

Dong-Eun Lee

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2014774/publications.pdf>

Version: 2024-02-01

190
papers

2,645
citations

201674
27
h-index

330143
37
g-index

194
all docs

194
docs citations

194
times ranked

1663
citing authors

#	ARTICLE	IF	CITATIONS
1	Fatal accidents in nighttime vs. daytime highway construction work zones. Journal of Safety Research, 2007, 38, 399-405.	3.6	72
2	B2O3–Bi2O3–TeO2–BaO and TeO2–Bi2O3–BaO glass systems: a comparative assessment of gamma-ray and fast and thermal neutron attenuation aspects. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	69
3	Binary B2O3–Bi2O3 glasses: scrutinization of directly and indirectly ionizing radiations shielding abilities. Journal of Materials Research and Technology, 2020, 9, 14549-14567.	5.8	63
4	Estimation of gamma-rays, and fast and the thermal neutrons attenuation characteristics for bismuth tellurite and bismuth boro-tellurite glass systems. Journal of Materials Science, 2020, 55, 5750-5771.	3.7	60
5	Probability of Project Completion Using Stochastic Project Scheduling Simulation. Journal of Construction Engineering and Management - ASCE, 2005, 131, 310-318.	3.8	59
6	Automated Statistical Analysis in Stochastic Project Scheduling Simulation. Journal of Construction Engineering and Management - ASCE, 2006, 132, 268-277.	3.8	56
7	Assessing the corporate service quality performance of design-build contractors using quality function deployment. Construction Management and Economics, 2003, 21, 175-185.	3.0	53
8	Modeling the predictors of safety behavior in construction workers. International Journal of Occupational Safety and Ergonomics, 2015, 21, 298-311.	1.9	53
9	Artificial Neural Network–Based Slip-Trip Classifier Using Smart Sensor for Construction Workplace. Journal of Construction Engineering and Management - ASCE, 2016, 142, .	3.8	52
10	An Advanced Stochastic Time–Cost Tradeoff Analysis Based on a CPM–Guided Genetic Algorithm. Computer-Aided Civil and Infrastructure Engineering, 2015, 30, 824-842.	9.8	48
11	BIM-Based Registration and Localization of 3D Point Clouds of Indoor Scenes Using Geometric Features for Augmented Reality. Remote Sensing, 2020, 12, 2302.	4.0	36
12	Multi-channel convolutional neural network for integration of meteorological and geographical features in solar power forecasting. Applied Energy, 2021, 295, 117083.	10.1	36
13	Application of Various YOLO Models for Computer Vision-Based Real-Time Pothole Detection. Applied Sciences (Switzerland), 2021, 11, 11229.	2.5	36
14	Integrated Simulation System for Construction Operation and Project Scheduling. Journal of Computing in Civil Engineering, 2010, 24, 557-569.	4.7	34
15	Task planning strategy and path similarity analysis for an autonomous excavator. Automation in Construction, 2020, 112, 103108.	9.8	34
16	Quantitative health impact assessment of construction noise exposure on the nearby region for noise barrier optimization. Building and Environment, 2020, 176, 106869.	6.9	34
17	Polyethylene Glycol Coated Magnetic Nanoparticles: Hybrid Nanofluid Formulation, Properties and Drug Delivery Prospects. Nanomaterials, 2021, 11, 440.	4.1	34
18	Detailed Inspection of β -ray, Fast and Thermal Neutrons Shielding Competence of Calcium Oxide or Strontium Oxide Comprising Bismuth Borate Glasses. Materials, 2021, 14, 2265.	2.9	33

#	ARTICLE	IF	CITATIONS
19	Cobalt- and iron-coordinated graphitic carbon nitride on reduced graphene oxide: A nonprecious bimetallic Mâ€“N â€“C analogue electrocatalyst for efficient oxygen reduction reaction in acidic media. Applied Surface Science, 2020, 531, 147367.	6.1	32
20	Pressure pattern recognition in buildings using an unsupervised machine-learning algorithm. Journal of Wind Engineering and Industrial Aerodynamics, 2021, 214, 104629.	3.9	32
21	An empirical analysis of environmental pollutants on building construction sites for determining the real-time monitoring indices. Building and Environment, 2020, 170, 106636.	6.9	31
22	Development of a real-time automated monitoring system for managing the hazardous environmental pollutants at the construction site. Journal of Hazardous Materials, 2021, 402, 123483.	12.4	31
23	An integrated psychological score for occupants based on their perception and emotional response according to the windowsâ€™ outdoor view size. Building and Environment, 2020, 180, 107019.	6.9	30
24	Probing of nuclear radiation attenuation and mechanical features for lithium bismuth borate glasses with improving Bi ₂ O ₃ content for B ₂ O ₃ +Al ₂ O ₃ amounts. Results in Physics, 2021, 25, 104246.	4.1	30
25	Automated rebar diameter classification using point cloud data based machine learning. Automation in Construction, 2021, 122, 103476.	9.8	29
26	Porous g-C ₃ N ₄ -encapsulated TiO ₂ hollow sphere as a high-performance Z-scheme hybrid for solar-induced photocatalytic abatement of environmentally toxic pharmaceuticals. Journal of Materials Science and Technology, 2021, 82, 21-32.	10.7	28
27	Investigation of steel frame damage based on computer vision and deep learning. Automation in Construction, 2021, 132, 103941.	9.8	28
28	An Expert System for Auditing Quality Management Systems in Construction. Computer-Aided Civil and Infrastructure Engineering, 2011, 26, 612-631.	9.8	27
29	Analysis of the CO ₂ emission characteristics of earthwork equipment. KSCE Journal of Civil Engineering, 2015, 19, 1-9.	1.9	27
30	TeO ₂ +B ₂ O ₃ +ZnO+La ₂ O ₃ glasses: Î³-ray and neutron attenuation characteristics analysis by WinXCOM program, MCNP5, Geant4, and Penelope simulation codes. Ceramics International, 2020, 46, 16620-16635.	4.8	27
31	In-depth survey of nuclear radiation attenuation efficacies for high density bismuth lead borate glass system. Results in Physics, 2021, 23, 104030.	4.1	27
32	Analysis of fluorescence characteristics of Sm ³⁺ -doped B ₂ O ₃ -rich glasses for Orange-light-emitting diodes. Journal of Alloys and Compounds, 2021, 884, 161076.	5.5	27
33	Total Quality Performance of Design/Build Firms Using Quality Function Deployment. Journal of Construction Engineering and Management - ASCE, 2006, 132, 49-57.	3.8	26
34	Concurrent Construction Scheduling Simulation Algorithm. Computer-Aided Civil and Infrastructure Engineering, 2014, 29, 449-463.	9.8	26
35	Association Rules Mined from Construction Accident Data. KSCE Journal of Civil Engineering, 2018, 22, 1027-1039.	1.9	26
36	Illustration of distinct nuclear radiation transmission factors combined with physical and elastic characteristics of barium boro-bismuthate glasses. Results in Physics, 2021, 31, 105067.	4.1	26

#	ARTICLE	IF	CITATIONS
37	Task-based modeling method for construction business process modeling and automation. Automation in Construction, 2008, 17, 633-640.	9.8	25
38	Effect of Cyclic Loading Frequency on Liquefaction Prediction of Sand. Applied Sciences (Switzerland), 2020, 10, 4502.	2.5	25
39	Effect of Phosphate-Based Inhibitor on Corrosion Kinetics and Mechanism for Formation of Passive Film onto the Steel Rebar in Chloride-Containing Pore Solution. Materials, 2020, 13, 3642.	2.9	23
40	Sustainable Application of Hybrid Point Cloud and BIM Method for Tracking Construction Progress. Sustainability, 2020, 12, 4106.	3.2	23
41	Case Study of Solar Photovoltaic Power-Plant Site Selection for Infrastructure Planning Using a BIM-GIS-Based Approach. Applied Sciences (Switzerland), 2021, 11, 8785.	2.5	22
42	Ensemble Machine Learning-Based Approach for Predicting of FRP-Concrete Interfacial Bonding. Mathematics, 2022, 10, 231.	2.2	22
43	Comparison of sand liquefaction in cyclic triaxial and simple shear tests. Soils and Foundations, 2021, 61, 1071-1085.	3.1	21
44	Magnetically sensitive TiO ₂ hollow sphere/Fe ₃ O ₄ core-shell hybrid catalyst for high-performance sunlight-assisted photocatalytic degradation of aqueous antibiotic pollutants. Journal of Alloys and Compounds, 2022, 902, 163612.	5.5	20
45	Automated stochastic quality function deployment system for measuring the quality performance of design/build contractors. Automation in Construction, 2009, 18, 348-356.	9.8	19
46	Dy ³⁺ : B ₂ O ₃ -Al ₂ O ₃ -ZnF ₂ -NaF/LiF oxyfluoride glasses for cool white or day white light-emitting applications. Optical Materials, 2020, 108, 110186.	3.6	19
47	Isothermal crystallization kinetics of (Cu ₆₀ Zr ₂₅ Ti ₁₅) _{99.3} Nb _{0.7} bulk metallic glass. Scientific Reports, 2020, 10, 10577.	3.3	19
48	Field measurements for identification of modal parameters for high-rise buildings under construction or in use. Automation in Construction, 2021, 121, 103446.	9.8	19
49	Predicting wind flow around buildings using deep learning. Journal of Wind Engineering and Industrial Aerodynamics, 2021, 219, 104820.	3.9	19
50	Comparative assessment of fast and thermal neutrons and gamma radiation protection qualities combined with mechanical factors of different borate-based glass systems. Results in Physics, 2022, 37, 105527.	4.1	19
51	Fluorescence features of Tm ³⁺ -doped multicomponent borosilicate and borotellurite glasses for blue laser and S-band optical amplifier applications. Optical Materials, 2019, 96, 109354.	3.6	18
52	Ammonium Phosphate as Inhibitor to Mitigate the Corrosion of Steel Rebar in Chloride Contaminated Concrete Pore Solution. Molecules, 2020, 25, 3785.	3.8	18
53	Emotional impact, task performance and task load of green walls exposure in a virtual environment. Indoor Air, 2022, 32, .	4.3	18
54	Project risk assessment model combining the fuzzy weighted average principle with a similarity measure. KSCE Journal of Civil Engineering, 2014, 18, 521-530.	1.9	17

#	ARTICLE	IF	CITATIONS
55	Optimal cut-fill pairing and sequencing method in earthwork operation. Automation in Construction, 2018, 87, 60-73.	9.8	17
56	Assessment of gamma-rays and fast neutron beam attenuation features of Er ₂ O ₃ -doped B ₂ O ₃ -ZnO-Bi ₂ O ₃ glasses using XCOM and simulation codes (MCNP5 and Geant4). Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	17
57	Life Cycle Assessment for the Production Phase of Nano-Silica-Modified Asphalt Mixtures. Applied Sciences (Switzerland), 2019, 9, 1315.	2.5	17
58	Comparative study of gamma-ray shielding features and some properties of different heavy metal oxide-based tellurite-rich glass systems. Radiation Physics and Chemistry, 2020, 170, 108633.	2.8	17
59	Effect of vertical effective and initial static shear stresses on the liquefaction resistance of sands in cyclic direct simple shear tests. Soils and Foundations, 2020, 60, 1588-1607.	3.1	17
60	The Integration of Earthwork Design Review and Planning Using UAV-Based Point Cloud and BIM. Applied Sciences (Switzerland), 2021, 11, 3435.	2.5	17
61	Ad-hoc performance of wireless sensor network for large scale civil and construction engineering applications. Automation in Construction, 2012, 26, 32-45.	9.8	16
62	Chemically Induced Calcium Carbonate Precipitation for Improving Strength of Sand. Journal of Materials in Civil Engineering, 2020, 32, .	2.9	16
63	Wind-Induced Pressure Prediction on Tall Buildings Using Generative Adversarial Imputation Network. Sensors, 2021, 21, 2515.	3.8	16
64	Evaluating the Quality Performance of Pavement Contractors. Journal of Construction Engineering and Management - ASCE, 2012, 138, 1114-1124.	3.8	15
65	Sustainable design model for analysis of relationships among building height, CO ₂ emissions, and cost of core walls in office buildings in Korea. Building and Environment, 2019, 150, 289-296.	6.9	15
66	Eu ³⁺ -doped fluoro-telluroborate glasses as red-emitting components for W-LEDs application. Optical Materials, 2020, 99, 109555.	3.6	15
67	Analysis of Musculoskeletal Disorders and Muscle Stresses on Construction Workers'™ Awkward Postures Using Simulation. Sustainability, 2020, 12, 5693.	3.2	15
68	Towards environmental sustainability in the local community: Future insights for managing the hazardous pollutants at construction sites. Journal of Hazardous Materials, 2021, 403, 123804.	12.4	15
69	Analysis of physical and mechanical traits and nuclear radiation transmission aspects of Gallium(III) trioxide constituting Bi ₂ O ₃ -B ₂ O ₃ glasses. Results in Physics, 2021, 30, 104899.	4.1	15
70	The probability distribution of project completion times in simulation-based scheduling. KSCE Journal of Civil Engineering, 2013, 17, 638-645.	1.9	14
71	Exact Time-Cost Tradeoff Analysis in Concurrency-Based Scheduling. Journal of Construction Engineering and Management - ASCE, 2016, 142, .	3.8	14
72	Li ₂ O-B ₂ O ₃ -Bi ₂ O ₃ glasses: gamma-rays and neutrons attenuation study using ParShield/WinXCOM program and Geant4 and Penelope codes. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	14

#	ARTICLE	IF	CITATIONS
73	Development of a prediction model for the proportion of buildings exposed to construction noise in excess of the construction noise regulation at urban construction sites. Automation in Construction, 2021, 125, 103656.	9.8	14
74	Pr ³⁺ -doped B ₂ O ₃ -Bi ₂ O ₃ -ZnO-NaF glasses comprising alkali/mixed alkali oxides for potential warm white light generation, blue laser, and E+S+C-optical bands amplification applications. Journal of Materials Research and Technology, 2021, , .	5.8	14
75	Er ³⁺ -doped SiO ₂ -based glasses “An exploration of structural, visible, chromatic, and NIR fluorescence characteristics. Materials Research Bulletin, 2022, 147, 111634.	5.2	14
76	Cu@Ni core-shell bimetallic cocatalyst decorated polymeric carbon nitride for highly efficient and selective methane production from photocatalytic CO ₂ reduction. Applied Surface Science, 2022, 599, 153973.	6.1	14
77	Identifying the strengths, weaknesses, opportunities and threats to TOT and divestiture business models in China's water market. International Journal of Project Management, 2014, 32, 298-314.	5.6	13
78	Automated noise exposure assessment model for the health of construction workers. Automation in Construction, 2021, 126, 103657.	9.8	13
79	Importance of Image Enhancement and CDF for Fault Assessment of Photovoltaic Module Using IR Thermal Image. Applied Sciences (Switzerland), 2021, 11, 8388.	2.5	13
80	Rapid Post-Earthquake Structural Damage Assessment Using Convolutional Neural Networks and Transfer Learning. Sensors, 2022, 22, 3471.	3.8	13
81	Stochastic Project Financing Analysis System for Construction. Journal of Construction Engineering and Management - ASCE, 2012, 138, 376-389.	3.8	12
82	Dynamic Compensation of Path Length Difference in Optical Coherence Tomography by an Automatic Temperature Control System of Optical Fiber. IEEE Access, 2020, 8, 77501-77510.	4.2	12
83	3D Point Cloud and BIM-Based Reconstruction for Evaluation of Project by As-Planned and As-Built. Remote Sensing, 2020, 12, 1457.	4.0	12
84	A Simple and Sustainable Prediction Method of Liquefaction-Induced Settlement at Pohang Using an Artificial Neural Network. Sustainability, 2020, 12, 4001.	3.2	11
85	Duration Estimate at Completion: Improving Earned Value Management Forecasting Accuracy. KSCE Journal of Civil Engineering, 2020, 24, 693-702.	1.9	11
86	Survey of optical and fluorescence traits of Tm ³⁺ -doped alkali/mixed alkali oxides constituting B ₂ O ₃ -BaO-ZnO-LiF glasses for 0.45Å ^{1/4} m laser and 1.46Å ^{1/4} m fiber amplifier. Results in Physics, 2021, 26, 104343.	4.1	11
87	Advanced Real-Time Pollutant Monitoring Systems for Automatic Environmental Management of Construction Projects Focusing on Field Applicability. Journal of Management in Engineering - ASCE, 2022, 38, .	4.8	11
88	Current Status and Future Directions of Deep Learning Applications for Safety Management in Construction. Sustainability, 2021, 13, 13579.	3.2	11
89	STOCHASTIC CARBON EMISSION ESTIMATION METHOD FOR CONSTRUCTION OPERATION. Journal of Civil Engineering and Management, 2016, 23, 137-149.	3.5	10
90	A study on analysis of the environmental load impact factors in the planning stage for highway project. KSCE Journal of Civil Engineering, 2016, 20, 2162-2169.	1.9	10

#	ARTICLE	IF	CITATIONS
91	Reckoning of nuclear radiation attenuation capabilities for binary GeO ₂ -TiO ₂ , GeO ₂ -Bi ₂ O ₃ , and ternary GeO ₂ -TiO ₂ -Bi ₂ O ₃ glasses utilizing pertinent theoretical and computational approaches. Optical Materials, 2020, 108, 110113.	3.6	10
92	An Overview on Graphene-Metal Oxide Semiconductor Nanocomposite: A Promising Platform for Visible Light Photocatalytic Activity for the Treatment of Various Pollutants in Aqueous Medium. Molecules, 2020, 25, 5380.	3.8	10
93	Assessment of the Inner Surface Roughness of 3D Printed Dental Crowns via Optical Coherence Tomography Using a Roughness Quantification Algorithm. IEEE Access, 2020, 8, 133854-133864.	4.2	10
94	Optical and visible and near-infrared fluorescence aspects of Er ³⁺ , Tm ³⁺ , and Nd ³⁺ -doped B ₂ O ₃ -rich glasses for fiber amplifiers and NIR lasers. Journal of Materials Research and Technology, 2022, 18, 658-680.	5.8	10
95	STOCHASTIC QUALITY-COST OPTIMIZATION SYSTEM HYBRIDIZING MULTI-OBJECTIVE GENETIC ALGORITHM AND QUALITY FUNCTION DEPLOYMENT. Journal of Civil Engineering and Management, 2015, 21, 407-422.	3.5	9
96	Integrated carbon emission estimation method for construction operation and project scheduling. KSCE Journal of Civil Engineering, 2016, 20, 1211-1220.	1.9	9
97	Strength characteristics of spent coffee grounds and oyster shells cemented with GGBS-based alkaline-activated materials. Construction and Building Materials, 2021, 267, 120986.	7.2	9
98	Geometrical model based scan planning approach for the classification of rebar diameters. Automation in Construction, 2021, 130, 103848.	9.8	9
99	The structural analysis between safety factors having an effect on the construction workers' behavior. Korean Journal of Construction Engineering and Management, 2013, 14, 101-114.	0.1	9
100	Structurally engineered vitamin B12 on graphene as a bioinspired metal-organic framework-based electrocatalyst for effective overall water splitting in alkaline media. Applied Surface Science, 2022, 575, 151729.	6.1	9
101	An optimal implementation strategy of the multi-function window considering the nonlinearity of its technical-environmental-economic performance by window ventilation system size. Building and Environment, 2019, 161, 106234.	6.9	8
102	Assessment of Pohang Earthquake-Induced Liquefaction at Youngil-Man Port Using the UBSCAND2 Model. Applied Sciences (Switzerland), 2020, 10, 5424.	2.5	8
103	Applicability of Formwork Automation Design Software for Aluminum Formwork. Applied Sciences (Switzerland), 2020, 10, 9029.	2.5	8
104	Preparation of PP/2D-Nanosheet Composites Using MoS ₂ /MgCl ₂ - and BN/MgCl ₂ -Bisupported Ziegler-Natta Catalysts. Catalysts, 2020, 10, 596.	3.5	8
105	Development and Application of Precast Concrete Double Wall System to Improve Productivity of Retaining Wall Construction. Sustainability, 2020, 12, 3454.	3.2	8
106	Crystallization kinetics of Cu ₆₀ Zr ₂₅ Ti ₁₅ and (Cu ₆₀ Zr ₂₅ Ti ₁₅) ₉₅ Ni ₅ bulk metallic glasses by differential scanning calorimetry (DSC). Journal of Thermal Analysis and Calorimetry, 2021, 145, 467-474.	3.6	8
107	Multi-objective sustainable design model for integrating CO ₂ emissions and costs for slabs in office buildings. Structure and Infrastructure Engineering, 2020, 16, 1096-1105.	3.7	7
108	Effect of Formwork Removal Time Reduction on Construction Productivity Improvement by Mix Design of Early Strength Concrete. Applied Sciences (Switzerland), 2020, 10, 7046.	2.5	7

#	ARTICLE	IF	CITATIONS
109	Optical Interferometric Fringe Pattern-Incorporated Spectrum Calibration Technique for Enhanced Sensitivity of Spectral Domain Optical Coherence Tomography. <i>Sensors</i> , 2020, 20, 2067.	3.8	7
110	Aerodynamic Characteristics and Lateral Displacements of a Set of Two Buildings in a Linked Tall Building System. <i>Sensors</i> , 2021, 21, 4046.	3.8	7
111	Developing the Path Model defining the Relationship between Construction Worker's Personal Characteristics and Safety Behaviors. <i>Journal of the Korea Institute of Building Construction</i> , 2013, 13, 169-180.	0.1	7
112	Size-dependent selectivity and activity of highly dispersed sub-nanometer Pt clusters integrated with P25 for CO ₂ photoreduction into methane fuel. <i>Applied Surface Science</i> , 2022, 584, 152532.	6.1	7
113	An Automated Image-Based Multivariant Concrete Defect Recognition Using a Convolutional Neural Network with an Integrated Pooling Module. <i>Sensors</i> , 2022, 22, 3118.	3.8	7
114	Assessment of optical and fluorescence aspects of Er ³⁺ -doped multicomponent B ₂ O ₃ glasses as active media for 1.532-μm near-infrared optical amplifiers. <i>Journal of Materials Research and Technology</i> , 2022, 18, 3457-3477.	5.8	7
115	Advanced Stochastic Schedule Simulation System. <i>Civil Engineering and Environmental Systems</i> , 2011, , 1-18.	0.9	6
116	Stochastic Optimal Haul-Route Searching Method Based on Genetic Algorithm and Simulation. <i>Journal of Computing in Civil Engineering</i> , 2016, 30, .	4.7	6
117	Stochastic Multi-variate Performance Trade-off Method for Technical Tender Evaluation. <i>KSCE Journal of Civil Engineering</i> , 2018, 22, 4240-4253.	1.9	6
118	Luminescence properties of reddish orange emitting BaLa ₂ ZnO ₅ :Sm ³⁺ phosphor prepared by citric based sol-gel synthesis. <i>Solid State Sciences</i> , 2019, 98, 106042.	3.2	6
119	Dy ³⁺ : B ₂ O ₃ -Al ₂ O ₃ -ZnO-Bi ₂ O ₃ -BaO-M ₂ O (M = Li; Na; and K) glasses: Judd-Ofelt analysis and photoluminescence investigation for WLED applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 2481-2496.	2.2	6
120	Durability and Strength Characteristics of Casein-Cemented Sand with Slag. <i>Materials</i> , 2020, 13, 3182.	2.9	6
121	Assessment of Optimum CaO Content Range for High Volume FA Based Concrete Considering Durability Properties. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6944.	2.5	6
122	The Effects of Fineness and TEA-Based Chemical Admixture on Early Strength Development of Concrete in Construction Site Applications. <i>Materials</i> , 2020, 13, 2027.	2.9	6
123	Enhanced compressive strength of rammed earth walls stabilized with eco-friendly multi-functional polymeric system. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 152, 111681.	16.4	6
124	A Study on the Red Clay Binder Stabilized with a Polymer Aqueous Solution. <i>Polymers</i> , 2021, 13, 54.	4.5	6
125	Multivariate Analysis of Concrete Image Using Thermography and Edge Detection. <i>Sensors</i> , 2021, 21, 7396.	3.8	6
126	Construction noise rating based on legal and health impacts. <i>Automation in Construction</i> , 2022, 134, 104053.	9.8	6

#	ARTICLE	IF	CITATIONS
127	Derivation and structural analysis of a three-input interval type-2 TS fuzzy PID controller. Soft Computing, 2022, 26, 589-603.	3.6	6
128	An automatic decision model for optimal noise barrier plan in terms of health impact, productivity, and cost aspects. Building and Environment, 2022, 216, 109033.	6.9	6
129	Crystal growth and visible fluorescence and energy transfer features of Dy ³⁺ /RE ³⁺ (RE = Tb,) Tj ETQq1 1 0.784314,rgBT /Overlock 10	3.1	6
130	Graduate construction management programs in the U.S.: Lessons learned from leading institutions. KSCE Journal of Civil Engineering, 2013, 17, 1664-1671.	1.9	5
131	Study on Physical Properties of Mortar for Section Restoration Using Calcium Nitrite and CO ₂ Nano-Bubble Water. Materials, 2020, 13, 3897.	2.9	5
132	Performance Evaluation of Red Clay Binder with Epoxy Emulsion for Autonomous Rammed Earth Construction. Polymers, 2020, 12, 2050.	4.5	5
133	Model matching of input/state asynchronous sequential machines with actuator saturation and bounded delays. Automatica, 2020, 120, 109134.	5.0	4
134	Electrically Conductive Nanocomposites Composed of Styrene- <i>acrylonitrile</i> Copolymer and rGO via Free-Radical Polymerization. Polymers, 2020, 12, 1221.	4.5	4
135	System Dynamics Model for the Improvement Planning of School Building Conditions. Sustainability, 2020, 12, 4235.	3.2	4
136	Robust corrective control against a class of actuator attacks in input/state asynchronous sequential machines. Journal of the Franklin Institute, 2021, 358, 1403-1421.	3.4	4
137	Facile Use of Silver Nanoparticles-Loaded Alumina/Silica in Nanofluid Formulations for Enhanced Catalytic Performance toward 4-Nitrophenol Reduction. International Journal of Environmental Research and Public Health, 2021, 18, 2994.	2.6	4
138	Eco-friendly and economically optimal design model (EEODM) to reduce the CO ₂ emissions and the cost of long-span waffle slabs. Journal of Cleaner Production, 2021, 296, 126367.	9.3	4
139	Numerical Analysis of Shear and Particle Crushing Characteristics in Ring Shear System Using the PFC2D. Materials, 2021, 14, 229.	2.9	4
140	Metal- and non-metal-incorporated vitamin B12 on graphene as a bio-derived electrocatalyst for the high-performance oxygen reduction reaction in acidic media. Journal of Alloys and Compounds, 2022, 912, 165118.	5.5	4
141	Effect of changes in the construction economy on worker's operating rates and productivity. KSCE Journal of Civil Engineering, 2014, 18, 419-429.	1.9	3
142	Selection method for environmental equipment combination for paving work. KSCE Journal of Civil Engineering, 2017, 21, 593-602.	1.9	3
143	Development of environmental load-estimating model for road planning phase: Focus on road earthwork. KSCE Journal of Civil Engineering, 2018, 22, 459-466.	1.9	3
144	Measurement of Unit Weight of Dry Sand Using Piezoelectric Sensor. Applied Sciences (Switzerland), 2018, 8, 2277.	2.5	3

#	ARTICLE	IF	CITATIONS
145	Environmental Performance Analysis and Economic Perspectives of Concrete Girders. KSCE Journal of Civil Engineering, 2019, 23, 4592-4600.	1.9	3
146	Structural Damage Identification with a Tuning-free Hybrid Extended Kalman Filter. Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE), 2021, 31, 391-405.	0.8	3
147	Fabrication of highly thermal conductive PA6/hBN composites via in-situ polymerization process. Journal of Polymer Research, 2021, 28, 1.	2.4	3
148	Stochastic resource leveling optimization method for trading off float consumption and project completion probability. Computer-Aided Civil and Infrastructure Engineering, 2021, 36, 1013-1033.	9.8	3
149	Application of an Acrylic Polymer and Epoxy Emulsion to Red Clay and Sand. Polymers, 2021, 13, 3410.	4.5	3
150	Fabrication of PA6/MoS2 nanocomposites via melt blending of PA6 with PA6/PEG modified-MoS2 masterbatch. Polymer Bulletin, 2022, 79, 10639-10652.	3.3	3
151	Ergonomic Risk Assessment of Aluminum Form Workersâ€™ Musculoskeletal Disorder at Construction Workstations Using Simulation. Sustainability, 2022, 14, 4356.	3.2	3
152	Vibration safety evaluation model and sensor network-based monitoring system for coke drums in operation. Journal of Asian Architecture and Building Engineering, 2023, 22, 1399-1412.	2.0	3
153	Construction Business Automation System. Journal of Construction Engineering and Management - ASCE, 2006, 132, 88-96.	3.8	2
154	Eco-economic excavator configuration method. Automation in Construction, 2018, 86, 138-149.	9.8	2
155	Methodology for Evaluation of Residual Stress Effect on Small Corner-Crack Initiation and Growth. Materials, 2019, 12, 2904.	2.9	2
156	Shrinkage and Durability Evaluation of Environmental Load-Reducing FRPCM by Using Silicone Oil. Materials, 2019, 12, 1240.	2.9	2
157	Non-Invasive Optical Screening of <i>Streptococcus Pneumonia</i> Based Inflammatory Changes of the Tympanic Membrane and Mastoid Mucosa in Guinea Pig Otitis Media Using Optical Coherence Tomography. IEEE Photonics Journal, 2020, 12, 1-11.	2.0	2
158	Aggregate Roundness Classification Using a Wire Mesh Method. Materials, 2020, 13, 3682.	2.9	2
159	Environmental and Cost Impact Assessment of Pavement Materials Using IBEES Method. Sustainability, 2021, 13, 1836.	3.2	2
160	Analyzing the Engagement of Professional Construction Managers in Construction Management firm and Its Improvement Measures. Korean Journal of Construction Engineering and Management, 2013, 14, 87-95.	0.1	2
161	Estimating Productivity of AL-Form Operation Using Web-CYCLONE System. Korean Journal of Construction Engineering and Management, 2013, 14, 115-122.	0.1	2
162	Earthmoving Haul-Route Searching Method for Energy Saving based on Evolutionary Algorithm. Journal of the Architectural Institute of Korea Structure and Construction, 2015, 31, 81-88.	0.1	2

#	ARTICLE	IF	CITATIONS
163	A Construction Business Automation System (CBAS). , 2005, , 1.		1
164	Stochastic dozer productivity estimation method. KSCE Journal of Civil Engineering, 2017, 21, 1573-1580.	1.9	1
165	Economical Auto Moment Limiter for Preventing Mobile Cargo Crane Overload. Sensors, 2020, 20, 6355.	3.8	1
166	Development and Application of Motor-Equipped Reaction Torque Sensor with Adjustable Measurement Range and Sensitivity. Applied Sciences (Switzerland), 2020, 10, 8770.	2.5	1
167	Inter-Floor Noise Monitoring System for Multi-Dwelling Houses Using Smartphones. Sustainability, 2020, 12, 5065.	3.2	1
168	Delayed Model Matching of Asynchronous Sequential Machines With Discrepancy in the Initial State. International Journal of Control, Automation and Systems, 2021, 19, 1578-1587.	2.7	1
169	Analysis of Environment Emission Characteristics Each Construction Type for Road Field. Journal of the Korean Society of Civil Engineers, 2017, 37, 143-151.	0.1	1
170	Identifying the perception on the introducing of Construction Management(CM) in the civil infrastructure project delivery system. Korean Journal of Construction Engineering and Management, 2013, 14, 91-100.	0.1	1
171	Multi-objective Optimization System for Time-Cost-Environment-Quality Trade-off in Construction Project. Journal of the Architectural Institute of Korea Structure and Construction, 2015, 31, 79-88.	0.1	1
172	Construction Equipment Fleet Optimization for Energy Saving in Earthmoving Operation. Journal of the Architectural Institute of Korea Structure and Construction, 2015, 31, 137-144.	0.1	1
173	Evaluation of Compressive Strength and Thermal Conductivity of Sand Stabilized with Epoxy Emulsion and Polymer Solution. Polymers, 2022, 14, 1964.	4.5	1
174	Statistical Analyses for Simulating Schedule Networks. , 0, , .		0
175	Development of Eco-VE Function for Construction. Procedia Engineering, 2016, 161, 738-746.	1.2	0
176	Dozer Workability Estimation Method for Economic Dozing. Journal of Construction Engineering and Management - ASCE, 2017, 143, 04016096.	3.8	0
177	Development of Environmental Load Estimation Model for Road Drainage Systems in the Early Design Phase. IOP Conference Series: Materials Science and Engineering, 2017, 245, 022014.	0.6	0
178	Laser-stimulated birefringence of Ga2O3-La2S2.95Se0.05 glasses for optical recording of information. Results in Physics, 2019, 13, 102349.	4.1	0
179	Dozer Productivity Correction Method for Eco-Dozing Assessment. KSCE Journal of Civil Engineering, 2019, 23, 2829-2838.	1.9	0
180	Coordinated corrective control for model matching of asynchronous sequential machines. International Journal of Systems Science, 2020, 51, 2899-2908.	5.5	0

#	ARTICLE	IF	CITATIONS
181	Model matching inclusion for input/state asynchronous sequential machines with constraint on the length of control input sequences. Journal of the Franklin Institute, 2021, 358, 1273-1290.	3.4	0
182	Effective 1.9â€“2.1 μ m emissions in Er ³⁺ /Ho ³⁺ : GGG and Er ³⁺ /Tm ³⁺ : GGG crystals sensitized with Er ³⁺ . Journal of Luminescence, 2021, 238, 118309.	3.1	0
183	Effect of Wetting Conditions on the In Situ Density of Soil Using the Sand-Cone Method. Applied Sciences (Switzerland), 2021, 11, 718.	2.5	0
184	Study on the Increase of the Supporting Capacity of a Cement Milk Pile with Expansive Additives. Applied Sciences (Switzerland), 2021, 11, 9922.	2.5	0
185	Economic Evaluation System for Deteriorated Military Facilities. Journal of the Korea Institute of Building Construction, 2013, 13, 181-192.	0.1	0
186	Exact Solution Computation Model for Time-Cost Tradeoff Analysis. Journal of the Architectural Institute of Korea Structure and Construction, 2015, 31, 63-71.	0.1	0
187	Developing IoT-based Construction Progress Measurement Prototype. Journal of the Architectural Institute of Korea Structure and Construction, 2015, 31, 79-89.	0.1	0
188	Optimal Tractor-Blade Configuration Planning System for Eco-Economic Dozing. Journal of the Architectural Institute of Korea Structure and Construction, 2016, 32, 73-81.	0.1	0
189	Configuring Excavator Attachments for Eco-Operation. Journal of the Korean Society of Civil Engineers, 2016, 36, 325-332.	0.1	0
190	Masonry Operation Model using Non-stationary Task Times. Journal of the Architectural Institute of Korea Structure and Construction, 2017, 33, 59-69.	0.1	0