changyong Lee

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3179121/publications.pdf

Version: 2024-02-01

54	1,713	279798	289244
papers	citations	23 h-index	40 g-index

55	55	55	1049
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effective Indexes and Classification Algorithms for Supervised Link Prediction Approach to Anticipating Technology Convergence: A Comparative Study. IEEE Transactions on Engineering Management, 2023, 70, 1430-1441.	3.5	4
2	Screening ideas in the early stages of technology development: A word2vec and convolutional neural network approach. Technovation, 2022, 112, 102407.	7.8	11
3	A doc2vec and local outlier factor approach to measuring the novelty of patents. Technological Forecasting and Social Change, 2022, 174, 121294.	11.6	15
4	The impact of the timing of patent allowance on technology licensing performance: evidence from university invention commercialization. R and D Management, 2022, 52, 633-649.	5.3	3
5	State-of-health estimation of Li-ion batteries in the early phases of qualification tests: An interpretable machine learning approach. Expert Systems With Applications, 2022, 197, 116817.	7.6	17
6	Valuation of University-Originated Technologies: A Predictive Analytics Approach. IEEE Transactions on Engineering Management, 2021, 68, 1813-1825.	3.5	10
7	Capacity-Fading Behavior Analysis for Early Detection of Unhealthy Li-Ion Batteries. IEEE Transactions on Industrial Electronics, 2021, 68, 2659-2666.	7.9	19
8	A convolutional neural network model for abnormality diagnosis in a nuclear power plant. Applied Soft Computing Journal, 2021, 99, 106874.	7.2	43
9	Anticipating multi-technology convergence: a machine learning approach using patent information. Scientometrics, 2021, 126, 1867-1896.	3.0	20
10	A review of data analytics in technological forecasting. Technological Forecasting and Social Change, 2021, 166, 120646.	11.6	24
11	An information entropy and latent Dirichlet allocation approach to noise patent filtering. Advanced Engineering Informatics, 2021, 47, 101243.	8.0	12
12	Anticipating technology-driven industry convergence: evidence from large-scale patent analysis. Technology Analysis and Strategic Management, 2020, 32, 363-378.	3.5	28
13	Open innovation at the national level: Towards a global innovation system. Technological Forecasting and Social Change, 2020, 151, 119842.	11.6	27
14	A sequential pattern mining approach to identifying potential areas for business diversification. Asian Journal of Technology Innovation, 2020, 28, 21-41.	2.8	7
15	Navigating a product landscape for technology opportunity analysis: A word2vec approach using an integrated patent-product database. Technovation, 2020, 96-97, 102140.	7.8	28
16	Abnormality diagnosis model for nuclear power plants using two-stage gated recurrent units. Nuclear Engineering and Technology, 2020, 52, 2009-2016.	2.3	24
17	Anticipating technological convergence: Link prediction using Wikipedia hyperlinks. Technovation, 2019, 79, 25-34.	7.8	58
18	Technology opportunity analysis based on recombinant search: patent landscape analysis for idea generation. Scientometrics, 2019, 121, 603-632.	3.0	33

#	ARTICLE	IF	CITATIONS
19	Screening early stage ideas in technology development processes: a text mining and k-nearest neighbours approach using patent information. Technology Analysis and Strategic Management, 2019, 31, 532-545.	3.5	13
20	PHM-based wiring system damage estimation for near zero downtime in manufacturing facilities. Reliability Engineering and System Safety, 2019, 184, 213-218.	8.9	9
21	A similarity based prognostics approach for real time health management of electronics using impedance analysis and SVM regression. Microelectronics Reliability, 2018, 83, 77-83.	1.7	17
22	Early identification of emerging technologies: A machine learning approach using multiple patent indicators. Technological Forecasting and Social Change, 2018, 127, 291-303.	11.6	131
23	Patterns of technology life cycles: stochastic analysis based on patent citations. Technology Analysis and Strategic Management, 2017, 29, 53-67.	3.5	20
24	Concentric diversification based on technological capabilities: Link analysis of products and technologies. Technological Forecasting and Social Change, 2017, 118, 246-257.	11.6	30
25	Stochastic service life cycle analysis using customer reviews. Service Industries Journal, 2017, 37, 296-316.	8.3	3
26	Novelty-focused weak signal detection in futuristic data: Assessing the rarity and paradigm unrelatedness of signals. Technological Forecasting and Social Change, 2017, 120, 59-76.	11.6	30
27	Hawkes process-based technology impact analysis. Journal of Informetrics, 2017, 11, 511-529.	2.9	21
28	Development of a service evolution map for service design through application of text mining to service documents. Research in Engineering Design - Theory, Applications, and Concurrent Engineering, 2017, 28, 251-273.	2.1	8
29	The transformation of ownership structure and changes in principal-principal conflicts: evidence from corporate governance reforms in South Korea. International Journal of Corporate Governance, 2017, 8, 281.	0.2	1
30	Towards robust technology roadmapping: How to diagnose the vulnerability of organisational plans. Technological Forecasting and Social Change, 2016, 111, 164-175.	11.6	9
31	Stochastic technology life cycle analysis using multiple patent indicators. Technological Forecasting and Social Change, 2016, 106, 53-64.	11.6	59
32	Diagnosing service quality using customer reviews: an index approach based on sentiment and gap analyses. Service Business, 2016, 10, 775-798.	4.2	21
33	GTM-based service map to identify new service opportunities. International Journal of Mobile Communications, 2015, 13, 113.	0.3	1
34	Novelty-focussed document mapping to identify new service opportunities. Service Industries Journal, 2015, 35, 345-361.	8.3	11
35	An instrument for scenario-based technology roadmapping: How to assess the impacts of future changes on organisational plans. Technological Forecasting and Social Change, 2015, 90, 285-301.	11.6	34
36	Novelty-focused patent mapping for technology opportunity analysis. Technological Forecasting and Social Change, 2015, 90, 355-365.	11.6	128

#	ARTICLE	IF	CITATIONS
37	How to assess patent infringement risks: a semantic patent claim analysis using dependency relationships. Technology Analysis and Strategic Management, 2013, 25, 23-38.	3.5	55
38	Keeping abreast of technology-driven business model evolution: a dynamic patent analysis approach. Technology Analysis and Strategic Management, 2013, 25, 487-505.	3.5	32
39	Assessing the risks of service failures based on ripple effects: A Bayesian network approach. International Journal of Production Economics, 2013, 141, 493-504.	8.9	31
40	An energy security management model using quality function deployment and system dynamics. Energy Policy, 2013, 54, 72-86.	8.8	38
41	Robust futureâ€oriented technology portfolios: <scp>B</scp>lackâ€“<scp>L</scp>itterman approach. R and D Management, 2013, 43, 409-419.	5.3	21
42	An instrument for discovering new mobile service opportunities. International Journal of Mobile Communications, 2013, 11, 374.	0.3	5
43	Evaluation of new service concepts using rough set theory and group analytic hierarchy process. Expert Systems With Applications, 2012, 39, 3404-3412.	7.6	55
44	Design of convergent product concepts based on functionality: An association rule mining and decision tree approach. Expert Systems With Applications, 2012, 39, 9534-9542.	7.6	43
45	A stochastic patent citation analysis approach to assessing future technological impacts. Technological Forecasting and Social Change, 2012, 79, 16-29.	11.6	104
46	Monitoring trends of technological changes based on the dynamic patent lattice: A modified formal concept analysis approach. Technological Forecasting and Social Change, 2011, 78, 690-702.	11.6	84
47	Identifying core technologies based on technological cross-impacts: An association rule mining (ARM) and analytic network process (ANP) approach. Expert Systems With Applications, 2011, 38, 12559-12564.	7.6	47
48	A framework for impact analysis of the international transfer of marine technology in a climate change era: an input-output analysis and analytic hierarchy process approach. Asian Journal of Technology Innovation, 2011, 19, 1-19.	2.8	2
49	Business planning based on technological capabilities: Patent analysis for technology-driven roadmapping. Technological Forecasting and Social Change, 2009, 76, 769-786.	11.6	185
50	Generation of new service concepts: A morphology analysis and genetic algorithm approach. Expert Systems With Applications, 2009, 36, 12454-12460.	7.6	31
51	ON THE R&D PRIORITY SETTING IN TECHNOLOGY FORESIGHT: A DEA AND ANP APPROACH. International Journal of Innovation and Technology Management, 2008, 05, 201-219.	1.4	18
52	Design Process Modularization: Concept and Algorithm. Concurrent Engineering Research and Applications, 2007, 15, 175-186.	3.2	29
53	Identifying New IT-Based Service Concepts Based on the Technological Strength: A Text Mining and Morphology Analysis Approach. , 2007, , .		2
54	On the R&D Priority Setting in Technology Foresight: a DEA and ANP Approach. , 2006, , .		0