Tugrul U Daim

List of Publications by Year
in descending order

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135 papers	4,319 citations	201575 27 h-index	118793 62 g-index
141 all docs	141 docs citations	141 times ranked	3684 citing authors

#	Article	IF	Citations
1	Forecasting emerging technologies: Use of bibliometrics and patent analysis. Technological Forecasting and Social Change, 2006, 73, 981-1012.	6.2	813
2	A review of scenario planning. Futures, 2013, 46, 23-40.	1.4	608
3	Selection of renewable energy technologies for a developing county: A case of Pakistan. Energy for Sustainable Development, 2011, 15, 420-435.	2.0	300
4	Measuring the efficiency of university technology transfer. Technovation, 2007, 27, 306-318.	4.2	248
5	Exploring the communication breakdown in global virtual teams. International Journal of Project Management, 2012, 30, 199-212.	2.7	198
6	Application of technology roadmaps for renewable energy sector. Technological Forecasting and Social Change, 2010, 77, 1355-1370.	6.2	139
7	Implementing technology roadmap process in the energy services sector: A case study of a government agency. Technological Forecasting and Social Change, 2008, 75, 687-720.	6.2	136
8	Evaluation of energy storage technologies for integration with renewable electricity: Quantifying expert opinions. Environmental Innovation and Societal Transitions, 2012, 3, 29-49.	2.5	121
9	Value Driven Technology Road Mapping (VTRM) process integrating decision making and marketing tools: Case of Internet security technologies. Technological Forecasting and Social Change, 2009, 76, 1055-1077.	6.2	79
10	A decision model for energy resource selection in China. Energy Policy, 2010, 38, 7130-7141.	4.2	74
11	Evaluation of Electrical Energy Storage (EES) technologies for renewable energy: A case from the US Pacific Northwest. Journal of Energy Storage, 2017, 11, 25-54.	3.9	68
12	Developing Oregonâ€™s renewable energy portfolio using fuzzy goal programming model. Computers and Industrial Engineering, 2010, 59, 786-793.	3.4	58
13	Technology Roadmapping for wind energy: case of the Pacific Northwest. Journal of Cleaner Production, 2012, 20, 27-37.	4.6	56
14	Technology roadmap through fuzzy cognitive map-based scenarios: the case of wind energy sector of a developing country. Technology Analysis and Strategic Management, 2016, 28, 131-155.	2.0	55
15	Technology roadmap development process (TRDP) for the service sector: A conceptual framework. Technology in Society, 2012, 34, 94-105.	4.8	54
16	Strategic roadmapping of robotics technologies for the power industry: A multicriteria technology assessment. Technological Forecasting and Social Change, 2018, 131, 49-66.	6.2	54
17	Technology forecasting for wireless communication. Technovation, 2008, 28, 602-614.	4.2	53
18	A strategy to assist management in workforce engagement and employee retention in the high tech engineering environment. Evaluation and Program Planning, 2010, 33, 468-476.	0.9	47

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19	Research Forecasting for Health Information Technology (HIT), using technology intelligence. Technological Forecasting and Social Change, 2012, 79, 498-508.	6.2	47
20	What will it take to adopt smart glasses: A consumer choice based review?. Technology in Society, 2017, 50, 50-56.	4.8	47
21	Evaluating university industry collaborative research centers. Technological Forecasting and Social Change, 2019, 146, 181-202.	6.2	45
22	Determining Patient Preferences for Remote Monitoring. Journal of Medical Systems, 2012, 36, 1389-1401.	2.2	39
23	How Do Engineering Managers Evaluate Technologies for Acquisition? A Review of the Electronics Industry. EMJ - Engineering Management Journal, 2008, 20, 44-52.	1.4	37
24	A framework for technology assessment: Case of a Thai building material manufacturer. Energy for Sustainable Development, 2009, 13, 280-286.	2.0	35
25	Residential energy efficient device adoption in South Africa. Sustainable Energy Technologies and Assessments, 2013, 1, 13-27.	1.7	34
26	Towards building a multi perspective policy development framework for transition into renewable energy. Sustainable Energy Technologies and Assessments, 2017, 21, 67-88.	1.7	32
27	Technology Roadmap: Drone Delivery â€“ Amazon Prime Air. Innovation, Technology and Knowledge Management, 2018, , 387-412.	0.4	32
28	Exploring technology acquisition in Oregon, Turkey and in the U.S. electronics manufacturing companies. Journal of High Technology Management Research, 2008, 19, 45-58.	2.7	27
29	Energy technology adoption: Case of solar photovoltaic in the Pacific Northwest USA. Sustainable Energy Technologies and Assessments, 2019, 34, 187-199.	1.7	27
30	Identification of energy policy priorities from existing energy portfolios using hierarchical decision model and goal programming. International Journal of Energy Sector Management, 2010, 4, 24-43.	1.2	26
31	Exploring relationships among internationalization, choice for research and development approach and technology source and resulting innovation intensity: Case of a transition country Croatia. Journal of High Technology Management Research, 2012, 23, 15-25.	2.7	26
32	Exploring the Adoption of Technology Driven Services in the Healthcare Industry. International Journal of Information Systems in the Service Sector, 2010, 2, 71-93.	0.2	26
33	Forecasting energy storage technologies. Foresight, 2009, 11, 74-85.	1.2	25
34	Site selection for a data centre â€“ a multi-criteria decision-making model. International Journal of Sustainable Engineering, 2013, 6, 10-22.	1.9	25
35	Adoption of health information technologies: the case of a wireless monitor for diabetes and obesity patients. Technology Analysis and Strategic Management, 2013, 25, 923-938.	2.0	24
36	Forecasting the future of data storage: case of hard disk drive and flash memory. Foresight, 2008, 10, 34-49.	1.2	21

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37	HDM Modeling as a Tool to Assist Management With Employee Motivation: The Case of Silicon Forest. EMJ - Engineering Management Journal, 2010, 22, 23-33.	1.4	21
38	Wood Pellet Technology Roadmap. IEEE Transactions on Sustainable Energy, 2012, 3, 218-230.	5.9	20
39	Developing metrics for emerging technologies: identification and assessment. Technological Forecasting and Social Change, 2022, 176, 121456.	6.2	18
40	An assessment model for energy efficiency program planning in electric utilities: Case of Northwest U.S.. Sustainable Energy Technologies and Assessments, 2016, 15, 42-59.	1.7	17
41	A regional technology roadmap to enable the adoption of CO2 heat pump water heater: A case from the Pacific Northwest, USA. Energy Strategy Reviews, 2017, 18, 157-174.	3.3	17
42	Review of technology acquisition and adoption research in the energy sector. Technology in Society, 2011, 33, 183-183.	4.8	16
43	Optimizing the NW off-shore wind turbine design. Mathematical and Computer Modelling, 2012, 55, 396-404.	2.0	16
44	Smart thermostats: are we ready?. International Journal of Energy Sector Management, 2010, 4, 146-151.	1.2	15
45	Multiâ€perspective analysis of the Chinese pharmaceutical sector. Journal of Technology Management in China, 2011, 6, 171-190.	0.2	15
46	Exploring information technology adoption in the classroom: case of online learning technology. International Journal of Business Information Systems, 2011, 7, 327.	0.2	15
47	Storage technologies for wind power in the Columbia River Gorge. International Journal of Sustainable Energy, 2014, 33, 1-15.	1.3	15
48	Evaluation of the Cryptocurrency Adoption Decision Using Hierarchical Decision Modeling (HDM). , 2019, , .		15
49	Evaluating alternative fuels in USA: a proposed forecasting framework using AHP and scenarios. International Journal of Automotive Technology and Management, 2007, 7, 289.	0.4	14
50	Exploring the role of technology evaluation in the competitiveness of US electronics manufacturing companies. International Journal of Technology Management, 2009, 48, 77.	0.2	14
51	Platform strategy framework for internet-based service development: case of eBay. International Journal of Services, Technology and Management, 2009, 11, 334.	0.1	13
52	A decision methodology for customising software products. International Journal of Industrial and Systems Engineering, 2009, 4, 554.	0.1	13
53	Roadmapping future powertrain technologies: a case study of Ford Otosan. International Journal of Technology, Policy and Management, 2010, 10, 157.	0.1	13
54	Participation in technology standards development: A decision model for the information and communications technology (ICT) industry. Journal of High Technology Management Research, 2017, 28, 47-60.	2.7	13

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55	Exploring the impact of information technology on health information-seeking behaviour. International Journal of Business Information Systems, 2010, 5, 291.	0.2	12
56	Research and development (R&D) portfolio management in the electric utility sector. Benchmarking, 2013, 20, 186-211.	2.9	12
57	Exploring technology acceptance for online food services. International Journal of Business Information Systems, 2013, 12, 383.	0.2	12
58	Exploring technology adoption in the case of the Patient-Centered Medical Home. Health Policy and Technology, 2016, 5, 166-188.	1.3	12
59	Models for Energy Efficiency Obligation Systems through different perspectives. Technology in Society, 2021, 64, 101436.	4.8	11
60	Exploring Barriers to Innovation Diffusion in Health Care Service Organizations: An Issue for Effective Integration of Service Architecture and Information Technologies. , 2008, , .		10
61	Managing offshore outsourcing in the software industry. Technology Analysis and Strategic Management, 2009, 21, 881-897.	2.0	10
62	A measurement system for science and engineering research center performance evaluation. , 2016, , .		10
63	Project Assessment Tools Evaluation and Selection Using the Hierarchical Decision Modeling: Case of State Departments of Transportation in the United States. Journal of Management in Engineering - ASCE, 2021, 37, .	2.6	10
64	Impact of US Economic Crises on University Research and Development Investments. Journal of the Knowledge Economy, 2015, 6, 13-27.	2.7	9
65	A FRAMEWORK FOR MANAGING THE FORECASTING PROCESS. International Journal of Innovation Management, 2008, 12, 597-627.	0.7	8
66	A multipleâ€perspective model for technology assessment. Journal of Technology Management in China, 2008, 3, 264-278.	0.2	8
67	Perspective: technology management in the service sector. International Journal of Services, Technology and Management, 2010, 13, 3.	0.1	8
68	Technology forecasting for residential energy management devices. Foresight, 2011, 13, 70-87.	1.2	8
69	Choosing a hybrid car using a hierarchical decision model. International Journal of Sustainable Society, 2011, 3, 243.	0.0	8
70	Technology roadmap development process (TRDP) in the medical electronic device industry. International Journal of Business Innovation and Research, 2013, 7, 228.	0.1	8
71	Exploring the impact of communication on innovation. International Journal of Business Information Systems, 2013, 13, 70.	0.2	8
72	A new approach to measuring time-lags in technology licensing: study of U.S. academic research institutions. Journal of Technology Transfer, 2014, 39, 748-773.	2.5	8

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73	Technology assessment: case of the wearable computing for fitness. International Journal of Medical Engineering and Informatics, 2015, 7, 321.	0.2	8
74	Users and information technology: analysis of task information fit model. International Journal of Information and Decision Sciences, 2010, 2, 401.	0.1	6
75	Information technology acquisition in the service sector. International Journal of Services Sciences, 2010, 3, 21.	0.0	6
76	Emerging technology assessment. Journal of Technology Management in China, 2008, 3, 194-210.	0.2	5
77	A hierarchical decision model for optimum design alternative selection. International Journal of Decision Sciences, Risk and Management, 2009, 1, 2.	0.1	5
78	Service Innovation Adoption: the Case of Value-Added Mobile Services. Journal of the Knowledge Economy, 2014, 5, 784-802.	2.7	5
79	A study on the relationship between task, information, and individual performance. Technology in Society, 2016, 46, 1-9.	4.8	5
80	Investigating the effects of foreign direct investment (FDI) on Croatian business. Journal of High Technology Management Research, 2017, 28, 208-220.	2.7	5
81	University technology transfer: A conceptual model of impacting factors and phased process. , 2009, , .		4
82	AHP application on evaluation of health information service attributes. , 2009, , .		4
83	A roadmap of industrial cluster development: a case study of Thailand's HDD cluster. International Journal of Foresight and Innovation Policy, 2009, 5, 244.	0.2	4
84	Research and development progress assessment through technological and scientific intelligence. International Journal of Technology Intelligence and Planning, 2009, 5, 341.	0.6	4
85	Evaluating technologies for education: case of ePortfolio. Technology Innovation and Education, 2016, 2, .	0.9	4
86	Industry 4.0 Value Roadmap. SpringerBriefs in Entrepreneurship and Innovation, 2019, , .	0.4	4
87	An Acceptance Model for the Adoption of Smart Glasses Technology by Healthcare Professionals. Palgrave Studies of Internationalization in Emerging Markets, 2020, , 163-194.	0.2	4
88	ARE FORMAL TECHNOLOGY INTEGRATION PROCESSES NEEDED FOR SUCCESSFUL PRODUCT INNOVATIONS?. International Journal of Innovation Management, 2013, 17, 1350016.	0.7	3
89	Assessment of Wind Potential in Kalar Kahar Region by Comparing On-Site Data with NREL Wind Resource Map of Pakistan. Innovation, Technology and Knowledge Management, 2015, , 55-81.	0.4	3
90	TECHNOLOGY ROADMAPPING. , 2018, , i-783.		3

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91	Structuring financial incentives for residential solar electric systems. Renewable Energy, 2018, 115, 28-40.	4.3	3
92	Optimization of battery and wind technologies: Case of power deviation penalties. Technology in Society, 2020, 63, 101322.	4.8	3
93	Understanding Factors Affecting Mobile Services Adoption. International Journal of Information Systems in the Service Sector, 2014, 6, 51-69.	0.2	3
94	Generating intelligence on the research and development progress of emerging technologies using patent and publication information. , 2008, , .		2
95	An analysis model for Health Information Technology adoption. , 2011, , .		2
96	Technology roadmapping for mature industries: 2010 2050 global cement product roadmap. International Journal of Technology, Policy and Management, 2011, 11, 173.	0.1	2
97	A grounded model of technology adoption capabilities: care coordination and health IT. International Journal of Behavioural and Healthcare Research, 2011, 2, 333.	0.0	2
98	Decision model for selection of technologies to reduce IT operations energy cost in a medium-sized firm. International Journal of Sustainable Engineering, 2013, 6, 151-170.	1.9	2
99	Conceptualising WiMAX user acceptance. International Journal of Business Information Systems, 2013, 13, 116.	0.2	2
100	Technology Planning for Aligning Emerging Business Models and Regulatory Structures â€" The Case of Electric Vehicle Charging and the Smart Grid. , 2018, , .		2
101	Exploring Technology and Engineering Management Research Landscape. , 2019, , .		2
102	Strategic Technology Planning in Product-Service Systems with Embedded Customer Experience Requirements. , 2019, , .		2
103	Technology Adoption. Advances in Wireless Technologies and Telecommunication Book Series, 2021, , 96-119.	0.3	2
104	A Scoring Model to Evaluate Offshore Oil Projects. EMJ - Engineering Management Journal, 2022, 34, 436-449.	1.4	2
105	Comparing personal and organisational preferences in the acquisition of information technologies: case of personal computing. International Journal of Decision Sciences, Risk and Management, 2009, 1, 142.	0.1	1
106	Semiconductor manufacturing: decision analysis for fab site selection. International Journal of Decision Sciences, Risk and Management, 2010, 2, 199.	0.1	1
107	Knowledge management in businesses using service-oriented architecture – a practical implementation of Topic Maps using a case study of Amazon. International Journal of Services, Economics and Management, 2010, 2, 59.	0.2	1
108	An analysis on enhancing service delivery in the United States Coast Guard. International Journal of Services and Operations Management, 2011, 8, 142.	0.1	1

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109	The Application of Social Network Analysis: Case of Smart Roofing. Innovation, Technology and Knowledge Management, 2016, , 273-302.	0.4	1
110	Technology Assessment: Developing Geothermal Energy Resources for Supporting Electrical System in Oregon. Innovation, Technology and Knowledge Management, 2018, , 67-175.	0.4	1
111	A Technology Roadmap for a Standardized Platform for Autonomous Vehicle Systems. Applied Innovation and Technology Management, 2021, , 291-333.	0.3	1
112	Technology Roadmapping Maturity Assessment: A Case Study in Energy Sector. Applied Innovation and Technology Management, 2021, , 3-106.	0.3	1
113	Evaluating Health Information Services. , 2011, , 1-13.		1
114	Exploring the Relationship between Research Funding and Science Innovation Indicators in Emerging Technologies. , 2007, , .		0
115	Development of a hierarchical technology diffusion assessment framework through multiple perspectives: case of rural electrification in USA and China. Journal of Evidence-Based Medicine, 2010, 1, 179.	0.7	0
116	Exploring technology licensing in the South African manufacturing industry. International Journal of Technology Transfer and Commercialisation, 2011, 10, 152.	0.2	0
117	Mass transportation: a Portland area case study. International Journal of Innovation and Sustainable Development, 2012, 6, 305.	0.3	0
118	Assessment of Energy Efficiency Technologies: Case of Heat Pump Water Heaters. Green Energy and Technology, 2013, , 183-202.	0.4	0
119	Technology planning for emerging business model and regulatory integration: The case of electric vehicle smart charging. , 2016, , .		0
120	Adoption Factors of Electronic Health Record Systems. Innovation, Technology and Knowledge Management, 2016, , 189-249.	0.4	0
121	Technology Assessment: Study of User Preferences for Weight Loss Mobile Applications Both Globally and in the United States. Innovation, Technology and Knowledge Management, 2018, , 297-324.	0.4	0
122	Evaluation of smart activity tracking wristbands' adoption criteria for university students. International Journal of Transitions and Innovation Systems, 2020, 6, 219.	0.3	0
123	Investigating the Sensing Activities in Strategic Planning with Multi-Dimensional Aspects: Timo. International Journal of Innovation and Technology Management, 2020, 17, 2050034.	0.8	0
124	Technology Policy Roadmap: Big Data Privacy. Applied Innovation and Technology Management, 2021, , 107-124.	0.3	0
125	Technology Roadmap: Hyperloop One. Applied Innovation and Technology Management, 2021, , 225-243.	0.3	0
126	Technology Intelligence Map: Lithium Metal Battery. Applied Innovation and Technology Management, 2021, , 439-447.	0.3	0

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127	A Strategy Roadmap for Post-quantum Cryptography. Applied Innovation and Technology Management, 2021, , 171-207.	0.3	0
128	Technology Roadmapping for Medical Imaging: Toward Improved Value. Innovation, Technology and Knowledge Management, 2014, , 101-134.	0.4	0
129	Risk Management in Research and Development: A Case Study from the Semiconductor Industry. Innovation, Technology and Knowledge Management, 2014, , 163-172.	0.4	0
130	Technology Assessment: Energy Storage Technologies for Wind Power Generation. Innovation, Technology and Knowledge Management, 2014, , 91-113.	0.4	0
131	Renewable Energy Technology Adoption in the Pacific Northwest: A Technology Policy Review. Innovation, Technology and Knowledge Management, 2015, , 17-30.	0.4	0
132	Technology Assessment: Evaluating Personal Transportation Technologies. Innovation, Technology and Knowledge Management, 2016, , 61-93.	0.4	0
133	Forecasting Super-Efficient Dryers Adoption in the Pacific Northwest. Studies in Systems, Decision and Control, 2018, , 41-64.	0.8	0
134	Technology Assessment: Nosocomial Infection Solutions. Innovation, Technology and Knowledge Management, 2018, , 271-295.	0.4	0
135	Kaiser Permanente Internet of Things (IoT) Roadmap. Palgrave Studies in Democracy, Innovation, and Entrepreneurship for Growth, 2021, , 307-329.	0.3	0