

So Young Sohn

List of Publications by Citations

Source: <https://exaly.com/author-pdf/4290856/so-young-sohn-publications-by-citations.pdf>

Version: 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

121
papers

2,186
citations

26
h-index

40
g-index

124
ext. papers

2,642
ext. citations

5
avg, IF

5.91
L-index

#	Paper	IF	Citations
121	Support vector machines for default prediction of SMEs based on technology credit. <i>European Journal of Operational Research</i> , 2010 , 201, 838-846	5.6	124
120	Predicting the pattern of technology convergence using big-data technology on large-scale triadic patents. <i>Technological Forecasting and Social Change</i> , 2015 , 100, 317-329	9.5	99
119	Pattern recognition for road traffic accident severity in Korea. <i>Ergonomics</i> , 2001 , 44, 107-117	2.9	76
118	Meta analysis of classification algorithms for pattern recognition. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 1999 , 21, 1137-1144	13.3	76
117	Technology credit scoring model with fuzzy logistic regression. <i>Applied Soft Computing Journal</i> , 2016 , 43, 150-158	7.5	71
116	Structural equation model for predicting technology commercialization success index (TCSI). <i>Technological Forecasting and Social Change</i> , 2003 , 70, 885-899	9.5	67
115	Beyond absorptive capacity in open innovation process: the relationships between openness, capacities and firm performance. <i>Technology Analysis and Strategic Management</i> , 2016 , 28, 1009-1028	3.2	61
114	Comparison of technology efficiency for CO2 emissions reduction among European countries based on DEA with decomposed factors. <i>Journal of Cleaner Production</i> , 2017 , 151, 109-120	10.3	56
113	Decision Tree based on data envelopment analysis for effective technology commercialization. <i>Expert Systems With Applications</i> , 2004 , 26, 279-284	7.8	51
112	A novel decomposition analysis of green patent applications for the evaluation of R&D efforts to reduce CO2 emissions from fossil fuel energy consumption. <i>Journal of Cleaner Production</i> , 2018 , 193, 290-299	10.3	50
111	Technological convergence in standards for information and communication technologies. <i>Technological Forecasting and Social Change</i> , 2016 , 106, 1-10	9.5	49
110	Global stock market investment strategies based on financial network indicators using machine learning techniques. <i>Expert Systems With Applications</i> , 2019 , 117, 228-242	7.8	49
109	Patent-based QFD framework development for identification of emerging technologies and related business models: A case of robot technology in Korea. <i>Technological Forecasting and Social Change</i> , 2015 , 94, 44-64	9.5	39
108	Analyzing research trends in personal information privacy using topic modeling. <i>Computers and Security</i> , 2017 , 67, 244-253	4.9	37
107	Managing loan customers using misclassification patterns of credit scoring model. <i>Expert Systems With Applications</i> , 2004 , 26, 567-573	7.8	37
106	An optimization approach for the placement of bicycle-sharing stations to reduce short car trips: An application to the city of Seoul. <i>Transportation Research, Part A: Policy and Practice</i> , 2017 , 105, 154-166	3.7	35
105	Patent valuation based on text mining and survival analysis. <i>Journal of Technology Transfer</i> , 2015 , 40, 821-839	4.4	35

104	Cost of ownership model for the RFID logistics system applicable to u-city. <i>European Journal of Operational Research</i> , 2009 , 194, 406-417	5.6	35
103	Searching customer patterns of mobile service using clustering and quantitative association rule. <i>Expert Systems With Applications</i> , 2008 , 34, 1070-1077	7.8	35
102	Improved technology scoring model for credit guarantee fund. <i>Expert Systems With Applications</i> , 2005 , 28, 327-331	7.8	35
101	Stock fraud detection using peer group analysis. <i>Expert Systems With Applications</i> , 2012 , 39, 8986-8992	7.8	31
100	Multigeneration diffusion model for economic assessment of new technology. <i>Technological Forecasting and Social Change</i> , 2003 , 70, 251-264	9.5	31
99	Random effects logistic regression model for default prediction of technology credit guarantee fund. <i>European Journal of Operational Research</i> , 2007 , 183, 472-478	5.6	30
98	Quantifying technology industry spillover effects based on patent citation network analysis of unmanned aerial vehicle (UAV). <i>Technological Forecasting and Social Change</i> , 2016 , 105, 140-157	9.5	30
97	Meta-analysis on total braking time. <i>Ergonomics</i> , 1998 , 41, 1129-40	2.9	29
96	Utilizing mobile phone-based floating population data to measure the spatial accessibility to public transit. <i>Applied Geography</i> , 2018 , 92, 123-130	4.4	28
95	Patent Network Analysis and Quadratic Assignment Procedures to Identify the Convergence of Robot Technologies. <i>PLoS ONE</i> , 2016 , 11, e0165091	3.7	26
94	Product failure pattern analysis from warranty data using association rule and Weibull regression analysis: A case study. <i>Reliability Engineering and System Safety</i> , 2015 , 133, 176-183	6.3	25
93	Decision tree-based technology credit scoring for start-up firms: Korean case. <i>Expert Systems With Applications</i> , 2012 , 39, 4007-4012	7.8	25
92	Patent analysis to identify shale gas development in China and the United States. <i>Energy Policy</i> , 2014 , 74, 111-115	7.2	23
91	Optimal location selection for the installation of urban green roofs considering honeybee habitats along with socio-economic and environmental effects. <i>Journal of Environmental Management</i> , 2017 , 189, 125-133	7.9	22
90	Patent network based conjoint analysis for wearable device. <i>Technological Forecasting and Social Change</i> , 2015 , 101, 338-346	9.5	22
89	Machine-learning-based deep semantic analysis approach for forecasting new technology convergence. <i>Technological Forecasting and Social Change</i> , 2020 , 157, 120095	9.5	22
88	Behavioral credit scoring model for technology-based firms that considers uncertain financial ratios obtained from relationship banking. <i>Small Business Economics</i> , 2013 , 41, 931-943	5.3	22
87	Forecasting changes in Korea Composite Stock Price Index (KOSPI) using association rules. <i>Expert Systems With Applications</i> , 2011 , 38, 9046-9049	7.8	22

86	Updating a credit-scoring model based on new attributes without realization of actual data. <i>European Journal of Operational Research</i> , 2014 , 234, 119-126	5.6	21
85	Identifying patterns in rare earth element patents based on text and data mining. <i>Scientometrics</i> , 2015 , 102, 389-410	3	19
84	Early detection of valuable patents using a deep learning model: Case of semiconductor industry. <i>Technological Forecasting and Social Change</i> , 2020 , 158, 120146	9.5	19
83	Multivariate meta analysis with potentially correlated marketing study results. <i>Naval Research Logistics</i> , 2000 , 47, 500-510	1.5	19
82	Analyzing technological convergence trends in a business ecosystem. <i>Industrial Management and Data Systems</i> , 2015 , 115, 718-739	3.6	18
81	Valuing academic patents and intellectual properties: Different perspectives of willingness to pay and sell. <i>Technovation</i> , 2013 , 33, 13-24	7.9	18
80	Behavior scoring model for coalition loyalty programs by using summary variables of transaction data. <i>Expert Systems With Applications</i> , 2013 , 40, 1564-1570	7.8	18
79	Reject inference in credit operations based on survival analysis. <i>Expert Systems With Applications</i> , 2006 , 31, 26-29	7.8	18
78	Multitask learning for health condition identification and remaining useful life prediction: deep convolutional neural network approach. <i>Journal of Intelligent Manufacturing</i> , 2020 , 1	6.7	18
77	Random effects Weibull regression model for occupational lifetime. <i>European Journal of Operational Research</i> , 2007 , 179, 124-131	5.6	17
76	Patent portfolio-based indicators to evaluate the commercial benefits of national plant genetic resources. <i>Ecological Indicators</i> , 2016 , 70, 43-52	5.8	16
75	What makes the first forward citation of a patent occur earlier?. <i>Scientometrics</i> , 2017 , 113, 279-298	3	15
74	Impact analysis for national R&D funding in science and technology using quantification method II. <i>Research Policy</i> , 2009 , 38, 1534-1544	7.5	15
73	Empirical Bayesian analysis for traffic intensity: M/M/1 queues with covariates. <i>Queueing Systems</i> , 1996 , 22, 383-401	1.7	15
72	Identifying the trends in wound-healing patents for successful investment strategies. <i>PLoS ONE</i> , 2017 , 12, e0174203	3.7	14
71	Conjoint analysis of R&D contract agreements for industry-funded university research. <i>Journal of Technology Transfer</i> , 2012 , 37, 532-549	4.4	14
70	Optimal pricing for mobile manufacturers in competitive market using genetic algorithm. <i>Expert Systems With Applications</i> , 2009 , 36, 3448-3453	7.8	14
69	Sequential association rules for forecasting failure patterns of aircrafts in Korean airforce. <i>Expert Systems With Applications</i> , 2009 , 36, 1129-1133	7.8	14

68	Technology scoring model for reflecting evaluator's perception within confidence limits. <i>European Journal of Operational Research</i> , 2008 , 184, 981-989	5.6	14
67	Cost of ownership model for inspection of multiple quality attributes. <i>IEEE Transactions on Semiconductor Manufacturing</i> , 2003 , 16, 565-571	2.6	14
66	Competing Risk Model for Technology Credit Fund for Small and Medium-Sized Enterprises. <i>Journal of Small Business Management</i> , 2010 , 48, 378-394	3	13
65	Hierarchical forecasting based on AR-GARCH model in a coherent structure. <i>European Journal of Operational Research</i> , 2007 , 176, 1033-1040	5.6	13
64	Recommendation of startups as technology cooperation candidates from the perspectives of similarity and potential: A deep learning approach. <i>Decision Support Systems</i> , 2020 , 130, 113229	5.6	13
63	Exploring the effect of dual use on the value of military technology patents based on the renewal decision. <i>Scientometrics</i> , 2017 , 112, 1203-1227	3	12
62	Hybrid neural network with cost-sensitive support vector machine for class-imbalanced multimodal data. <i>Neural Networks</i> , 2020 , 130, 176-184	9.1	11
61	A new cost of ownership model for the acquisition of technology complying with environmental regulations. <i>Journal of Cleaner Production</i> , 2015 , 100, 269-277	10.3	10
60	A novel approach to explore patent development paths for subfield technologies. <i>Journal of the Association for Information Science and Technology</i> , 2018 , 69, 410-419	2.7	10
59	Random effects model for the reliability management of modules of a fighter aircraft. <i>Reliability Engineering and System Safety</i> , 2006 , 91, 433-437	6.3	10
58	Fuzzy analytic hierarchy process applied to technology credit scorecard considering entrepreneurs' psychological and behavioral attributes. <i>Journal of Intelligent and Fuzzy Systems</i> , 2016 , 30, 2349-2364	1.6	10
57	Graph convolutional network approach applied to predict hourly bike-sharing demands considering spatial, temporal, and global effects. <i>PLoS ONE</i> , 2019 , 14, e0220782	3.7	9
56	Stress test for a technology credit guarantee fund based on survival analysis. <i>Journal of the Operational Research Society</i> , 2015 , 66, 463-475	2	9
55	. <i>IEEE Transactions on Engineering Management</i> , 2011 , 58, 189-198	2.6	9
54	Cost of ownership model for a CRM system. <i>Science of Computer Programming</i> , 2006 , 60, 68-81	1.1	9
53	Recommendation system for technology convergence opportunities based on self-supervised representation learning. <i>Scientometrics</i> , 2021 , 126, 1-25	3	9
52	Taxi vacancy duration: a regression analysis. <i>Transportation Planning and Technology</i> , 2017 , 40, 771-795	1.6	8
51	Patent-based framework for assisting entrepreneurial firms' R&D partner selection: Leveraging their limited resources and managing the tension between learning and protection. <i>Journal of Engineering and Technology Management - JET-M</i> , 2020 , 57, 101575	3.7	8

50	Technology Credit Scoring Based on a Quantification Method. <i>Sustainability</i> , 2017 , 9, 1057	3.6	8
49	Identifying Emerging Trends of Financial Business Method Patents. <i>Sustainability</i> , 2017 , 9, 1670	3.6	8
48	Statistical Analysis of Environmental Effects on Reliability Decay of Missiles: A Case Study. <i>IIE Transactions</i> , 1996 , 28, 995-1002		8
47	Graph convolutional network-based credit default prediction utilizing three types of virtual distances among borrowers. <i>Expert Systems With Applications</i> , 2021 , 168, 114411	7.8	8
46	Evaluating the patenting activities of pharmaceutical research organizations based on new technology indices. <i>Journal of Informetrics</i> , 2016 , 10, 74-81	3.1	7
45	Topic Model Analysis of Research Trend on Spatial Big Data. <i>Journal of Korean Institute of Industrial Engineers</i> , 2015 , 41, 64-73	0.8	7
44	Patent clustering and network analyses to explore nuclear waste management technologies. <i>Energy Policy</i> , 2020 , 146, 111794	7.2	7
43	Discovering emerging business ideas based on crowdfunded software projects. <i>Decision Support Systems</i> , 2019 , 116, 102-113	5.6	7
42	Trend analysis of academic research and technical development pertaining to gas hydrates. <i>Scientometrics</i> , 2015 , 105, 905-920	3	6
41	Recommendation of feeder bus routes using neural network embedding-based optimization. <i>Transportation Research, Part A: Policy and Practice</i> , 2019 , 126, 329-341	3.7	6
40	Demand Forecasting for Heavy-Duty Diesel Engines Considering Emission Regulations. <i>Sustainability</i> , 2017 , 9, 166	3.6	6
39	A Credit Scoring Model for SMEs Based on Accounting Ethics. <i>Sustainability</i> , 2017 , 9, 1588	3.6	6
38	Behavioral technology credit scoring model with time-dependent covariates for stress test. <i>European Journal of Operational Research</i> , 2015 , 242, 910-919	5.6	6
37	Quantification method analysis of the relationship between occupant injury and environmental factors in traffic accidents. <i>Accident Analysis and Prevention</i> , 2011 , 43, 342-51	6.1	6
36	Genetic algorithms applied to optimal tolerance levels of multiattribute inspection errors. <i>IEEE Transactions on Electronics Packaging Manufacturing</i> , 2003 , 26, 338-344		6
35	Competing risk model for predicting stabilization period of university spin-off ventures. <i>International Entrepreneurship and Management Journal</i> , 2017 , 13, 777-796	4.9	5
34	Optimization strategy of credit line management for credit card business. <i>Computers and Operations Research</i> , 2014 , 48, 81-88	4.6	5
33	Design guidelines for the Dashilar, Beijing Open Green Space Redevelopment Project. <i>Urban Forestry and Urban Greening</i> , 2014 , 13, 385-396	5.4	5

32	Economic Evaluation Model for International Standardization of Technology. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2009 , 58, 657-665	5.2	5
31	Competing risk model for mobile phone service. <i>Technological Forecasting and Social Change</i> , 2008 , 75, 1416-1422	9.5	5
30	CASE-BASED REASONING FOR PREDICTING MULTIPERIOD FINANCIAL PERFORMANCES OF TECHNOLOGY-BASED SMEs. <i>Applied Artificial Intelligence</i> , 2008 , 22, 602-615	2.3	5
29	Balanced Scorecard Based Performance Analysis of Accreditation for Engineering Education. <i>Industrial Engineering and Management Systems</i> , 2014 , 13, 67-86	2.5	5
28	Disparities in exploitative and exploratory patenting performance across regions: Focusing on the roles of agglomeration externalities. <i>Papers in Regional Science</i> , 2019 , 98, 241-263	1.8	5
27	Identifying innovation in socialist countries through patent analysis focused on Cuba and Vietnam. <i>World Patent Information</i> , 2019 , 59, 101898	1.4	4
26	Term discrimination for text search tasks derived from negative binomial distribution. <i>Information Processing and Management</i> , 2018 , 54, 370-379	6.3	4
25	Adaptive conjoint analysis for the vitalisation of angel investments by entrepreneurs. <i>Technology Analysis and Strategic Management</i> , 2016 , 28, 677-690	3.2	4
24	Forecasting new product diffusion using both patent citation and web search traffic. <i>PLoS ONE</i> , 2018 , 13, e0194723	3.7	4
23	Effects of the matching fund program on IPO and bankruptcy of SMEs in Korea. <i>Small Business Economics</i> , 2014 , 42, 117-129	5.3	4
22	Peer group analysis for introducing weather derivatives for a city. <i>Expert Systems With Applications</i> , 2013 , 40, 5680-5687	7.8	4
21	Modelling and estimating heavy-tailed non-homogeneous correlated queues: Pareto-inverse gamma HGLM with covariates. <i>Journal of Applied Statistics</i> , 2006 , 33, 417-425	1	4
20	Quantitative analysis of a half-century of K-Pop songs: Association rule analysis of lyrics and social network analysis of singers and composers. <i>Journal of Popular Music Studies</i> , 2017 , 29, e12225	0.1	3
19	Engineering graduate students' views on the effective ownership of academic patents. <i>Journal of Technology Transfer</i> , 2019 , 44, 132-154	4.4	3
18	Firms' Negative Perceptions on Patents, Technology Management Strategies, and Subsequent Performance. <i>Sustainability</i> , 2017 , 9, 440	3.6	2
17	Recommendation of investment portfolio for peer-to-peer lending with additional consideration of bidding period. <i>Annals of Operations Research</i> ,	3.2	2
16	Novel method for detection of mixed-type defect patterns in wafer maps based on a single shot detector algorithm. <i>Journal of Intelligent Manufacturing</i> ,1	6.7	2
15	Investigating the relationship between ammunition stockpile information and subsequent performance. <i>Reliability Engineering and System Safety</i> , 2010 , 95, 426-430	6.3	1

14	Meta analysis with potentially correlated marketing study results. <i>Journal of Statistical Computation and Simulation</i> , 2000 , 65, 95-107	0.9	1
13	Mapping and identifying technological coopetition: a multi-level approach. <i>Scientometrics</i> , 2021 , 126, 5797	3	1
12	Predicting future technological convergence patterns based on machine learning using link prediction. <i>Scientometrics</i> , 2021 , 126, 5413-5429	3	1
11	Optimal location-allocation model for the installation of rooftop sports facilities in metropolitan areas. <i>European Sport Management Quarterly</i> , 2020 , 20, 189-204	1.9	1
10	Evaluating borrowers' default risk with a spatial probit model reflecting the distance in their relational network.. <i>PLoS ONE</i> , 2021 , 16, e0261737	3.7	1
9	Cost-benefit model for multi-generational high-technology products to compare sequential innovation strategy with quality strategy. <i>PLoS ONE</i> , 2021 , 16, e0249124	3.7	0
8	Patent data based search framework for IT R&D employees for convergence technology. <i>Scientometrics</i> , 2021 , 126, 5687	3	0
7	Perceived importance of intellectual property protection methods by Korean SMEs involved in product innovation and their value appropriation. <i>Journal of Small Business Management</i> , 1-27	3	0
6	Patenting trends in biometric technology of the Big Five patent offices. <i>World Patent Information</i> , 2021 , 65, 102040	1.4	0
5	A credit scoring model based on the Myers-Briggs type indicator in online peer-to-peer lending.. <i>Financial Innovation</i> , 2022 , 8, 42	5.7	0
4	Dynamics of Topics in Antimalarial Patents: Comparison Between the USPTO and SIPO 2019 , 309-321		
3	A CostBenefit Analysis to Assess the Effectiveness of Frontal Center Curtain Airbag. <i>Sustainability</i> , 2017 , 9, 1745	3.6	
2	Comparing spatial patterns of sole proprietorship and corporate payday lenders in Seoul, Korea. <i>Annals of Regional Science</i> , 2020 , 64, 215-236	1.1	
1	Recommending blue ocean technologies for subcontractors: A framework based on business reports of prime contractors and patents. <i>PLoS ONE</i> , 2021 , 16, e0256157	3.7	