

Woo-Sung Jung

List of Publications by Year in descending order

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Version: 2024-02-01

66
papers

1,500
citations

361045

20
h-index

329751

37
g-index

68
all docs

68
docs citations

68
times ranked

1391
citing authors

#	ARTICLE	IF	CITATIONS
1	Gravity model in the Korean highway. Europhysics Letters, 2008, 81, 48005.	0.7	194
2	Quantitative and empirical demonstration of the Matthew effect in a study of career longevity. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 18-23.	3.3	177
3	Statistical analysis of the Metropolitan Seoul Subway System: Network structure and passenger flows. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 6231-6234.	1.2	124
4	Characteristics of the Korean stock market correlations. Physica A: Statistical Mechanics and Its Applications, 2006, 361, 263-271.	1.2	90
5	Hurst exponent and prediction based on weak-form efficient market hypothesis of stock markets. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 4630-4636.	1.2	85
6	A multifractal analysis of Asian foreign exchange markets. European Physical Journal B, 2012, 85, 1.	0.6	67
7	Topological properties of stock networks based on minimal spanning tree and random matrix theory in financial time series. Physica A: Statistical Mechanics and Its Applications, 2009, 388, 900-906.	1.2	65
8	Diversity of functional connectivity patterns is reduced in propofol-induced unconsciousness. Human Brain Mapping, 2017, 38, 4980-4995.	1.9	48
9	Relationship between efficiency and predictability in stock price change. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 5511-5517.	1.2	40
10	Suppressed neural complexity during ketamine- and propofol-induced unconsciousness. Neuroscience Letters, 2017, 653, 320-325.	1.0	37
11	Statistical properties of cross-correlation in the Korean stock market. European Physical Journal B, 2011, 79, 55-60.	0.6	35
12	Volatility return intervals analysis of the Japanese market. European Physical Journal B, 2008, 62, 113-119.	0.6	34
13	Application of gravity model on the Korean urban bus network. Physica A: Statistical Mechanics and Its Applications, 2016, 462, 48-55.	1.2	33
14	Microscopic spin model for the dynamics of the return distribution of the Korean stock market index. Physica A: Statistical Mechanics and Its Applications, 2006, 363, 377-382.	1.2	31
15	Group dynamics of the Japanese market. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 537-542.	1.2	31
16	Urban green space and happiness in developed countries. EPJ Data Science, 2021, 10, 28.	1.5	30
17	On the distribution of career longevity and the evolution of home-run prowess in professional baseball. Europhysics Letters, 2008, 83, 50010.	0.7	28
18	Accuracy test for link prediction in terms of similarity index: The case of WS and BA models. Physica A: Statistical Mechanics and Its Applications, 2015, 429, 177-183.	1.2	28

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19	The universal pathway to innovative urban economies. <i>Science Advances</i> , 2020, 6, .	4.7	24
20	Horizon scanning in policy research database with a probabilistic topic model. <i>Technological Forecasting and Social Change</i> , 2019, 146, 588-594.	6.2	22
21	The effect of a market factor on information flow between stocks using the minimal spanning tree. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2010, 389, 1643-1652.	1.2	18
22	Analysis on the urban street network of Korea: Connections between topology and meta-information. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 497, 15-25.	1.2	18
23	An open letter to Mr. Secretary general of the united nations to propose setting up global standards for conquering growth limits of capitalism. <i>Journal of Open Innovation: Technology, Market, and Complexity</i> , 2016, 2, 1-4.	2.6	16
24	The latent structure of global scientific development. <i>Nature Human Behaviour</i> , 2022, 6, 1206-1217.	6.2	16
25	Master equation approach to the intra-urban passenger flow and application to the Metropolitan Seoul Subway system. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2011, 44, 115007.	0.7	14
26	Gravity model explained by the radiation model on a population landscape. <i>PLoS ONE</i> , 2019, 14, e0218028.	1.1	14
27	Intercity express bus flow in Korea and its network analysis. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012, 391, 4261-4265.	1.2	13
28	The double power law in human collaboration behavior: The case of Wikipedia. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 461, 85-91.	1.2	13
29	Effects of time dependency and efficiency on information flow in financial markets. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 5219-5224.	1.2	12
30	Sleepless in Seoul: The Ant and the Metrohopper. <i>Journal of the Korean Physical Society</i> , 2010, 57, 823-825.	0.3	12
31	Effect of changing data size on eigenvalues in the Korean and Japanese stock markets. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2009, 388, 4780-4786.	1.2	11
32	Return Intervals Analysis of the Korean Stock Market. <i>Journal of the Korean Physical Society</i> , 2010, 56, 922-925.	0.3	11
33	Optimum refractive index of poly-component particulate systems for measurement of particle size distribution by laser diffraction method analyzer. <i>Materials Chemistry and Physics</i> , 2009, 117, 18-22.	2.0	10
34	Chaos and unpredictability in evolution of cooperation in continuous time. <i>Physical Review E</i> , 2017, 96, 062310.	0.8	9
35	Structural efficiency to manipulate public research institution networks. <i>Technological Forecasting and Social Change</i> , 2016, 110, 21-32.	6.2	8
36	Hierarchical burst model for complex bursty dynamics. <i>Physical Review E</i> , 2018, 98, 022316.	0.8	8

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37	Copula-based algorithm for generating bursty time series. <i>Physical Review E</i> , 2019, 100, 022307.	0.8	8
38	Bibliometric Analysis of Collaboration Network and the Role of Research Station in Antarctic Science. <i>Industrial Engineering and Management Systems</i> , 2016, 15, 92-98.	0.3	8
39	Embracing networks of national policy research in future foresight. <i>International Journal of Knowledge-Based Development</i> , 2016, 7, 107.	0.4	7
40	Tracing the evolution of physics with a keyword co-occurrence network. <i>Journal of the Korean Physical Society</i> , 2021, 78, 236-243.	0.3	7
41	A strategic management approach for Korean public research institutes based on bibliometric investigation. <i>Quality and Quantity</i> , 2015, 49, 1437-1464.	2.0	6
42	Agent-based approach for generation of a money-centered star network. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 5498-5502.	1.2	4
43	Dynamics of clustered opinions in complex networks. <i>Journal of Economic Interaction and Coordination</i> , 2008, 3, 81-88.	0.4	4
44	Structural dynamics of keyword networks: Liquid crystal display and plasma display panel cases. <i>Journal of Engineering and Technology Management - JET-M</i> , 2016, 40, 64-75.	1.4	4
45	Disturbance of questionable publishing to academia. <i>Journal of Informetrics</i> , 2022, 16, 101294.	1.4	4
46	Rescue model for the bystanders' intervention in emergencies. <i>Europhysics Letters</i> , 2006, 73, 306-312.	0.7	3
47	Persona2vec: a flexible multi-role representations learning framework for graphs. <i>PeerJ Computer Science</i> , 2021, 7, e439.	2.7	3
48	A System Dynamics Analysis of National R&D Performance Measurement System in Korea. <i>Industrial Engineering and Management Systems</i> , 2018, 17, 833-839.	0.3	3
49	Dynamics of helping behavior and networks in a small world. <i>Physical Review E</i> , 2006, 74, 026120.	0.8	2
50	Entropy analysis in foreign exchange markets and economic crisis. <i>Journal of the Korean Physical Society</i> , 2012, 61, 638-646.	0.3	2
51	Measuring national capability over big science's multidisciplinary: A case study of nuclear fusion research. <i>PLoS ONE</i> , 2019, 14, e0211963.	1.1	2
52	Build Up of a Subject Classification System from Collective Intelligence. <i>New Physics: Sae Mulli</i> , 2018, 68, 647-654.	0.0	2
53	A Network Approach to the Transfer Market of European Football Leagues. <i>New Physics: Sae Mulli</i> , 2015, 65, 402-409.	0.0	2
54	The dynamics of the aggressive order during a crisis. <i>PLoS ONE</i> , 2020, 15, e0232820.	1.1	2

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55	A Study on Technology Forecasting based on Co-occurrence Network of Keyword in Multidisciplinary Journals. Journal of the Korean Operations Research and Management Science Society, 2015, 40, 49-63.	0.1	1
56	Analysis in correlation for the Korean stock market. , 2005, , .		0
57	Rescue model for the bystanders' intervention in emergencies. Europhysics Letters, 2006, 74, 376-376.	0.7	0
58	A Study on the Performance of Similarity Indices and its Relationship with Link Prediction: a Two-State Random Network Case. Journal of the Korean Physical Society, 2018, 73, 1589-1595.	0.3	0
59	Trading Characteristics of Member Firms on the Korea Exchange. Journal of the Korean Physical Society, 2020, 76, 1144-1153.	0.3	0
60	Information flow on COVID-19 over Wikipedia: A case study of 11 languages. , 2021, , .		0
61	Social Physics. Physics and High Technology, 2011, 20, 32.	0.1	0
62	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	0
63	Revealing the Structure of National R & D Activity in Korea by Using a Keyword Co-occurrence Network. New Physics: Sae Mulli, 2017, 67, 581-587.	0.0	0
64	Classification of Writing Style by Using a Morpheme Network Analysis. New Physics: Sae Mulli, 2018, 68, 636-641.	0.0	0
65	Does Pitch Type - Zone Uncertainty Matter to a Pitcher's Performance?. New Physics: Sae Mulli, 2018, 68, 624-629.	0.0	0
66	Topology Analysis on the National Wicked Problems Using Keyword Network. Journal of Korea Technology Innovation Society, 2020, 23, 863-889.	0.0	0