: Perspectives on the dynamics of scientific communication and indexer effects. *Journal of the Association for Information Science and Technology*, **2009**, 60, 1823-1835		114
355	Image indexing in article component databases. *Journal of the Association for Information Science and Technology*, **2009**, 60, 1965-1976		2
354	Knowledge diffusion through publications and citations: A case study using ESI-fields as unit of diffusion. *Journal of the Association for Information Science and Technology*, **2009**, 61, n/a-n/a		3
353	Journal maps on the basis of Scopus data: A comparison with the Journal Citation Reports of the ISI. *Journal of the Association for Information Science and Technology*, **2009**, 61, n/a-n/a		20
352	How interdisciplinary is nanotechnology?. **2009**, 11, 1023-1041		148
351	Where does nanotechnology belong in the map of science?. **2009**, 4, 534-6		60
350	Communities, knowledge creation, and information diffusion. **2009**, 3, 180-190		92
349	Visual conceptualizations and models of science. **2009**, 3, 161-172		49
348	Critical thresholds for co-citation clusters and emergence of the giant component. **2009**, 3, 332-340		16
347	Disciplinary Diversity and Topic Coherence: The Case of Hybrid Nanomaterials Research. **2009**, 3, 79-88		
346	Profiling research patterns for a New and Emerging Science and Technology: Dye-Sensitized Solar Cells. **2009**,		
345	The difference between popularity and prestige in the sciences and in the social sciences: A bibliometric analysis. **2010**, 4, 55-63		48
344	New Forms of Complementarity in Science. **2010**, 48, 355-387		20
343	Knowledge production and the structure of collaboration networks in two scientific fields. *Scientometrics*, **2010**, 83, 219-241	3	39

342	Diversity and network coherence as indicators of interdisciplinarity: case studies in bionanoscience. *Scientometrics*, **2010**, 82, 263-287	3	353
341	Software survey: VOSviewer, a computer program for bibliometric mapping. *Scientometrics*, **2010**, 84, 523-538	3	3982
340	Journal cross-citation analysis for validation and improvement of journal-based subject classification in bibliometric research. *Scientometrics*, **2010**, 82, 687-706	3	32
339	The emergence of social science research on nanotechnology. *Scientometrics*, **2010**, 85, 595-611	3	36
338	Development and application of a keyword-based knowledge map for effective R&D planning. *Scientometrics*, **2010**, 85, 803-820	3	40
337	Weighted hybrid clustering by combining text mining and bibliometrics on a large-scale journal database. *Journal of the Association for Information Science and Technology*, **2010**, 61, n/a-n/a		7
336	Discarding the 'basic science/applied science' dichotomy: A knowledge utilization triangle classification system of research journals. *Journal of the Association for Information Science and Technology*, **2010**, 61, 1842-1852		35
335	Science overlay maps: A new tool for research policy and library management. *Journal of the Association for Information Science and Technology*, **2010**, 61, 1871-1887		258
334	Can epidemic models describe the diffusion of topics across disciplines?. **2010**, 4, 74-82		56
333	Subject clustering analysis based on ISI category classification. **2010**, 4, 185-193		47
332	Journal influence factors. **2010**, 4, 239-248		27
331	Graph-based data mining: A new tool for the analysis and comparison of scientific domains represented as scientograms. **2010**, 4, 291-312		13
330	Caveats for the journal and field normalizations in the CWTS ('Leiden') evaluations of research performance. **2010**, 4, 423-430		118
329	A unified approach to mapping and clustering of bibliometric networks. **2010**, 4, 629-635		739
328	The research profiling method applied to nano-enhanced, thin-film solar cells. **2010**, 40, 195-208		35
327	Interdisciplinarity in the environmental sciences: barriers and frontiers. **2010**, 37, 464-477		36
326	Proliferation dynamics in new sciences. *Research Policy*, **2010**, 39, 1034-1050	7.5	27
325	International scientific collaboration among Iranian researchers during 1998-2007. **2010**, 28, 433-446		20

324	Comparing impact factors from two different citation databases: The case of Computer Science. **2011**, 5, 698-704		20
323	Mapping excellence in the geography of science: An approach based on Scopus data. **2011**, 5, 537-546		57
322	Evolutionary Dynamics and Scientific Flows of Nanotechnology Research Across Geo-Economic Areas. *SSRN Electronic Journal*, **2011**,	1	
321	Profiling leading scientists in nanobiomedical science: interdisciplinarity and potential leading indicators of research directions. **2011**, 41, 288-306		13
320	Tech mining: Text mining and visualization tools, as applied to nanoenhanced solar cells. **2011**, 1, 172-181		10
319	Looking across communicative genres: a call for inclusive indicators of interdisciplinarity. *Scientometrics*, **2011**, 86, 449-461	3	20
318	Taiwan National Health Insurance Research Database: administrative health care database as study object in bibliometrics. *Scientometrics*, **2011**, 86, 365-380	3	228
317	Towards a typology of research performance diversity: the case of top Hungarian players. *Scientometrics*, **2011**, 87, 357-371	3	12
316	Community structure and patterns of scientific collaboration in Business and Management. *Scientometrics*, **2011**, 89, 381-396	3	45
315	Research involving women and health in the Medline database, 1965–2005: co-term analysis and visualization of main lines of research. *Scientometrics*, **2011**, 88, 679-706	3	7
314	Mapping scientific institutions. *Scientometrics*, **2011**, 89, 943-954	3	49
313	Cognitive and Social Structure of the Elite Collaboration Network of Astrophysics: A Case Study on Shifting Network Structures. **2011**, 49, 461-488		11
312	Measuring relatedness between communities in a citation network. *Journal of the Association for Information Science and Technology*, **2011**, 62, 1360-1369		17
311	Turning the tables on citation analysis one more time: Principles for comparing sets of documents. *Journal of the Association for Information Science and Technology*, **2011**, 62, 1370-1381		121
310	Which cities produce more excellent papers than can be expected? A new mapping approach, using Google Maps, based on statistical significance testing. *Journal of the Association for Information Science and Technology*, **2011**, 62, 1954-1962		57
309	The structure of the Arts & Humanities Citation Index: A mapping on the basis of aggregated citations among 1,157 journals. *Journal of the Association for Information Science and Technology*, **2011**, 62, 2414-2426		49
308	Approaches to understanding and measuring interdisciplinary scientific research (IDR): A review of the literature. **2011**, 5, 14-26		382
307	An approach for detecting, quantifying, and visualizing the evolution of a research field: A practical application to the Fuzzy Sets Theory field. **2011**, 5, 146-166		605

306	Time series of outgrow indices. **2011**, 5, 413-421		5
305	Investigating relationships within and between category networks in Wikipedia. **2011**, 5, 431-438		16
304	Idea-map: A spatiotemporal view of research ideas. **2011**,		
303	The effect of funding on academic research impact: a case study of Iranian publications. **2011**, 63, 593-602		13
302	Is sustainability science becoming more interdisciplinary over time?. **2012**, 215-236		12
301	Research Coordination Networks: Evidence of the Relationship between Funded Interdisciplinary Networking and Scholarly Impact. **2012**, 62, 282-288		41
300	Stem cell research: bibliometric analysis of main research areas through KeyWords Plus. **2012**, 64, 561-590		14
299	Program-level assessment of research centers: Contribution of Nanoscale Science and Engineering Centers to US Nanotechnology National Initiative goals. **2012**, 21, 368-380		19
298	A general framework for describing diversity within systems and similarity between systems with applications in informetrics. *Scientometrics*, **2012**, 93, 787-812	3	32
297	Beyond the basemap of science: mapping multiple structures in research portfolios: evidence from Hungary. *Scientometrics*, **2012**, 93, 869-891	3	11
296	Assessing research network and disciplinary engagement changes induced by an NSF program. **2012**, 21, 89-104		16
295	How journal rankings can suppress interdisciplinary research: A comparison between Innovation Studies and Business & Management. *Research Policy*, **2012**, 41, 1262-1282	7.5	308
294	Reflection of cross-disciplinary research at Creative Research Institution (Hokkaido University) in the Web of Science database: appraisal and visualization using bibliometry. *Scientometrics*, **2012**, 93, 101-111	3	7
293	Identifying interdisciplinarity through the disciplinary classification of coauthors of scientific publications. *Journal of the Association for Information Science and Technology*, **2012**, 63, 2206-2222		30
292	Bibliometric perspectives on medical innovation using the medical subject Headings of PubMed. *Journal of the Association for Information Science and Technology*, **2012**, 63, 2239-2253		49
291	Mapping academic institutions according to their journal publication profile: Spanish universities as a case study. *Journal of the Association for Information Science and Technology*, **2012**, 63, 2328-2340		20
290	Science is all in the eye of the beholder: Keyword maps in Google scholar citations. *Journal of the Association for Information Science and Technology*, **2012**, 63, 2370-2377		15
289	Exploring the directed h-degree in directed weighted networks. **2012**, 6, 619-630		19

288	A framework for knowledge integration and diffusion. **2012**, 68, 31-44		34
287	Automatic extraction of common research areas in world scientograms using the multiobjective Subdue algorithm. **2012**,		
286	Non-profit alternatives to commercial academic journals: Success stories from mathematics. **2012**, 31, 263-265		3
285	Tracking the evolution of waste recycling research using overlay maps of science. **2012**, 32, 1069-74		11
284	The scientometric evaluation of the research on the production of bioenergy from biomass. **2012**, 47, 504-515		72
283	Interactive overlays: A new method for generating global journal maps from Web-of-Science data. **2012**, 6, 318-332		69
282	[Number of authors and institutional collaboration in Spanish biomedical research papers. Evolution of the basic parameters in the period 1990-2009]. **2012**, 138, 165-70		3
281	Text mining of information resources to inform Forecasting Innovation Pathways. **2012**, 24, 843-861		35
280	Evolutionary trajectories of the nanotechnology research across worldwide economic players. **2012** , 24, 1029-1050		46
279	Nanobiomedical science in China: a research field on the rise. **2012**, 24, 69-88		
278	Complex systems science: Dreams of universality, interdisciplinarity reality. *Journal of the Association for Information Science and Technology*, **2012**, 63, 1327-1338		20
277	Bridging the Mutual Knowledge Gap: Coordination and the Commercialization of University Science. *SSRN Electronic Journal*, **2012**,	1	0
276	Mapping (USPTO) patent data using overlays to Google Maps. *Journal of the Association for Information Science and Technology*, **2012**, 63, 1442-1458		44
275	A bibliometric tool to assess the regional dimension of university–industry research collaborations. *Scientometrics*, **2012**, 91, 955-975	3	23
274	Optimal and hierarchical clustering of large-scale hybrid networks for scientific mapping. *Scientometrics*, **2012**, 91, 473-493	3	14
273	Dividing Discipline: Structures of Communication in International Relations. **2012**, 14, 32-50		35
272	A forward diversity index. *Scientometrics*, **2012**, 90, 407-427	3	44
271	Mapping Science. **2013**, 259-320		

270	The comparison of normalization procedures based on different classification systems. **2013**, 7, 945-958		11
269	Mapping citation patterns of book chapters in the Book Citation Index. **2013**, 7, 412-424		29
268	Large-scale temporal analysis of computer and information science. **2013**, 222, 1441-1465		3
267	Research literature clustering using diffusion maps. **2013**, 7, 874-886		9
266	A bird's-eye view of scientific trading: Dependency relations among fields of science. **2013**, 7, 249-264		39
265	Hindsight, insight, and foresight: a multi-level structural variation approach to the study of a scientific field. **2013**, 25, 619-640		13
264	Interactive overlays of journals and the measurement of interdisciplinarity on the basis of aggregated journal[]journal citations. *Journal of the Association for Information Science and Technology*, **2013**, 64, 2573-2586		76
263	Acquisition of European research funds and its effect on international scientific collaboration. **2013**, 13, 23-52		65
262	Global maps of science based on the new Web-of-Science categories. *Scientometrics*, **2013**, 94, 589-593	3	157
261	Measuring international knowledge flows and scholarly impact of scientific research. *Scientometrics*, **2013**, 94, 163-179	3	32
260	Using bibliometrics to support the facilitation of cross-disciplinary communication. *Journal of the Association for Information Science and Technology*, **2013**, 64, 1768-1779		4
259	Forecasting Innovation Pathways (FIP) for new and emerging science and technologies. **2013**, 80, 267-285		105
258	Quantifying the interdisciplinarity of scientific journals and fields. **2013**, 7, 469-477		35
257	A knowledge discovery system for detecting and visualizing knowledge evolution of a research field. **2013**,		
256	Bridging the Mutual Knowledge Gap: Coordination and the Commercialization of University Science. **2013**, 56, 498-524		109
255	When does centrality matter? Scientific productivity and the moderating role of research specialization and cross-community ties. **2013**, 34, 648-670		40
254	Network structural analysis of technology: a study from patent perspective. **2013**, 4, 214-235		3
253	Facilitating social and natural science cross-disciplinarity: Assessing the human and social dynamics program. **2013**,		6

252	IS COMMUNITY PSYCHOLOGY TOO INSULAR? A NETWORK ANALYSIS OF JOURNAL CITATIONS. **2013**, 41, 549-564		39
251	The elephant in the room: mapping the latent communication pattern in European Union studies. **2013**, 20, 1-20		26
250	Visualizing Bibliometric Networks. **2014**, 285-320		375
249	Detecting Research Fronts Using Neural Network Model for Weighted Citation Network Analysis. **2014**,		
248	Topic overlay maps and the cognitive structure of policy-related SSH. **2014**,		1
247	A methodological combined framework for roadmapping biosensor research: a fault tree analysis approach within a strategic technology evaluation frame. **2014**, 34, 31-55		15
246	Patent overlay mapping: Visualizing technological distance. **2014**, 65, 2432-2443		82
245	Finding knowledge paths among scientific disciplines. **2014**, 65, 2331-2347		25
244	Bibliometric methodology to detect collaborative and competitive countries. **2014**,		1
243	Advanced sciences convergence based methods for surveillance of emerging trends in science, technology, and intelligence. **2014**, 16, 17-36		11
242	A map of cognitive brokerage between large science domains. **2014**,		
241	The many dimensions of laboratories' interdisciplinarity. *Scientometrics*, **2014**, 98, 619-631	3	16
240	A bibliometric study of the world's research activity in sustainable development and its sub-areas using scientific literature. *Scientometrics*, **2014**, 99, 549-579	3	74
239	Evolutionary games between subject categories. *Scientometrics*, **2014**, 101, 869-888	3	0
238	Assessing the crossdisciplinarity of technology-enhanced learning with science overlay maps and diversity measures. **2014**, 45, 415-427		9
237	How to evaluate the degree of interdisciplinarity of an institution?. *Scientometrics*, **2014**, 101, 1871-1895	3	17
236	Creation of a highly detailed, dynamic, global model and map of science. **2014**, 65, 670-685		77
235	How knowledge diffuses across countries: a case study in the field of management. *Scientometrics*, **2014**, 98, 2129-2144	3	2

234	The shift from theory to innovation: the evolution of Brazilian research frontiers 2005–2011. **2014**, 26, 105-119		8
233	Patterns of connections and movements in dual-map overlays: A new method of publication portfolio analysis. **2014**, 65, 334-351		128
232	Analyzing the citation characteristics of books: edited books, book series and publisher types in the book citation index. *Scientometrics*, **2014**, 98, 2113-2127	3	31
231	Capturing waste recycling science. **2014**, 81, 250-258		2
230	A comparison of journal similarity across six disciplines using citing discipline analysis. **2014**, 8, 840-853		5
229	Detection method of emerging leading papers using time transition. *Scientometrics*, **2014**, 101, 1515-1533	3	16
228	Contemporary intellectual structure of CSCL research (2006–2013): a co-citation network analysis with an education focus. **2014**, 9, 335-363		22
227	Applying author co-citation analysis to user interaction analysis: a case study on instant messaging groups. *Scientometrics*, **2014**, 101, 985-997	3	3
226	Distance and velocity measures: using citations to determine breadth and speed of research impact. *Scientometrics*, **2014**, 100, 687-703	3	15
225	Impacts of an interdisciplinary research center on participant publication and collaboration patterns: A case study of the National Institute for Mathematical and Biological Synthesis. **2014**, 23, 327-340		12
224	Conceptualizing the interdisciplinary diffusion and evolution of emerging fields: The case of systems biology. **2014**, 8, 43-58		8
223	Post-interdisciplinary frames of reference: exploring permeability and perceptions of disciplinarity in the social sciences. *Scientometrics*, **2014**, 101, 1695-1714	3	3
222	Detecting research fronts using different types of weighted citation networks. **2014**, 32, 129-146		35
221	Ranking and mapping of universities and research-focused institutions worldwide based on highly-cited papers. **2014**, 38, 43-58		36
220	Analyzing evolution of research topics with NEViewer: a new method based on dynamic co-word networks. *Scientometrics*, **2014**, 101, 1253-1271	3	34
219	Nanoscience and nanotechnology research publications: a comparison between Australia and the rest of the world. *Scientometrics*, **2014**, 100, 121-148	3	20
218	Assessing the impact of JIBS as an interdisciplinary journal: A network approach. **2014**, 45, 787-799		20
217	Comparative bibliographic analyses of the global and Japanese databases in the field of solar cell. **2015**,		1

216	Immigration and Ideas: What Did Russian Scientists Bring to the United States?. **2015**, 33, S257-S288		26
215	Detecting Research Fronts Using Neural Network Model for Weighted Citation Network Analysis. **2015**, 23, 753-758		4
214	The assortativity of scholars at a research-intensive university in Malaysia. **2015**, 33, 162-180		3
213	Outside the comfort zone: impacts of interdisciplinary research collaboration on research, pedagogy, and disciplinary knowledge production. **2015**, 7, 47-79		7
212	Is the expertise of evaluation panels congruent with the research interests of the research groups: A quantitative approach based on barycenters. **2015**, 9, 704-721		6
211	A profile-boosted research analytics framework to recommend journals for manuscripts. **2015**, 66, 180-200		13
210	Analysis and Visualization of Citation Networks. **2015**, 7, 1-207		60
209	Argue, observe, assess: Measuring disciplinary identities and differences through socio-epistemic discourse. **2015**, 66, 1374-1387		14
208	A Brief History of Nanoscience and Foresight in Nanotechnology. **2015**, 63-86		5
207	Prospects for, and Challenges of, Research Design and Training in Cross-Disciplinary Environmental Management Research. **2015**, 53, 81-94		1
206	How does the entrepreneurial orientation of scientists affect their scientific performance? Evidence from the quadrant model. **2015**, 27, 999-1013		8
205	Multi-view clustering with exemplars for scientific mapping. *Scientometrics*, **2015**, 105, 1527-1552	3	7
204	Modeling knowledge diffusion in scientific innovation networks: an institutional comparison between China and US with illustration for nanotechnology. *Scientometrics*, **2015**, 105, 1953-1984	3	15
203	LIS journals categorization in the Journal Citation Report: a stated preference study. *Scientometrics*, **2015**, 102, 1083-1099	3	17
202	Revisiting the American Social Science: Mapping the Geography of International Relations. **2015**, 16, 246-269		58
201	Epistemic integration of the European Research Area: The shifting geography of the knowledge base of Finnish research, 1995–2010. **2015**, 42, 549-566		2
200	A critical review of SCImago Journal & Country Rank. **2015**, 24, 343-354		36
199	Clusterization and mapping of waste recycling science. Evolution of research from 2002 to 2012. **2015**, 66, 1431-1446		10

198	Highly cited articles in the Information Science and Library Science category in Social Science Citation Index: A bibliometric analysis. **2016**, 48, 36-46		27
197	A Mapping of Marine Biodiversity Research Trends and Collaboration in the East Asia Region from 1996–2015. **2016**, 8, 1075		8
196	Scientific Wealth in Middle East and North Africa: Productivity, Indigeneity, and Specialty in 1981-2013. *PLoS ONE*, **2016**, 11, e0164500	3.7	10
195	BIBLIOGRAPHY. **2016**, 407-484		
194	Using path-based approaches to examine the dynamic structure of discipline-level citation networks: 1997–2011. **2016**, 67, 1943-1955		4
193	Quantifying the diaspora of knowledge in the last century. **2016**, 1, 15		10
192	Using bibliometric analysis and text mining to improve the Thai talent database. **2016**,		1
191	Large-scale analysis of the accuracy of the journal classification systems of Web of Science and Scopus. **2016**, 10, 347-364		132
190	Using network science and text analytics to produce surveys in a scientific topic. **2016**, 10, 487-502		69
189	European research and the Hungarian school of food irradiation. **2016**, 129, 13-23		1
188	Understanding researchers' strategic behaviour in knowledge production: a case of social science and nanotechnology researchers. **2016**, 20, 1148-1167		6
187	Science and Society. Assessment of Research. **2016**, 3-52		1
186	The research space: using career paths to predict the evolution of the research output of individuals, institutions, and nations. *Scientometrics*, **2016**, 109, 1695-1709	3	47
185	Uncovering inter-specialty knowledge communication using author citation networks. *Scientometrics*, **2016**, 109, 839-854	3	3
184	Research synthesis methods and library and information science: Shared problems, limited diffusion. **2016**, 67, 1990-2008		5
183	Replicability and the public/private divide. **2016**, 67, 1777-1778		2
182	Mapping the evolution of scientific fields based on cross-field authors. **2016**, 10, 750-761		15
181	Overlay maps based on Mendeley data: The use of altmetrics for readership networks. **2016**, 67, 3064-3072		6

180	Updating the SCImago journal and country rank classification: A new approach using Ward's clustering and alternative combination of citation measures. **2016**, 67, 178-190		13
179	Map of science with topic modeling: Comparison of unsupervised learning and human-assigned subject classification. **2016**, 67, 2464-2476		69
178	Scientific collaboration framework of BRICS countries: an analysis of international coauthorship. *Scientometrics*, **2016**, 109, 433-446	3	44
177	The study of subject-classification based on journal coupling and expert subject-classification system. *Scientometrics*, **2016**, 107, 1149-1170	3	2
176	Navigating the innovation trajectories of technology by combining specialization score analyses for publications and patents: graphene and nano-enabled drug delivery. *Scientometrics*, **2016**, 106, 1057-1071	3	15
175	Citation analysis and mapping of nanoscience and nanotechnology: identifying the scope and interdisciplinarity of research. *Scientometrics*, **2016**, 106, 563-581	3	17
174	Orientations and outcome of interdisciplinary research: the case of research behaviour in translational medical science. *Scientometrics*, **2016**, 106, 67-90	3	3
173	Decreasing diversity in Japanese science, evidence from in-depth analyses of science maps. *Scientometrics*, **2016**, 106, 383-403	3	7
172	[Bibliometric analysis of the Spanish scientific production in Infectious Diseases and Microbiology]. **2016**, 34, 166-76		12
171	Using course-subject Co-occurrence (CSCO) to reveal the structure of an academic discipline: A framework to evaluate different inputs of a domain map. **2017**, 68, 182-196		1
170	The progress of interdisciplinarity in invasion science. **2017**, 46, 428-442		78
169	Multilevel exploration of the realities of interdisciplinary research centers for the management of knowledge integration. **2017**, 62-63, 22-41		13
168	Identification and visualization of the intellectual structure and the main research lines in nanoscience and nanotechnology at the worldwide level. **2017**, 19, 62		19
167	Memetic search for overlapping topics based on a local evaluation of link communities. *Scientometrics*, **2017**, 111, 1089-1118	3	14
166	Generating clustered journal maps: an automated system for hierarchical classification. *Scientometrics*, **2017**, 110, 1601-1614	3	19
165	An Observation of Research Complexity in Top Universities Based on Research Publications. **2017**,		5
164	Investigating the dynamics of interdisciplinary evolution in technology developments. **2017**, 122, 12-23		20
163	Visual Analysis of Patent Data Through Global Maps and Overlays. **2017**, 281-295		1

162	Measuring cognitive distance between publication portfolios. **2017**, 11, 583-594		7
161	Scientific evolutionary pathways: Identifying and visualizing relationships for scientific topics. **2017**, 68, 1925-1939		45
160	Drivers of knowledge accumulation in electronic waste management: An analysis of publication data. *Research Policy*, **2017**, 46, 925-938	7.5	10
159	Science Mapping: A Systematic Review of the Literature. **2017**, 2, 1-40		315
158	Saving Soviet Science: The Impact of Grants When Government R&D Funding Disappears. **2017**, 9, 165-201		18
157	Same data□different results? Towards a comparative approach to the identification of thematic structures in science. *Scientometrics*, **2017**, 111, 981-998	3	46
156	Early insights on the Emerging Sources Citation Index (ESCI): an overlay map-based bibliometric study. *Scientometrics*, **2017**, 111, 2041-2057	3	17
155	Mapping science using Library of Congress Subject Headings. **2017**, 11, 1080-1094		6
154	JIF-Plots: using plots of citations versus citable items as a tool to study journals and subject categories and discover new scientometric relationships. *Scientometrics*, **2017**, 113, 1141-1154	3	1
153	Visualization of Disciplinary Profiles: Enhanced Science Overlay Maps. **2017**, 2, 68-111		23
152	Science Mapping Tools and Applications. **2017**, 57-137		3
151	Study on the destination of research via knowledge flows. *Scientometrics*, **2017**, 112, 273-288	3	2
150	Do patent citations indicate knowledge linkage? The evidence from text similarities between patents and their citations. **2017**, 11, 63-79		21
149	Citation-Based Journal Rankings: Key Questions, Metrics, and Data Sources. **2017**, 5, 22036-22053		24
148	The Automatic Scientometrics Analyzing System. **2017**,		1
147	Cognitive Distances between Evaluators and Evaluees in Research Evaluation: A Comparison between Three Informetric Methods at the Journal and Subject Category Aggregation Level. *Frontiers in Research Metrics and Analytics*, **2017**, 2,	1.3	2
146	Identification and Visualization of the Intellectual Structure in Graphene Research. *Frontiers in Research Metrics and Analytics*, **2017**, 2,	1.3	18
145	A Bibliometric Study to Assess Bioprinting Evolution. **2017**, 7, 1331		8

144	Analysing Institutions Interdisciplinarity by Extensive Use of Rao-Stirling Diversity Index. *PLoS ONE*, **2017**, 12, e0170296	3.7	10
143	Interdisciplinary Collaboration between Natural and Social Sciences - Status and Trends Exemplified in Groundwater Research. *PLoS ONE*, **2017**, 12, e0170754	3.7	30
142	Time series-based bibliometric analysis of the dynamics of scientific production. *Scientometrics*, **2018**, 115, 1139-1159	3	8
141	Are leaders really leading? Journals that are first in Web of Science subject categories in the context of their groups. *Scientometrics*, **2018**, 115, 111-130	3	5
140	Notice of Retraction: Review of the Feature Selective Validation Method (FSV). Part II - Performance Analysis and Research Fronts. **2018**, 60, 1029-1035		17
139	Highly cited articles in wind tunnel-related research: a bibliometric analysis. **2018**, 25, 15541-15553		11
138	Measuring the diffusion of an innovation: A citation analysis. **2018**, 69, 368-379		21
137	Bibliomaps - a software to create web-based interactive maps of science: The case of UX map. **2018**, 55, 815-816		1
136	Journals that Rise from the Fourth Quartile to the First Quartile in Six Years or Less: Mechanisms of Change and the Role of Journal Self-Citations. **2018**, 6, 47		3
135	Identification of Research Thematic Approaches Based on Keywords Network Analysis in Colombian Social Sciences. **2018**,		1
134	Measuring and Visualizing Research Collaboration and Productivity. **2018**, 3, 54-81		3
133	Disciplinary structures in Nature, Science and PNAS: journal and country levels. *Scientometrics*, **2018** , 116, 1817-1852	3	6
132	Interdisciplinarity and insularity in the diffusion of knowledge: an analysis of disciplinary boundaries between philosophy of science and the sciences. *Scientometrics*, **2018**, 117, 331-349	3	12
131	Stochastic block model reveals maps of citation patterns and their evolution in time. **2018**, 12, 757-783		9
130	Thesaurus-Based Topic Models and Their Evaluation. **2018**,		1
129	On entropy research analysis: cross-disciplinary knowledge transfer. *Scientometrics*, **2018**, 117, 123-139	3	4
128	Lessons From 10 Years of Nanotechnology Bibliometric Analysis. **2018**, 11-31		2
127	Evaluating Thesaurus-Based Topic Models. *Lecture Notes in Computer Science*, **2018**, 364-376	0.9	

126	Combining co-citation clustering and text-based analysis to reveal the main development paths of smart cities. **2019**, 142, 56-69		68
125	Measuring Interdisciplinary Research Categories and Knowledge Transfer: A Case Study of Connections between Cognitive Science and Education. **2019**, 27, 582-618		2
124	Are articles in library and information science (LIS) journals primarily contributed to by LIS authors?. *Scientometrics*, **2019**, 121, 81-104	3	5
123	Intellectual structure and evolution patterns of archival information resource research in China. **2019**, 37, 233-250		1
122	Visualizing a field of research: A methodology of systematic scientometric reviews. *PLoS ONE*, **2019**, 14, e0223994	3.7	142
121	Learning about learning: patterns of sharing of research knowledge among Education, Border, and Cognitive Science fields. *Scientometrics*, **2019**, 118, 1093-1117	3	4
120	Evaluation in research funding agencies: Are structurally diverse teams biased against?. *Research Policy*, **2019**, 48, 1823-1840	7.5	12
119	Academic breeding grounds: Home department conditions and early career performance of academic researchers. *Research Policy*, **2019**, 48, 1647-1665	7.5	14
118	Inter-technology relationship networks: Arranging technologies through text mining. **2019**, 143, 202-213		5
117	The ‘who’ and the ‘what’ in international migration research: data-driven analysis of Scopus-indexed scientific literature. **2019**, 38, 924-939		17
116	Exploration of an interdisciplinary scientific landscape. *Scientometrics*, **2019**, 119, 617-641	3	8
115	Overview of trends in global epigenetic research (2009–2017). *Scientometrics*, **2019**, 119, 1545-1574	3	3
114	The Relationship Between Interdisciplinarity and Journal Impact Factor in the Field of Communication During 1997–2016. **2019**, 69, 273-297		10
113	Determining the critical thresholds for co-word network based on the theory of percolation transition. **2019**, 76, 462-483		4
112	Revealing the main development paths of smart cities. **2019**, 89-133		1
111	Comparing journal and paper level classifications of science. **2019**, 13, 202-225		35
110	Identifying technology convergence in the field of robotics research. **2019**, 146, 751-766		16
109	Trends and turning points of banking: a timespan view. **2020**, 14, 1183-1219		4

108	A bibliometric approach to finding fields that co-evolved with information technology. *Scientometrics*, **2020**, 122, 3-21	3	7
107	Practical method to reclassify Web of Science articles into unique subject categories and broad disciplines. **2020**, 1, 183-206		15
106	A look at interdisciplinarity using bipartite scholar/journal networks. *Scientometrics*, **2020**, 122, 867-894	3	5
105	Dynamical entropic analysis of scientific concepts. *Journal of Information Science*, **2020**, 016555152097203		
104	How do academia and society react to erroneous or deceitful claims? The case of retracted articles recognition. *Journal of Information Science*, **2020**, 016555152094585	2	2
103	Uncovering the knowledge flows and intellectual structures of research in Technological Forecasting and Social Change: A journey through history. **2020**, 160, 120210		7
102	Using ontologies to map between research data and policymakers presumptions: the experience of the KNOWMAK project. *Scientometrics*, **2020**, 125, 1275-1290	3	3
101	Measuring visibility of disciplines on Chinese academic web. *Journal of Information Science*, **2020**, 016555152096805		
100	Information Science and Library Science (IS-LS) journal subject categorisation and comparison based on editorship information. **2020**, 14, 101069		3
99	Revisiting subject classification in academic databases: A comparison of the classification accuracy of Web of Science, Scopus & Dimensions. **2020**, 39, 2471-2476		4
98	Eco-system mapping of techno-science linkages at the level of scholarly journals and fields. *Scientometrics*, **2020**, 124, 2037-2055	3	2
97	The global scientific research response to the public health emergency of Zika virus infection. *PLoS ONE*, **2020**, 15, e0229790	3.7	10
96	From digital to sustainable: A scientometric review of smart city literature between 1990 and 2019. **2020**, 258, 120689		67
95	ADD: Academic Disciplines Detector Based on Wikipedia. **2020**, 8, 7005-7019		1
94	Machine learning misclassification of academic publications reveals non-trivial interdependencies of scientific disciplines. *Scientometrics*, **2021**, 126, 1173-1186	3	2
93	Collective and individual interdisciplinarity in a sustainability research group: A social network analysis. **2021**, 16, 37-52		2
92	A Scientometric Analysis of Remanufacturing by Mapping Scientific, Organizational, and National Concentration Zones. **2021**, 68, 1055-1071		3
91	Diversity and interdisciplinarity in nanoscience and nanotechnology: a time-related analysis of the subject category. **2021**, 23, 1		1

90	Technology Roadmapping Using Text Mining: A Foresight Study for the Retail Industry. **2021**, 1-17		3
89	A Knowledge Representation Model for Studying Knowledge Creation, Usage, and Evolution. *Lecture Notes in Computer Science*, **2021**, 97-111	0.9	
88	Tracing the development of mapping knowledge domains. *Scientometrics*, **2021**, 126, 6201	3	3
87	Nature of Science (NOS) Being Acquainted with Science of Science (SoS): Providing a Panoramic Picture of Sciences to Embody NOS for Pre-Service Teachers. **2021**, 11, 107		2
86	Yerel Y□netimler ve B□□ □kisine Y□nelik Akademik □al□malar□n Bibliyometrik Analizi.		0
85	Analyzing Two Approaches in Interdisciplinary Research: Individual and Collaborative. **2021**, 25, 301-309		
84	Trends in diabetes research outputs in South Africa over 30´years from 2010 to 2019: A bibliometric analysis. **2021**, 28, 2914-2924		3
83	Trend Linking of Multiple System Atrophy: A Scientometric Study. **2021**, 21, 700-710		1
82	Potential index: Revealing the future impact of research topics based on current knowledge networks. **2021**, 15, 101165		1
81	A study of interdisciplinary accounting research: analysing the diversity of cited references.		
80	Looking Back to Move Forward: A Bibliometric Analysis of Consumer Privacy Research. **2021**, 16, 727-747		0
79	Tracing the context in disciplinary classifications: A bibliometric pairwise comparison of five classifications of journals in the social sciences and humanities. **2021**, 2, 65-88		2
78	Visualizing the Scientific Landscape Using Maps of Science. **2012**, 103-112		4
77	Measuring Science: Basic Principles and Application of Advanced Bibliometrics. **2019**, 237-280		15
76	Bibliometric Delineation of Scientific Fields. **2019**, 25-68		7
75	Reviewing, Indicating, and Counting Books for Modern Research Evaluation Systems. **2019**, 715-728		3
74	Knowledge Integration: Its Meaning and Measurement. **2019**, 69-94		10
73	Mapping and Usage of Know-How Contributions. **2015**, 102-115		2

72	Impact for whom? Mapping the users of public research with lexicon-based text mining. *Scientometrics*, **2021**, 126, 1745-1774	3	3
71	Interdisciplinarity revisited: evidence for research impact and dynamism. **2019**, 5,		26
70	Mapping the physics research space: a machine learning approach. **2019**, 8,		11
69	A Study on Ontology and Topic Modeling-based Multi-dimensional Knowledge Map Services. **2015**, 21, 79-92		1
68	Synthetic biology: mapping the scientific landscape. *PLoS ONE*, **2012**, 7, e34368	3.7	63
67	Design and update of a classification system: the UCSD map of science. *PLoS ONE*, **2012**, 7, e39464	3.7	130
66	A comprehensive survey of retracted articles from the scholarly literature. *PLoS ONE*, **2012**, 7, e44118	3.7	154
65	Mining author relationship in scholarly networks based on tripartite citation analysis. *PLoS ONE*, **2017**, 12, e0187653	3.7	1
64	Evolution of technology convergence networks in Korea: Characteristics of temporal changes in R&D according to institution type. *PLoS ONE*, **2018**, 13, e0192195	3.7	7
63	Science through Wikipedia: A novel representation of open knowledge through co-citation networks. *PLoS ONE*, **2020**, 15, e0228713	3.7	12
62	Finding Cultural Holes: How Structure and Culture Diverge in Networks of Scholarly Communication. 1, 221-238		39
61	Measuring Paradigmaticness of Disciplines Using Text. 3, 757-778		10
60	Korea's STEM Research Analysis Based on Publications in the Web of Science, 1968-2012. **2014**, 2, 35-47		1
59	Individual Versus Institutional Ownership of University-Discovered Inventions. *SSRN Electronic Journal*,	1	2
58	Individual versus Institutional Ownership of University-Discovered Inventions. *SSRN Electronic Journal*,	1	1
57	Bibliometric mapping and clustering analysis of Iranian papers on reproductive medicine in Scopus database (2010-2014). *International Journal of Reproductive BioMedicine*, **2016**, 14, 371-382	1.3	9
56	Estudio evolutivo de la investigaci□ espa□ola con c□lulas madre. Visualizaci□ e identificaci□ de las principales l□neas de investigaci□. *Profesional De La Informacion*, **2014**, 23, 259-271	3.7	5
55	An□lisis de la relaci□ entre disciplinas a trav□ del uso de tesis doctorales. El caso de Televisi□, Radio, Cine y Fotograf□ en Espa□.		3

54	Morphological Classification of Knowledge Map for Science and Technology and Development of Knowledge Map Examples in the View of Information Analysis. *The Journal of the Korea Contents Association*, **2013**, 13, 461-476		1
53	Mapping the Research on Coronavirus: A Scientometric Study. *Journal of Hospital Librarianship*, 1-16	0.3	
52	Industry Collaborations of Research Teams: Are They Penalized or Rewarded in the Grant Evaluation Process?. *Frontiers in Research Metrics and Analytics*, **2021**, 6, 707278	1.3	1
51	Selective world-building: Collaboration and regional specificities in the marine biodiversity field. *Environmental Science and Policy*, **2021**, 126, 79-89	6.2	0
50	Mapping Knowledge Structure of Science and Technology Based on University Research Domain Analysis. *Journal of the Korean Society for Information Management*, **2009**, 26, 195-210		1
49	Analysis of the Time Evolution of Scientograms Using the Subdue Graph Mining Algorithm. *Lecture Notes in Computer Science*, **2010**, 310-319	0.9	
48	Research Profiling of Nano-enchanced Molecular Imaging Technology. *Journal of Engineering Studies*, **2011**, 3, 122-131		
47	Scientific and Technological Networks Co-Evolution: A Chain of Dualities Framework. *SSRN Electronic Journal*,	1	
46	The Emergence of an Interdisciplinary Scientific Community at the Science-Technology Overlap: Evidence From Particle Therapy of Cancer. *SSRN Electronic Journal*,	1	
45	What Happened to the Crossdisciplinarity of Technology-Enhanced Learning in 2004?. *Lecture Notes in Computer Science*, **2013**, 472-477	0.9	
44	A Comparative Study on the Trend of Technological Convergence. *Journal of Korean Institute of Industrial Engineers*, **2013**, 39, 222-232	0.8	1
43	Automatic Subject Classification of Korean Journals. *International Journal of Contents*, **2014**, 10, 43-46		
42	International Funding and Collaboration in Sea Level Rise Research. *Advances in Knowledge Acquisition, Transfer and Management Book Series*, **2015**, 76-89	0.3	1
41	Analysis of Research status based on Citation Context. *International Journal of Contents*, **2015**, 11, 63-68		
40	Knowledge Structures and Research Management based on Bibliographic Analysis : A Case of Government-funded Research Institutes in Korea. *Journal of the Korean Operations Research and Management Science Society*, **2015**, 40, 65-81	0.1	
39	Knowledge Map Service based on Ontology of Nation R&D Information. *Journal of Digital Convergence*, **2016**, 14, 251-260		
38	Railroad Information Integrated-Service and Its Knowledge-Base Construction Method based on Passengers Needs Analysis. *The Journal of the Institute of Internet Broadcasting and Communication*, **2016**, 16, 9-18		
37	Nano-biotechnology for Water Sustainability: Bibliometric Analysis. **2017**, 343-357		

36	Mapping of stem cell research in India during 2009–2014: a bibliometric analysis. *Polish Annals of Medicine*,	0	
35	A Review of the DesignX Discourse: Knowledge Diffusion and Integration Across Disciplines. *Lecture Notes in Computer Science*, **2019**, 57-78	0.9	1
34	Assessing the Utilization and Interrelatedness of Scopus Subject Categories. *Han-guk Doseogwan-jeongbo Hakoeji*, **2019**, 50, 251-272	0	
33	The global scientific research response to the public health emergency of Zika virus infection.		
32	Comparative Analysis of Scientific Research between China and the United States Based on Academic Big Data. **2020**,		
31	A qualitative–quantitative study of science mapping by different algorithms: The Polish journals landscape. *Journal of Information Science*, **2021**, 47, 359-372	2	1
30	Producción científica educativa, redes de autores y enfoques temáticos: Caso Universidad del Atlántico. *Educación Y Humanismo*, **2020**, 22, 1-17	0.7	
29	Social Network Analysis Tools to Understand How Research Groups Interact. 290-309		
28	International Funding and Collaboration in Sea Level Rise Research. 274-287		
27	A Bibliometric Analysis of the Professional Skills in the Scientific Journals of Project Management. *Lecture Notes in Management and Industrial Engineering*, **2021**, 147-158	0.3	
26	Analysis of Progress in Research on Community Mining Based on Bibliometrics. **2021**,		
25	Map of scientific research on Communication in Spain: study fronts and rankings of authors, publications and institutions. *Profesional De La Informacion*,	3.7	0
24	How tourism research integrates environmental issues? A keyword network analysis. *Journal of Outdoor Recreation and Tourism*, **2022**, 37, 100503	2.7	2
23	Impact of model settings on the text-based Rao diversity index. *Scientometrics*,	3	
22	Comparing paper level classifications across different methods and systems: an investigation of Nature publications. *Scientometrics*, 1	3	
21	Science maps for exploration, navigation, and reflection-A graphic approach to strategic thinking.. *PLoS ONE*, **2021**, 16, e0262081	3.7	1
20	Exploring the antecedents of interdisciplinarity at the European Research Council: a topic modeling approach. *Scientometrics*, 1	3	1
19	Bibliometric Approach to Evaluating the Impact of a Building Interdisciplinary Research Careers in Women's Health K12 Research Career Development Program.. *Journal of Women's Health*, **2022**,	3	

18	Peripheral Science Journalism: Scientists and Journalists Dancing on the Same Floor. *Journalism Practice*, 1-20	1.2	
17	A Bibliometric Analysis of Research Trends in Biodegradation of Plastics. *Polymers*, **2022**, 14, 2642	4.5	0
16	Relationship between ecosystem innovation and performance measurement models. *International Journal of Productivity and Performance Management*,	2.3	
15	Do scientific capabilities in specific domains matter for technological diversification in European regions?. *Research Policy*, **2022**, 51, 104594	7.5	0
14	Evolutionary stages and multidisciplinary nature of artificial intelligence research.		
13	A Global Analysis of Research Outputs on Neurotoxicants from 2011–2020: Adverse Effects on Humans and the Environment. **2022**, 12, 8275		0
12	Citation Graph Analysis and Alignment Between Citation Adjacency and Themes or Topics of Publications in the Area of Disease Control Through Social Network Surveillance. **2022**, 89-108		0
11	Editorial board interlocking across the social sciences: Modelling the geographic, gender, and institutional representation within and between six academic fields. **2022**, 17, e0273552		0
10	Obtaining interactions among science, technology, and research policy for developing an innovation strategy: A case study of supercapacitors. **2022**, 8, e10721		0
9	Citation bias in measuring knowledge flow: Evidence from the web of science at the discipline level. **2022**, 16, 101338		1
8	AI for AI: Using AI methods for classifying AI science documents. 1-19		0
7	Worldwide rapeseed (Brassica napus L.) research: A bibliometric analysis during 2011–2021. **2022**, 7, 157-165		0
6	Analyzing research outcomes and spillovers at a US nanotechnology user facility. **2022**, 24,		0
5	Knowledge base for social capital's role in scaling social impact: A bibliometric analysis.		0
4	Identifying social science engagement within agroecology: Classifying transdisciplinary literature with a semi-automated textual classification method. **2023**, 18, e0278991		0
3	The popularisation of self-care: Tracing the dissemination of Orem's Self-Care Deficiency Nursing Theory into the scientific disciplines.		0
2	Is DBLP a Good Computer Science Journals Database?. **2023**, 56, 101-108		0
1	Editorial Deciphering Convergence: Novel Insights and Future Ideas on Science, Technology, and Industry Convergence. **2023**, 70, 1389-1401		0