Sang-Bing Tsai

List of Publications by Citations

198 papers	**2,482** citations	**29** h-index	**41** g-index
209 ext. papers	**3,015** ext. citations	**2.8** avg, IF	**6.09** L-index

#	Paper	IF	Citations
198	Models for forecasting growth trends in renewable energy. *Renewable and Sustainable Energy Reviews*, **2017**, 77, 1169-1178	16.2	108
197	Using the Fuzzy DEMATEL to Determine Environmental Performance: A Case of Printed Circuit Board Industry in Taiwan. *PLoS ONE*, **2015**, 10, e0129153	3.7	84
196	AI Powered Service Optimization for Edge/Fog Computing. *Mathematical Problems in Engineering*, **2021**, 2021, 1-1	1.1	81
195	Using the DEMATEL model to explore the job satisfaction of research and development professionals in china's photovoltaic cell industry. *Renewable and Sustainable Energy Reviews*, **2018**, 81, 62-68	16.2	77
194	An Empirical Study on Entrepreneurial Orientation, Absorptive Capacity, and SMEs Innovation Performance: A Sustainable Perspective. *Sustainability*, **2018**, 10, 314	3.6	58
193	An Empirical Study on the Organizational Trust, Employee-Organization Relationship and Innovative Behavior from the Integrated Perspective of Social Exchange and Organizational Sustainability. *Sustainability*, **2018**, 10, 864	3.6	58
192	Using grey models for forecasting China growth trends in renewable energy consumption. *Clean Technologies and Environmental Policy*, **2016**, 18, 563-571	4.3	51
191	A fuzzy three-stage multi-attribute decision-making approach based on customer needs for sustainable supplier selection. *Journal of Cleaner Production*, **2019**, 239, 118043	10.3	49
190	Combining FMEA with DEMATEL models to solve production process problems. *PLoS ONE*, **2017**, 12, e0183634	3.7	47
189	Uncertainty measure based on Tsallis entropy in evidence theory. *International Journal of Intelligent Systems*, **2019**, 34, 3105-3120	8.4	47
188	A Study on Curing Kinetics of Nano-Phase Modified Epoxy Resin. *Scientific Reports*, **2018**, 8, 3045	4.9	43
187	Doing Good Again? A Multilevel Institutional Perspective on Corporate Environmental Responsibility and Philanthropic Strategy. *International Journal of Environmental Research and Public Health*, **2017**, 14,	4.6	43
186	Evaluating green suppliers from a green environmental perspective. *Environment and Planning B: Planning and Design*, **2016**, 43, 941-959		42
185	Dynamic Collection Strategy and Coordination of a Remanufacturing Closed-Loop Supply Chain under Uncertainty. *Sustainability*, **2017**, 9, 683	3.6	42
184	Low Carbon Strategy Analysis of Competing Supply Chains with Different Power Structures. *Sustainability*, **2017**, 9, 835	3.6	42
183	Trust-Aware Service Offloading for Video Surveillance in Edge Computing Enabled Internet of Vehicles. *IEEE Transactions on Intelligent Transportation Systems*, **2021**, 22, 1787-1796	6.1	41
182	Using a Mixed Model to Evaluate Job Satisfaction in High-Tech Industries. *PLoS ONE*, **2016**, 11, e0154071	3.7	40

181	A study on solving the production process problems of the photovoltaic cell industry. *Renewable and Sustainable Energy Reviews*, **2018**, 82, 3546-3553	16.2	39
180	Using modified grey forecasting models to forecast the growth trends of green materials. *Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture*, **2014**, 228, 931-940	2.4	38
179	Empirical research on Kano's model and customer satisfaction. *PLoS ONE*, **2017**, 12, e0183888	3.7	37
178	The Influence of Legitimacy on a Proactive Green Orientation and Green Performance: A Study Based on Transitional Economy Scenarios in China. *Sustainability*, **2016**, 8, 1344	3.6	34
177	Discussing measurement criteria and competitive strategies of green suppliers from a green law perspective. *Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture*, **2015**, 229, 135-145	2.4	33
176	A Novel Two-Stage Integrated Model for Supplier Selection of Green Fresh Product. *Sustainability*, **2018**, 10, 2371	3.6	32
175	Applying revised gap analysis model in measuring hotel service quality. *SpringerPlus*, **2016**, 5, 1191		32
174	An Empirical Study on Green Innovation Efficiency in the Green Institutional Environment. *Sustainability*, **2018**, 10, 724	3.6	31
173	Establishing a criteria system for green production. *Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture*, **2015**, 229, 1395-1406	2.4	30
172	An empirical research on customer satisfaction study: a consideration of different levels of performance. *SpringerPlus*, **2016**, 5, 1577		30
171	The Development Evaluation of Economic Zones in China. *International Journal of Environmental Research and Public Health*, **2018**, 15,	4.6	30
170	Design of Research on Performance of a New Iridium Coordination Compound for the Detection of Hg. *International Journal of Environmental Research and Public Health*, **2017**, 14,	4.6	29
169	Marine Ecological Environment Management Based on Ecological Compensation Mechanisms. *Sustainability*, **2016**, 8, 1267	3.6	29
168	Evaluating the green corporate social responsibility of manufacturing corporations from a green industry law perspective. *International Journal of Production Research*, **2015**, 53, 665-674	7.8	28
167	Using a Novel Method to Evaluate the Performance of Human Resources in Green Logistics Enterprises. *Ecological Chemistry and Engineering S*, **2019**, 26, 629-640	1.3	28
166	. *IEEE Access*, **2019**, 7, 47423-47436	3.5	27
165	DISCUSSING AND EVALUATING GREEN SUPPLY CHAIN SUPPLIERS: A CASE STUDY OF THE PRINTED CIRCUIT BOARD INDUSTRY IN CHINA. *South African Journal of Industrial Engineering*, **2015**, 26, 56	1.7	27
164	Using DEMATEL-Based ANP Model to Measure the Successful Factors of E-Commerce. *Journal of Global Information Management*, **2018**, 26, 120-135	1.9	26

163	Grey system theory and fuzzy time series forecasting for the growth of green electronic materials. *International Journal of Production Research*, **2014**, 52, 2931-2945	7.8	25
162	EO-Performance relationships in Reverse Internationalization by Chinese Global Startup OEMs: Social Networks and Strategic Flexibility. *PLoS ONE*, **2016**, 11, e0162175	3.7	25
161	Exploring key factors in online shopping with a hybrid model. *SpringerPlus*, **2016**, 5, 2046		25
160	A Study on Optimization of CBM Water Drainage by Well-Test Deconvolution in the Early Development Stage. *Water (Switzerland)*, **2018**, 10, 929	3	25
159	An Evaluation of Coupling Coordination between Tourism and Finance. *Sustainability*, **2018**, 10, 2320	3.6	25
158	Using Mahalanobis–Taguchi system, logistic regression, and neural network method to evaluate purchasing audit quality. *Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture*, **2015**, 229, 3-12	2.4	24
157	A comprehensive survey of government auditors' self-efficacy and professional development for improving audit quality. *SpringerPlus*, **2016**, 5, 1263		24
156	A Research on Preparation and Application of the Monolithic Catalyst with Interconnecting Pore Structure. *Scientific Reports*, **2018**, 8, 16605	4.9	24
155	Examining How Manufacturing Corporations Win Orders. *South African Journal of Industrial Engineering*, **2013**, 24,	1.7	22
154	How to Evaluate the Job Satisfaction of Development Personnel. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2017**, 47, 2809-2816	7.3	21
153	Using Hybrid Model to Evaluate Performance of Innovation and Technology Professionals in Marine Logistics Industry. *Mathematical Problems in Engineering*, **2015**, 2015, 1-8	1.1	21
152	The Influence of Entrepreneurship and Social Networks on Economic Growth—From a Sustainable Innovation Perspective. *Sustainability*, **2018**, 10, 2510	3.6	21
151	Pricing competition on innovative product between innovator and entrant imitator facing strategic customers. *International Journal of Production Research*, **2018**, 56, 1806-1824	7.8	20
150	An Empirical Study on Greenhouse Gas Emission Calculations Under Different Municipal Solid Waste Management Strategies. *Applied Sciences (Switzerland)*, **2020**, 10, 1673	2.6	19
149	A Sustainable Closed-Loop Supply Chain Decision Mechanism in the Electronic Sector. *Sustainability*, **2018**, 10, 1295	3.6	19
148	Collaborative Production Structure of Knowledge Sharing Behavior in Internet Communities. *Mobile Information Systems*, **2016**, 2016, 1-9	1.4	18
147	Open Innovation in Crowdfunding Context: Diversity, Knowledge, and Networks. *Sustainability*, **2019**, 11, 180	3.6	17
146	An Empirical Study on the Design of China High-Speed Rail Express Train Operation Plan—From a Sustainable Transport Perspective. *Sustainability*, **2018**, 10, 2478	3.6	17

145	Creating the sustainable conditions for knowledge information sharing in virtual community. *SpringerPlus*, **2016**, 5, 1019		16
144	IPO Underpricing After the 2008 Financial Crisis: A Study of the Chinese Stock Markets. *Sustainability*, **2018**, 10, 2844	3.6	16
143	An Empirical Study on Design Partner Selection in Green Product Collaboration Design. *Sustainability*, **2018**, 10, 133	3.6	15
142	A Study on Green Supplier Selection in Dynamic Environment. *Sustainability*, **2018**, 10, 1226	3.6	15
141	Applying the Mahalanobis Taguchi System to Improve Tablet PC Production Processes. *Sustainability*, **2017**, 9, 1557	3.6	15
140	An Empirical Study on Sales Performance Effect and Pricing Strategy for E-Commerce: From the Perspective of Mobile Information. *Mobile Information Systems*, **2020**, 2020, 1-8	1.4	15
139	Using a Mixed Model to Explore Evaluation Criteria for Bank Supervision: A Banking Supervision Law Perspective. *PLoS ONE*, **2016**, 11, e0167710	3.7	15
138	A New TS Algorithm for Solving Low-Carbon Logistics Vehicle Routing Problem with Split Deliveries by Backpack-From a Green Operation Perspective. *International Journal of Environmental Research and Public Health*, **2018**, 15,	4.6	14
137	An Empirical Study on Visualizing the Intellectual Structure and Hotspots of Big Data Research from a Sustainable Perspective. *Sustainability*, **2018**, 10, 667	3.6	14
136	An Empirical Study on Customer Segmentation by Purchase Behaviors Using a RFM Model and K-Means Algorithm. *Mathematical Problems in Engineering*, **2020**, 2020, 1-7	1.1	14
135	How to Evaluate Smart Cities Construction? A Comparison of Chinese Smart City Evaluation Methods Based on PSF. *Sustainability*, **2018**, 10, 37	3.6	13
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127	An empirical research on relationships between subjective judgement, technology acceptance tendency and knowledge transfer. *PLoS ONE*, **2017**, 12, e0183994	3.7	10
126	Regime-Switching Determinants for Spreads of Emerging Markets Sovereign Credit Default Swaps. *Sustainability*, **2018**, 10, 2730	3.6	10
125	An Empirical Study of the Impact of the Air Transportation Industry Energy Conservation and Emission Reduction Projects on the Local Economy in China. *International Journal of Environmental Research and Public Health*, **2018**, 15,	4.6	9
124	China's Insurance Regulatory Reform, Corporate Governance Behavior and Insurers' Governance Effectiveness. *International Journal of Environmental Research and Public Health*, **2017**, 14,	4.6	9
123	An Empirical Study on Response to Online Customer Reviews and E-Commerce Sales: From the Mobile Information System Perspective. *Mobile Information Systems*, **2020**, 2020, 1-12	1.4	9
122	Eco-Technology and Eco-Innovation for Green Sustainable Growth. *Ecological Chemistry and Engineering S*, **2021**, 28, 7-10	1.3	9
121	Integrating decision-making trial and evaluation laboratory model and failure mode and effect analysis to determine the priority in solving production problems. *Advances in Mechanical Engineering*, **2016**, 8, 168781401664101	1.2	8
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116	A GRA-Based Method for Evaluating Medical Service Quality. *IEEE Access*, **2019**, 7, 34252-34264	3.5	7
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112	An Empirical Study on the Design of Digital Content Products from a Big Data Perspective. *Sustainability*, **2018**, 10, 3092	3.6	7
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107	An Empirical Study on the Indirect Impact of Flight Delay on China's Economy. *Sustainability*, **2018**, 10, 357	3.6	6
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103	An Empirical Study on Low-Carbon: Human Resources Performance Evaluation. *International Journal of Environmental Research and Public Health*, **2018**, 15,	4.6	5
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101	Financing Target and Resale Pricing in Reward-Based Crowdfunding. *Sustainability*, **2018**, 10, 1297	3.6	5
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99	A Research on Fresh-Keeping Strategies for Fresh Agricultural Products from the Perspective of Green Transportation. *Discrete Dynamics in Nature and Society*, **2020**, 2020, 1-12	1.1	4
98	An Empirical Research on Marketing Strategies of Different Risk Preference Merchant. *Mathematical Problems in Engineering*, **2018**, 2018, 1-11	1.1	4
97	Manufacturer's Decision as Consumers'Low-Carbon Preference Grows. *Sustainability*, **2018**, 10, 1284	3.6	4
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94	Opportunism Motivation of Environmental Protection Activism and Corporate Governance: An Empirical Study from China. *Sustainability*, **2018**, 10, 1725	3.6	4
93	User Value Identification Based on Improved RFM Model and K -Means++ Algorithm for Complex Data Analysis. *Wireless Communications and Mobile Computing*, **2021**, 2021, 1-8	1.9	4
92	A Study on the Strategy for Departure Aircraft Pushback Control from the Perspective of Reducing Carbon Emissions. *Energies*, **2018**, 11, 2473	3.1	4

91	Agricultural Internet Entrepreneurs'Social Network Behaviors and Entrepreneurship Financing Performance. *Sustainability*, **2018**, 10, 2677	3.6	4
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89	An Empirical Study on Sports Combination Training Action Recognition Based on SMO Algorithm Optimization Model and Artificial Intelligence. *Mathematical Problems in Engineering*, **2021**, 2021, 1-11	1.1	4
88	An Empirical Study on Application of Machine Learning and Neural Network in English Learning. *Mathematical Problems in Engineering*, **2021**, 2021, 1-9	1.1	4
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85	An Empirical Study on Digital Media Technology in Film and Television Animation Design. *Mathematical Problems in Engineering*, **2022**, 2022, 1-10	1.1	3
84	The Presence of a Powerful Retailer on Dynamic Collecting Closed-Loop Supply Chain From a Sustainable Innovation Perspective. *Sustainability*, **2018**, 10, 2115	3.6	3
83	Novel Method for Perceiving Key Requirements of Customer Collaboration Low-Carbon Product Design. *International Journal of Environmental Research and Public Health*, **2018**, 15,	4.6	3
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81	Design and Implementation of Embedded Real-Time English Speech Recognition System Based on Big Data Analysis. *Mathematical Problems in Engineering*, **2021**, 2021, 1-12	1.1	3
80	How Does a Staggered Board Provision Affect Corporate Strategic Change? Evidence from China's Listed Companies. *Sustainability*, **2018**, 10, 1412	3.6	2
79	Using a Hybrid Model on Joint Scheduling of Berths and Quay Cranes From a Sustainable Perspective. *Sustainability*, **2018**, 10, 1959	3.6	2
78	An Empirical Study on the Innovation Sharing Express Box: Collaborative Consumption and the Overlay Network Design. *Sustainability*, **2018**, 10, 2201	3.6	2
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75	A Study on the Quality Evaluation of English Teaching Based on the Fuzzy Comprehensive Evaluation of Bat Algorithm and Big Data Analysis. *Mathematical Problems in Engineering*, **2021**, 2021, 1-12	1.1	2
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72	Using DEMATEL-Based ANP Model to Measure the Successful Factors of E-Commerce **2018**, 1122-1138		2
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70	An Empirical Study on Application of Virtual Reality Animation Technology by Big Data Model. *Mathematical Problems in Engineering*, **2021**, 2021, 1-9	1.1	2
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68	Research on the B2C Online Marketing Effect Based on the LS-SVM Algorithm and Multimodel Fusion. *Mathematical Problems in Engineering*, **2021**, 2021, 1-11	1.1	2
67	Research on Prediction Model of Hotels Development Scale Based on BP Artificial Neural Network Algorithm. *Mathematical Problems in Engineering*, **2021**, 2021, 1-12	1.1	2
66	Organisational leadership style, network structure, and knowledge performance in online knowledge community organisations. *Enterprise Information Systems*, **2021**, 15, 868-887	3.5	2
65	An empirical study on solving an integrated production and distribution problem with a hybrid strategy. *PLoS ONE*, **2018**, 13, e0206806	3.7	2
64	Nonlinear Effect of Financial Efficiency and Financial Competition on Heterogeneous Firm R&D: A Study on the Combined Perspective of Financial Quantity Expansion and Quality Development. *Sustainability*, **2018**, 10, 1383	3.6	2
63	An Empirical Study on Innovation of College Blended Teaching under Big Data Analysis. *Mathematical Problems in Engineering*, **2021**, 2021, 1-9	1.1	2
62	A Study on the Application of Interactive English-Teaching Mode under Complex Data Analysis. *Wireless Communications and Mobile Computing*, **2021**, 2021, 1-12	1.9	2
61	Construction and Analysis of Intelligent English Teaching Model Assisted by Personalized Virtual Corpus by Big Data Analysis. *Mathematical Problems in Engineering*, **2021**, 2021, 1-11	1.1	2
60	A Study on Micropipetting Detection Technology of Automatic Enzyme Immunoassay Analyzer. *Scientific Reports*, **2018**, 8, 5757	4.9	1
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58	An Empirical Research on Bank Client Credit Assessments. *Sustainability*, **2018**, 10, 1406	3.6	1
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56	An Empirical Study on Effective Tax Rate and CEO Promotion: Evidence from Local SOEs in China. *Sustainability*, **2018**, 10, 2007	3.6	1

55	A System Dynamics Framework for Academic Entrepreneurship. *Sustainability*, **2018**, 10, 2430	3.6	1
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52	Green Entrepreneurship in Transitional Economies **2019**, 1136-1160		1
51	An Empirical Study on the Artificial Intelligence-Aided Quantitative Design of Art Images. *Wireless Communications and Mobile Computing*, **2021**, 2021, 1-11	1.9	1
50	Measuring the Service Quality of E-Commerce and Competitive Strategies **2016**, 431-450		1
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48	An Empirical Study for Green Transportation Scheme of Municipal Solid Waste Based on Complex Data Model Analysis. *Mathematical Problems in Engineering*, **2021**, 2021, 1-17	1.1	1
47	Reverse logistics research of municipal hazardous waste: a literature review. *Environment, Development and Sustainability*, **2021**, 1-37	4.5	1
46	Online Data Migration Model and ID3 Algorithm in Sports Competition Action Data Mining Application. *Wireless Communications and Mobile Computing*, **2021**, 2021, 1-11	1.9	1
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42	A Study on the Design and Implementation of an Improved AdaBoost Optimization Mathematical Algorithm Based on Recognition of Packaging Bottles. *Mathematical Problems in Engineering*, **2022**, 2022, 1-11	1.1	1
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37	An Empirical Study on the Growth of Agricultural Green Total Factor Productivity in the Huanghuai River Economic Zone by Big Data Computing. *Mathematical Problems in Engineering*, **2022**, 2022, 1-11	1.1	O
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34	Application of Adaptive Virtual Reality with AI-Enabled Techniques in Modern Sports Training. *Mobile Information Systems*, **2021**, 2021, 1-10	1.4	O
33	Construction of a Hierarchical Neural Network Power Source Model for Human Capital Technology Innovation and Benefit Distribution with Big Data Analysis. *Mathematical Problems in Engineering*, **2021**, 2021, 1-12	1.1	O
32	A New Online and Offline Blended Teaching System of College English Based on Computer Internet Technology. *Mathematical Problems in Engineering*, **2021**, 2021, 1-12	1.1	O
31	A Corpus-Based and Complex Computing Digital Media System for 3D Animation. *Wireless Communications and Mobile Computing*, **2021**, 2021, 1-12	1.9	O
30	An Empirical Study on the Employment Monitoring and Early Warning Mechanism of Medical Graduates in Universities with Big Data and Complex Computing System. *Discrete Dynamics in Nature and Society*, **2021**, 2021, 1-10	1.1	O
29	Safety Investment Decision Problem without Probability Distribution: A Robust Optimization Approach. *Mathematical Problems in Engineering*, **2020**, 2020, 1-10	1.1	
28	Network Design Algorithm Implementation for Resilient Transportation System under Continuous Risk Perturbation with Big Data Analysis. *Mathematical Problems in Engineering*, **2022**, 2022, 1-11	1.1	
27	Evaluation of the Effectiveness Computer-Assisted Language Teaching by Big Data Analysis. *Mathematical Problems in Engineering*, **2021**, 2021, 1-11	1.1	
26	A Practical Exploration of Constructive English Learning Platform Informatization Based on RBF Algorithm. *Mathematical Problems in Engineering*, **2021**, 2021, 1-10	1.1	
25	Economic Management Data Envelopes Based on the Clustering of Incomplete Data. *Mathematical Problems in Engineering*, **2021**, 2021, 1-12	1.1	
24	An Empirical Study on the Precise Employment Situation-Oriented Analysis of Digital-Driven Talents with Big Data Analysis. *Mathematical Problems in Engineering*, **2022**, 2022, 1-11	1.1	
23	Analysis and Research on Digital Reading Platform of Multimedia Library by Big Data Computing in Internet Era. *Wireless Communications and Mobile Computing*, **2022**, 2022, 1-10	1.9	
22	An Empirical Study on the Countermeasures of Implementing 5G Multimedia Network Technology in College Education. *Mobile Information Systems*, **2021**, 2021, 1-14	1.4	
21	Innovative Research on the Construction of Learners Emotional Cognitive Model in E-Learning by Big Data Analysis. *Mathematical Problems in Engineering*, **2021**, 2021, 1-9	1.1	
20	Research on Autoarrangement System of Accompaniment Chords Based on Hidden Markov Model with Machine Learning. *Mathematical Problems in Engineering*, **2021**, 2021, 1-10	1.1	

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18	Nonlinear Effect of Financial Efficiency and Financial Competition on Heterogeneous Firm R&D. *Advances in Environmental Engineering and Green Technologies Book Series*, **2019**, 297-320	0.4
17	An Empirical Study of a Mathematical Model for Influence of Government Tax on the Price Behavior and the Stability of Market Price. *Mathematical Problems in Engineering*, **2020**, 2020, 1-9	1.1
16	An Empirical Study on Big Data Model and Visualization of Internet+ Teaching. *Mathematical Problems in Engineering*, **2021**, 2021, 1-10	1.1
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