Alan L Porter

List of Publications by Year in Descending Order

254 papers	7,021 citations	44 h-index	76 g-index
284 ext. papers	8,247 ext. citations	4.8 avg, IF	6.28 L-index

#	Paper	IF	Citations
254	Contributing factors common to COVID-19 and gastrointestinal cancer. *Oncology Reports*, **2022**, 47,	3.5	2
253	Technology life cycle analysis: From the dynamic perspective of patent citation networks. *Technological Forecasting and Social Change*, **2022**, 181, 121760	9.5	1
252	An Approach to Construct Technological Convergence Networks Across Different IPC Hierarchies and Identify Key Technology Fields. *IEEE Transactions on Engineering Management*, **2021**, 1-13	2.6	
251	Determination of Factors Driving the Genome Editing Field in the CRISPR Era Using Bibliometrics. *CRISPR Journal*, **2021**, 4, 728-738	2.5	0
250	Interdisciplinary knowledge combinations and emerging technological topics: Implications for reducing uncertainties in research evaluation. *Research Evaluation*, **2021**, 30, 127-140	1.7	2
249	Corporate engagement with nanotechnology through research publications. *Journal of Nanoparticle Research*, **2021**, 23, 1	2.3	0
248	Co-citation, bibliographic coupling and leading authors, institutions and countries in the 50 years of Technological Forecasting and Social Change. *Technological Forecasting and Social Change*, **2021**, 165, 120487	9.5	16
247	An exploratory perspective to measure the emergence degree for a specific technology based on the philosophy of swarm intelligence. *Technological Forecasting and Social Change*, **2021**, 166, 120621	9.5	1
246	Profiling and predicting the problem-solving patterns in China⬚ research systems: A methodology of intelligent bibliometrics and empirical insights. *Quantitative Science Studies*, **2021**, 2, 409-432	3.8	1
245	Common contributing factors to COVID-19 and inflammatory bowel disease. *Toxicology Reports*, **2021**, 8, 1616-1637	4.8	5
244	Toxicology issues related to the COVID⬚19 outbreak **2021**, 359-372		
243	Combining tech mining and semantic TRIZ for technology assessment: Dye-sensitized solar cell as a case. *Technological Forecasting and Social Change*, **2021**, 169, 120826	9.5	1
242	Parallel or Intersecting Lines? Intelligent Bibliometrics for Investigating the Involvement of Data Science in Policy Analysis. *IEEE Transactions on Engineering Management*, **2020**, 1-13	2.6	4
241	. *IEEE Engineering Management Review*, **2020**, 48, 54-64	3.6	1
240	A 3-dimensional analysis for evaluating technology emergence indicators. *Scientometrics*, **2020**, 124, 27-55	3	3
239	Measuring tech emergence: A contest. *Technological Forecasting and Social Change*, **2020**, 159, 120176	9.5	8
238	Exploring Technology Evolution Pathways to Facilitate Technology Management: From a Technology Life Cycle Perspective. *IEEE Transactions on Engineering Management*, **2020**, 1-13	2.6	5

237	Tracking and Mining the COVID-19 Research Literature. *Frontiers in Research Metrics and Analytics*, **2020**, 5, 594060	1.3	8
236	[Editorial] COVID-19: Post-lockdown guidelines. *International Journal of Molecular Medicine*, **2020**, 46, 463-466	4.4	21
235	[Comment] COVID-19 vaccine safety. *International Journal of Molecular Medicine*, **2020**, 46, 1599-1602	4.4	26
234	Evaluating technological emergence using text analytics: two case technologies and three approaches. *Scientometrics*, **2020**, 122, 215-247	3	11
233	Uncovering the knowledge flows and intellectual structures of research in Technological Forecasting and Social Change: A journey through history. *Technological Forecasting and Social Change*, **2020**, 160, 120210	9.5	7
232	The under-reported role of toxic substance exposures in the COVID-19 pandemic. *Food and Chemical Toxicology*, **2020**, 145, 111687	4.7	19
231	Vaccine- and natural infection-induced mechanisms that could modulate vaccine safety. *Toxicology Reports*, **2020**, 7, 1448-1458	4.8	28
230	Updating a search strategy to track emerging nanotechnologies. *Journal of Nanoparticle Research*, **2019**, 21, 1	2.3	16
229	Learning about learning: patterns of sharing of research knowledge among Education, Border, and Cognitive Science fields. *Scientometrics*, **2019**, 118, 1093-1117	3	4
228	The relationship between forward and backward diversity in CORE datasets. *Scientometrics*, **2019**, 120, 961-974	3	
227	Can nanogenerators contribute to the global greening data centres?. *Nano Energy*, **2019**, 60, 235-246	17.1	5
226	Conceptual definition of technology emergence: A long journey from philosophy of science to science policy. *Technology in Society*, **2019**, 59, 101126	6.3	13
225	Identifying translational indicators and technology opportunities for nanomedical research using tech mining: The case of gold nanostructures. *Technological Forecasting and Social Change*, **2019**, 146, 767-775	9.5	11
224	Analysing the theoretical roots of technology emergence: an evolutionary perspective. *Scientometrics*, **2019**, 119, 97-118	3	8
223	National nanotechnology research prominence. *Technology Analysis and Strategic Management*, **2019**, 31, 25-39	3.2	8
222	Tracing the system transformations and innovation pathways of an emerging technology: Solid lipid nanoparticles. *Technological Forecasting and Social Change*, **2019**, 146, 785-794	9.5	13
221	Discovering and forecasting interactions in big data research: A learning-enhanced bibliometric study. *Technological Forecasting and Social Change*, **2019**, 146, 795-807	9.5	28
220	What people learn about how people learn: An analysis of citation behavior and the multidisciplinary flow of knowledge. *Research Policy*, **2019**, 48, 103835	7.5	5

219	Measuring Interdisciplinary Research Categories and Knowledge Transfer: A Case Study of Connections between Cognitive Science and Education. *Perspectives on Science*, **2019**, 27, 582-618	0.6	2
218	Data Analytics for Better Informed Technology & Engineering Management. *IEEE Engineering Management Review*, **2019**, 47, 29-32	3.6	1
217	Research addressing emerging technological ideas has greater scientific impact. *Research Policy*, **2019**, 48, 103834	7.5	17
216	Application of Text-Analytics in Quantitative Study of Science and Technology. *Springer Handbooks*, **2019**, 957-982	1.3	3
215	An approach to identify emergent topics of technological convergence: A case study for 3D printing. *Technological Forecasting and Social Change*, **2019**, 146, 723-732	9.5	16
214	An assessment of technology forecasting: Revisiting earlier analyses on dye-sensitized solar cells (DSSCs). *Technological Forecasting and Social Change*, **2019**, 146, 831-843	9.5	11
213	Forecasting technical emergence: An introduction. *Technological Forecasting and Social Change*, **2019**, 146, 626-627	9.5	5
212	Emergence scoring to identify frontier R&D topics and key players. *Technological Forecasting and Social Change*, **2019**, 146, 628-643	9.5	29
211	An indicator of technical emergence. *Scientometrics*, **2018**, 115, 35-49	3	35
210	A technology delivery system for characterizing the supply side of technology emergence: Illustrated for Big Data & Analytics. *Technological Forecasting and Social Change*, **2018**, 130, 165-176	9.5	14
209	Tech mining to validate and refine a technology roadmap. *World Patent Information*, **2018**, 55, 1-18	1.4	8
208	Lessons From 10 Years of Nanotechnology Bibliometric Analysis **2018**, 11-31		2
207	Insights into relationships between disruptive technology/innovation and emerging technology: A bibliometric perspective. *Technological Forecasting and Social Change*, **2018**, 129, 285-296	9.5	51
206	Facilitating the discovery of relevant studies on risk analysis for three-dimensional printing based on an integrated framework. *Scientometrics*, **2018**, 114, 277-300	3	7
205	Measuring and Visualizing Research Collaboration and Productivity. *Journal of Data and Information Science*, **2018**, 3, 54-81	1.2	3
204	Does deep learning help topic extraction? A kernel k-means clustering method with word embedding. *Journal of Informetrics*, **2018**, 12, 1099-1117	3.1	53
203	Evolutionary trend analysis of nanogenerator research based on a novel perspective of phased bibliographic coupling. *Nano Energy*, **2017**, 34, 93-102	17.1	64
202	Combining SAO semantic analysis and morphology analysis to identify technology opportunities. *Scientometrics*, **2017**, 111, 3-24	3	20

201	A hybrid method to trace technology evolution pathways: a case study of 3D printing. *Scientometrics*, **2017**, 111, 185-204	3	38
200	Visual Analysis of Patent Data Through Global Maps and Overlays. *The Kluwer International Series on Information Retrieval*, **2017**, 281-295	0.7	1
199	Crossing borders: A citation analysis of connections between Cognitive Science and Educational Research and the fields in between. *Research Evaluation*, **2017**, 26, 242-255	1.7	11
198	Forecasting potential sensor applications of triboelectric nanogenerators through tech mining. *Nano Energy*, **2017**, 35, 358-369	17.1	19
197	Scientometrics for tech mining: an introduction. *Scientometrics*, **2017**, 111, 1875-1878	3	5
196	A measure of staying power: Is the persistence of emergent concepts more significantly influenced by technical domain or scale?. *Scientometrics*, **2017**, 111, 2077-2087	3	10
195	Early insights on the Emerging Sources Citation Index (ESCI): an overlay map-based bibliometric study. *Scientometrics*, **2017**, 111, 2041-2057	3	17
194	A measure of knowledge flow between specific fields: Implications of interdisciplinarity for impact and funding. *PLoS ONE*, **2017**, 12, e0185583	3.7	16
193	Visualization of Disciplinary Profiles: Enhanced Science Overlay Maps. *Journal of Data and Information Science*, **2017**, 2, 68-111	1.2	23
192	Technological Emergence Indicators Using Emergence Scoring **2017**,		5
191	Validating the Earlier Analyses and Forecasting on Dye-Sensitized Solar Cells (DSSCs) **2017**,		1
190	Insight into the Disciplinary Structure of Nanoscience & Nanotechnology. *Journal of Data and Information Science*, **2017**, 2, 70-88	1.2	1
189	A taxonomy of small firm technology commercialization. *Industrial and Corporate Change*, **2016**, 25, 371-405		22
188	Big Data and Business: Tech Mining to Capture Business Interests and Activities around Big Data **2016**,		3
187	Early social science research about Big Data. *Science and Public Policy*, **2016**, scw021	1.8	3
186	Technology roadmapping for competitive technical intelligence. *Technological Forecasting and Social Change*, **2016**, 110, 175-186	9.5	34
185	Topic analysis and forecasting for science, technology and innovation: Methodology with a case study focusing on big data research. *Technological Forecasting and Social Change*, **2016**, 105, 179-191	9.5	95
184	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	2	15

183	How Multidisciplinary Are the Multidisciplinary Journals Science and Nature?. *PLoS ONE*, **2016**, 11, e0152637	3.7	17
182	How Does National Scientific Funding Support Emerging Interdisciplinary Research: A Comparison Study of Big Data Research in the US and China. *PLoS ONE*, **2016**, 11, e0154509	3.7	28
181	**2016**,		1
180	A hybrid similarity measure method for patent portfolio analysis. *Journal of Informetrics*, **2016**, 10, 1108-1130	3.130	32
179	Generating Competitive Technical Intelligence Using Topical Analysis, Patent Citation Analysis, and Term Clumping Analysis. *Innovation, Technology and Knowledge Management*, **2016**, 153-172	0.1	3
178	Identification of technology development trends based on subject–action–object analysis: The case of dye-sensitized solar cells. *Technological Forecasting and Social Change*, **2015**, 98, 24-46	9.5	46
177	A systematic method to create search strategies for emerging technologies based on the Web of Science: illustrated for Big Data. *Scientometrics*, **2015**, 105, 2005-2022	3	70
176	Nano-enabled drug delivery systems for brain cancer and Alzheimer's disease: research patterns and opportunities. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2015**, 11, 1763-71	6	24
175	Meta Data: Big Data Research Evolving across Disciplines, Players, and Topics **2015**,		4
174	Tech mining to generate indicators of future national technological competitiveness: Nano-Enhanced Drug Delivery (NEDD) in the US and China. *Technological Forecasting and Social Change*, **2015**, 97, 168-180	9.5	12
173	Analyzing patent topical information to identify technology pathways and potential opportunities. *Scientometrics*, **2015**, 102, 811-827	3	34
172	A bibliometric study of China's science and technology policies: 1949-2010. *Scientometrics*, **2015**, 102, 1521-1539	3	42
171	Identifying target for technology mergers and acquisitions using patent information and semantic analysis **2015**,		2
170	Mapping graphene science and development: Focused research with multiple application areas **2015**, 41, 22-25		7
169	A scientometric comparative study of single-walled and multi-walled carbon nanotubes research. *Proceedings of the Association for Information Science and Technology*, **2015**, 52, 1-4	0.4	2
168	Analyzing collaboration networks and developmental patterns of nano-enabled drug delivery (NEDD) for brain cancer. *Beilstein Journal of Nanotechnology*, **2015**, 6, 1666-76	3	10
167	Advancing the forecasting innovation pathways approach: hybrid and electric vehicles case. *International Journal of Technology Management*, **2015**, 69, 275	1.2	7
166	Nano-enabled drug delivery: a research profile. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2014**, 10, 889-96	6	30

165	Clustering scientific documents with topic modeling. *Scientometrics*, **2014**, 100, 767-786	3	117
164	A patent analysis method to trace technology evolutionary pathways. *Scientometrics*, **2014**, 100, 705-721	3	36
163	A technology opportunities analysis model: applied to dye-sensitised solar cells for China. *Technology Analysis and Strategic Management*, **2014**, 26, 87-104	3.2	25
162	How to combine term clumping and technology roadmapping for newly emerging science & technology competitive intelligence: "problem & solution" pattern based semantic TRIZ tool and case study. *Scientometrics*, **2014**, 101, 1375-1389	3	46
161	Distance and velocity measures: using citations to determine breadth and speed of research impact. *Scientometrics*, **2014**, 100, 687-703	3	15
160	Introduction to Special Issue on TechMining. *Scientometrics*, **2014**, 100, 611-612	3	2
159	"Term clumping" for technical intelligence: A case study on dye-sensitized solar cells. *Technological Forecasting and Social Change*, **2014**, 85, 26-39	9.5	100
158	Comparing methods to extract technical content for technological intelligence. *Journal of Engineering and Technology Management - JET-M*, **2014**, 32, 97-109	3.7	31
157	Patent overlay mapping: Visualizing technological distance. *Journal of the Association for Information Science and Technology*, **2014**, 65, 2432-2443	2.7	82
156	Four dimensional Science and Technology planning: A new approach based on bibliometrics and technology roadmapping. *Technological Forecasting and Social Change*, **2014**, 81, 39-48	9.5	84
155	Triple Helix innovation in China's dye-sensitized solar cell industry: hybrid methods with semantic TRIZ and technology roadmapping. *Scientometrics*, **2014**, 99, 55-75	3	45
154	Measuring the development of a common scientific lexicon in nanotechnology. *Journal of Nanoparticle Research*, **2014**, 16, 1	2.3	16
153	A hybrid visualisation model for technology roadmapping: bibliometrics, qualitative methodology and empirical study. *Technology Analysis and Strategic Management*, **2013**, 25, 707-724	3.2	55
152	Toward a more precise definition of self-citation. *Scientometrics*, **2013**, 94, 777-780	3	16
151	Validating indicators of interdisciplinarity: linking bibliometric measures to studies of engineering research labs. *Scientometrics*, **2013**, 94, 439-468	3	18
150	Technology life cycle analysis method based on patent documents. *Technological Forecasting and Social Change*, **2013**, 80, 398-407	9.5	106
149	Capturing new developments in an emerging technology: an updated search strategy for identifying nanotechnology research outputs. *Scientometrics*, **2013**, 95, 351-370	3	114
148	Forecasting Innovation Pathways (FIP) for new and emerging science and technologies. *Technological Forecasting and Social Change*, **2013**, 80, 267-285	9.5	105

147	Applications of Nanotechnology to the Brain and Central Nervous System **2013**, 21-41		2
146	Facilitating social and natural science cross-disciplinarity: Assessing the human and social dynamics program. *Research Evaluation*, **2013**,	1.7	6
145	A forward diversity index. *Scientometrics*, **2012**, 90, 407-427	3	44
144	Assessing research network and disciplinary engagement changes induced by an NSF program. *Research Evaluation*, **2012**, 21, 89-104	1.7	16
143	Visualising potential innovation pathways in a workshop setting: the case of nano-enabled biosensors. *Technology Analysis and Strategic Management*, **2012**, 24, 527-542	3.2	13
142	Text mining of information resources to inform Forecasting Innovation Pathways. *Technology Analysis and Strategic Management*, **2012**, 24, 843-861	3.2	35
141	Nanobiomedical science in China: a research field on the rise. *Technology Analysis and Strategic Management*, **2012**, 24, 69-88	3.2	
140	Text Clumping for Technical Intelligence **2012**,		6
139	Empirically informing a technology delivery system model for an emerging technology: illustrated for dye-sensitized solar cells. *R and D Management*, **2012**, 42, 133-149	4.1	21
138	Research Coordination Networks: Evidence of the Relationship between Funded Interdisciplinary Networking and Scholarly Impact. *BioScience*, **2012**, 62, 282-288	5.7	41
137	International collaborative patterns in China's nanotechnology publications. *International Journal of Technology Management*, **2012**, 59, 255	1.2	11
136	Innovation Risk Path Assessing for a Newly Emerging Science and Technology **2012**, 12-26		1
135	Assessment of Brazil's research literature. *Technology Analysis and Strategic Management*, **2011**, 23, 601-621	3.2	9
134	Characterising a technology development at the stage of early emerging applications: nanomaterial-enhanced biosensors. *Technology Analysis and Strategic Management*, **2011**, 23, 527-544	3.2	24
133	Mining external R&D. *Technovation*, **2011**, 31, 171-176	7.9	37
132	Measuring the influence of nanotechnology environmental, health and safety research. *Research Evaluation*, **2011**, 20, 389-395	1.7	3
131	The use of environmental, health and safety research in nanotechnology research. *Journal of Nanoscience and Nanotechnology*, **2011**, 11, 158-66	1.3	18
130	Profiling leading scientists in nanobiomedical science: interdisciplinarity and potential leading indicators of research directions. *R and D Management*, **2011**, 41, 288-306	4.1	13

129	Tech mining: Text mining and visualization tools, as applied to nanoenhanced solar cells. *Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery*, **2011**, 1, 172-181	6.9	10
128	**2011**,		45
127	The research profiling method applied to nano-enhanced, thin-film solar cells. *R and D Management* , **2010**, 40, 195-208	4.1	35
126	Technology foresight: types and methods. *International Journal of Foresight and Innovation Policy*, **2010**, 6, 36	0.7	34
125	Practical research proposal and publication profiling. *Research Evaluation*, **2010**, 19, 29-44	1.7	13
124	High-tech indicators: assessing the competitiveness of selected European countries. *Technology Analysis and Strategic Management*, **2010**, 22, 277-296	3.2	6
123	Emerging technologies: quantitative identification and measurement. *Technology Analysis and Strategic Management*, **2010**, 22, 361-376	3.2	113
122	Is there a shift to "active nanostructures"?. *Journal of Nanoparticle Research*, **2010**, 12, 1-10	2.3	51
121	The emergence of social science research on nanotechnology. *Scientometrics*, **2010**, 85, 595-611	3	36
120	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
119	A systematic technology forecasting approach for New and Emerging Science and Technology: Case study of nano-enhanced biosensors **2009**,		1
118	How interdisciplinary is nanotechnology?. *Journal of Nanoparticle Research*, **2009**, 11, 1023-1041	2.3	148
117	Is science becoming more interdisciplinary? Measuring and mapping six research fields over time. *Scientometrics*, **2009**, 81, 719-745	3	432
116	Where does nanotechnology belong in the map of science?. *Nature Nanotechnology*, **2009**, 4, 534-6	28.7	60
115	International high tech competitiveness: does China rank number 1?. *Technology Analysis and Strategic Management*, **2009**, 21, 173-193	3.2	19
114	Future-Oriented Technology Analysis (FTA): Impact on policy and decision-making The 2006 FTA International Seville Seminar. *Technological Forecasting and Social Change*, **2008**, 75, 457-461	9.5	6
113	How interdisciplinary is a given body of research?. *Research Evaluation*, **2008**, 17, 273-282	1.7	85
112	Refining search terms for nanotechnology. *Journal of Nanoparticle Research*, **2008**, 10, 715-728	2.3	252

111	Nanotechnology publications and citations by leading countries and blocs. *Journal of Nanoparticle Research*, **2008**, 10, 981-986	2.3	89
110	Nanopatenting patterns in relation to product life cycle. *Technological Forecasting and Social Change*, **2007**, 74, 1661-1680	9.5	51
109	Measuring researcher interdisciplinarity. *Scientometrics*, **2007**, 72, 117-147	3	229
108	MINING CONFERENCE PROCEEDINGS FOR CORPORATE TECHNOLOGY KNOWLEDGE MANAGEMENT. *International Journal of Innovation and Technology Management*, **2007**, 04, 103-119	1.1	4
107	Translation of innovative designs into phase I trials. *Journal of Clinical Oncology*, **2007**, 25, 4982-6	2.2	158
106	How Tech Mining Can Enhance R&D Management. *Research Technology Management*, **2007**, 50, 15-20	1.6	14
105	Tech Mining to Accelerate Radical Innovation **2007**,		1
104	Special issue on tech mining. *Technological Forecasting and Social Change*, **2006**, 73, 915-922	9.5	20
103	A Systems Model of Innovation Processes in University STEM Education. *Journal of Engineering Education*, **2006**, 95, 13-24	2.3	21
102	Interdisciplinary research: meaning, metrics and nurture. *Research Evaluation*, **2006**, 15, 187-196	1.7	146
101	Impact assessment methodology is too insular. *Impact Assessment and Project Appraisal*, **2006**, 24, 86-88	1.7	1
100	A societal outcomes map for health research and policy. *American Journal of Public Health*, **2006**, 96, 441-6	5.1	11
99	Just-in-time technology analysis support. *International Journal of Technology Management*, **2006**, 34, 319	1.2	1
98	Differences over a decade: high tech capabilities and competitive performance of 28 nations. *Research Evaluation*, **2005**, 14, 121-128	1.7	10
97	Mining conference proceedings for corporate technology knowledge management **2005**,		1
96	Patent Analyses **2005**, 215-248		9
95	QTIP: Quick technology intelligence processes. *Technological Forecasting and Social Change*, **2005**, 72, 1070-1081	9.5	53
94	A state-of-the-art of content analysis. Sponsored by SIG IAE, SIG ALP. *Proceedings of the American Society for Information Science and Technology*, **2005**, 39, 463-463		

93	Technology futures analysis: Toward integration of the field and new methods. *Technological Forecasting and Social Change*, **2004**, 71, 287-303	9.5	217
92	The Education of a Technology Policy Analyst to Process Management. *Technology Analysis and Strategic Management*, **2004**, 16, 261-274	3.2	13
91	Managers at Work: Get What You Need From Technology Information Products. *Research Technology Management*, **2004**, 47, 16-19	1.6	4
90	**2004**,		95
89	Patent Profiling for Competitive Advantage **2004**, 587-612		11
88	Projects and publications: interesting patterns in US Environmental Protection Agency research. *Research Evaluation*, **2003**, 12, 171-182	1.7	2
87	Iraqi engineering: Where has all the research gone?. *Science and Public Policy*, **2003**, 30, 97-105	1.8	3
86	R&D cluster quality measures and technology maturity. *Technological Forecasting and Social Change*, **2003**, 70, 735-758	9.5	32
85	Automated extraction and visualization of information for technological intelligence and forecasting. *Technological Forecasting and Social Change*, **2002**, 69, 495-506	9.5	135
84	Research profiling: Improving the literature review. *Scientometrics*, **2002**, 53, 351-370	3	108
83	A comparison of recent assessments of the high-tech competitiveness of nations. *International Journal of Technology Management*, **2002**, 23, 536	1.2	11
82	Measuring national emerging technology capabilities. *Science and Public Policy*, **2002**, 29, 189-200	1.8	56
81	On the Future of Technological Forecasting. *Technological Forecasting and Social Change*, **2001**, 67, 1-17	9.5	123
80	Changes in National Technological Competitiveness: 1990, 1993, 1996 and 1999. *Technology Analysis and Strategic Management*, **2001**, 13, 477-496	3.2	2
79	Changes in National Technological Competitiveness: 1990, 1993, 1996 and 1999. *Technology Analysis and Strategic Management*, **2001**, 13, 477-496	3.2	13
78	Making Technology Foresight (and Systems Studies?) Useful **2001**, 173-179		
77	A process for mining science & technology documents databases, illustrated for the case of "knowledge discovery and data mining". *Ciencia Da Informacao*, **1999**, 28, 07-14		13
76	Tech forecasting an empirical perspective. *Technological Forecasting and Social Change*, **1999**, 62, 19-28	9.5	17

75	Depth perception. *Technological Forecasting and Social Change*, **1999**, 62, 143-145	9.5	2
74	Integrating environmental consequences and impact assessment into design processes and corporate strategy. *Impact Assessment and Project Appraisal*, **1999**, 17, 141-145	1.7	2
73	Innovation forecasting using bibliometrics. *Competitive Intelligence Review*, **1998**, 9, 11-19		20
72	Innovation forecasting **1997**,		6
71	Innovation forecasting. *Technological Forecasting and Social Change*, **1997**, 56, 25-47	9.5	198
70	TOAS intelligence mining; analysis of natural language processing and computational linguistics. *Lecture Notes in Computer Science*, **1997**, 323-334	0.9	3
69	Anticipating the future high-tech competitiveness of nations: Indicators for twenty-eight countries. *Technological Forecasting and Social Change*, **1996**, 51, 133-149	9.5	26
68	Electronics manufacturing in 2020: A national technological university management of technology mini-Delphi. *Technological Forecasting and Social Change*, **1996**, 51, 185-194	9.5	7
67	The information revolution: an introduction. *Technology Analysis and Strategic Management*, **1996**, 8, 219-222	3.2	
66	Less labor, longer lives: time to share. *Technology Analysis and Strategic Management*, **1996**, 8, 315-330	3.2	
65	Forecasting technological innovation. *International Journal of Forecasting*, **1995**, 11, 493-494	5.3	
64	Technology opportunities analysis. *Technological Forecasting and Social Change*, **1995**, 49, 237-255	9.5	167
63	Virtual companies reconsidered. *Technology Analysis and Strategic Management*, **1993**, 5, 413-420	3.2	12
62	The opening of the nano-age. *Science and Public Policy*, **1993**, 20, 361-362	1.8	
61	National capacities to absorb and institutionalize external science and technology. *Technology Analysis and Strategic Management*, **1992**, 4, 99-114	3.2	13
60	URBAN ECONOMIC DEVELOPMENT ON THE GRAND SCALE: IMPACT ASSESSMENT ISSUES FOR SHANGHAI'S PUDONG NEW AREA. *Impact Assessment Bulletin*, **1992**, 10, 79-88		
59	A COMPARATIVE STUDY OF IMPACT ASSESSMENT METHODS IN DEVELOPED AND DEVELOPING COUNTRIES. *Impact Assessment Bulletin*, **1992**, 10, 57-65		10
58	MARKOV FORMULATION OF CROSS-IMPACT ANALYSIS FOR IMPACT ASSESSMENT AND FORECASTING. *Impact Assessment Bulletin*, **1991**, 9, 55-74		

57	Expert systems: Present and future. *Expert Systems With Applications*, **1991**, 3, 383-396	7.8	2
56	Discretionary databases in forecasting. *Journal of Forecasting*, **1990**, 9, 1-12	2.1	5
55	Cross-impact analysis. *Project Appraisal*, **1990**, 5, 186-188		11
54	Preconditions for Interdisciplinary Research **1990**, 11-19		5
53	An impact assessment perspective in research planning: the case of a research institute in China. *Technology Analysis and Strategic Management*, **1989**, 1, 71-78	3.2	
52	IAIA: THE FIRST DECADE. *Impact Assessment Bulletin*, **1989**, 7, 5-15		1
51	. *IEEE Transactions on Engineering Management*, **1988**, 35, 258-264	2.6	3
50	Citations and scientific progress: Comparing bibliometric measures with scientist judgments. *Scientometrics*, **1988**, 13, 103-124	3	17
49	Trends in Computer Use in Industrial R&D. *Research Technology Management*, **1988**, 31, 36-41	1.6	2
48	A TWO-FACTOR MODEL OF THE EFFECTS OF OFFICE AUTOMATION ON EMPLOYMENT. *Office Technology and People*, **1987**, 3, 57-76		3
47	INTERNATIONAL IMPACTS OF TECHNOLOGY. *Impact Assessment Bulletin*, **1987**, 5, 21-24		1
46	INNOVATION AND IMPACT: THE INTRODUCTION OF MICROCOMPUTERS INTO BUSINESS IN CHINA. *Impact Assessment Bulletin*, **1987**, 5, 57-69		3
45	Reducing earthquake risk: alternative policy processes. *Project Appraisal*, **1987**, 2, 210-220		1
44	R and D Project Selection and Evaluation: A Microcomputer-Based Approach. *R and D Management*, **1987**, 17, 277-288	4.1	5
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