

Dong-Eun Lee

List of Publications by Year in descending order

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Version: 2024-02-01

190
papers

2,645
citations

201674

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h-index

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194
all docs

194
docs citations

194
times ranked

1663
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Emotional impact, task performance and task load of green walls exposure in a virtual environment. Indoor Air, 2022, 32, .	4.3	18
4	Structurally engineered vitamin B12 on graphene as a bioinspired metalâ€“Nâ€“C-based electrocatalyst for effective overall water splitting in alkaline media. Applied Surface Science, 2022, 575, 151729.	6.1	9
5	Er3+-doped SiO2-based glasses â€“ An exploration of structural, visible, chromatic, and NIR fluorescence characteristics. Materials Research Bulletin, 2022, 147, 111634.	5.2	14
6	Construction noise rating based on legal and health impacts. Automation in Construction, 2022, 134, 104053.	9.8	6
7	Ensemble Machine Learning-Based Approach for Predicting of FRPâ€“Concrete Interfacial Bonding. Mathematics, 2022, 10, 231.	2.2	22
8	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
9	Derivation and structural analysis of a three-input interval type-2 TS fuzzy PID controller. Soft Computing, 2022, 26, 589-603.	3.6	6
10	Magnetically sensitive TiO2 hollow sphere/Fe3O4 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
11	Size-dependent selectivity and activity of highly dispersed sub-nanometer Pt clusters integrated with P25 for CO2 photoreduction into methane fuel. Applied Surface Science, 2022, 584, 152532.	6.1	7
12	Ergonomic Risk Assessment of Aluminum Form Workersâ€™ Musculoskeletal Disorder at Construction Workstations Using Simulation. Sustainability, 2022, 14, 4356.	3.2	3
13	Optical and visible and near-infrared fluorescence aspects of Er3+, Tm3+, and Nd3+-doped B2O3-rich glasses for fiber amplifiers and NIR lasers. Journal of Materials Research and Technology, 2022, 18, 658-680.	5.8	10
14	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
15	Crystal growth and visible fluorescence and energy transfer features of Dy3+/RE3+ (RE = Tb,) Tj ETQq1 1 0.784314,rgBT /Overlock 10	3.9	6
16	An Automated Image-Based Multivariant Concrete Defect Recognition Using a Convolutional Neural Network with an Integrated Pooling Module. Sensors, 2022, 22, 3118.	3.8	7
17	Assessment of optical and fluorescence aspects of Er3+-doped multicomponent B2O3 glasses as active media for 1.532Âµm near-infrared optical amplifiers. Journal of Materials Research and Technology, 2022, 18, 3457-3477.	5.8	7
18	Evaluation of Compressive Strength and Thermal Conductivity of Sand Stabilized with Epoxy Emulsion and Polymer Solution. Polymers, 2022, 14, 1964.	4.5	1

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19	Rapid Post-Earthquake Structural Damage Assessment Using Convolutional Neural Networks and Transfer Learning. <i>Sensors</i> , 2022, 22, 3471.	3.8	13
20	Comparative assessment of fast and thermal neutrons and gamma radiation protection qualities combined with mechanical factors of different borate-based glass systems. <i>Results in Physics</i> , 2022, 37, 105527.	4.1	19
21	Metal- and non-metal-incorporated vitamin B12 on graphene as a bio-derived electrocatalyst for the high-performance oxygen reduction reaction in acidic media. <i>Journal of Alloys and Compounds</i> , 2022, 912, 165118.	5.5	4
22	Cu@Ni core-shell bimetallic cocatalyst decorated polymeric carbon nitride for highly efficient and selective methane production from photocatalytic CO ₂ reduction. <i>Applied Surface Science</i> , 2022, 599, 153973.	6.1	14
23	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). <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 145, 467-474.	3.6	8
24	Development of a real-time automated monitoring system for managing the hazardous environmental pollutants at the construction site. <i>Journal of Hazardous Materials</i> , 2021, 402, 123483.	12.4	31
25	Towards environmental sustainability in the local community: Future insights for managing the hazardous pollutants at construction sites. <i>Journal of Hazardous Materials</i> , 2021, 403, 123804.	12.4	15
26	Strength characteristics of spent coffee grounds and oyster shells cemented with GGBS-based alkaline-activated materials. <i>Construction and Building Materials</i> , 2021, 267, 120986.	7.2	9
27	Automated rebar diameter classification using point cloud data based machine learning. <i>Automation in Construction</i> , 2021, 122, 103476.	9.8	29
28	Robust corrective control against a class of actuator attacks in input/state asynchronous sequential machines. <i>Journal of the Franklin Institute</i> , 2021, 358, 1403-1421.	3.4	4
29	Field measurements for identification of modal parameters for high-rise buildings under construction or in use. <i>Automation in Construction</i> , 2021, 121, 103446.	9.8	19
30	Structural Damage Identification with a Tuning-free Hybrid Extended Kalman Filter. <i>Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE)</i> , 2021, 31, 391-405.	0.8	3
31	Fabrication of highly thermal conductive PA6/hBN composites via in-situ polymerization process. <i>Journal of Polymer Research</i> , 2021, 28, 1.	2.4	3
32	Model matching inclusion for input/state asynchronous sequential machines with constraint on the length of control input sequences. <i>Journal of the Franklin Institute</i> , 2021, 358, 1273-1290.	3.4	0
33	Environmental and Cost Impact Assessment of Pavement Materials Using IBEES Method. <i>Sustainability</i> , 2021, 13, 1836.	3.2	2
34	Polyethylene Glycol Coated Magnetic Nanoparticles: Hybrid Nanofluid Formulation, Properties and Drug Delivery Prospects. <i>Nanomaterials</i> , 2021, 11, 440.	4.1	34
35	Delayed Model Matching of Asynchronous Sequential Machines With Discrepancy in the Initial State. <i>International Journal of Control, Automation and Systems</i> , 2021, 19, 1578-1587.	2.7	1
36	Facile Use of Silver Nanoparticles-Loaded Alumina/Silica in Nanofluid Formulations for Enhanced Catalytic Performance toward 4-Nitrophenol Reduction. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 2994.	2.6	4

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37	The Integration of Earthwork Design Review and Planning Using UAV-Based Point Cloud and BIM. Applied Sciences (Switzerland), 2021, 11, 3435.	2.5	17
38	Wind-Induced Pressure Prediction on Tall Buildings Using Generative Adversarial Imputation Network. Sensors, 2021, 21, 2515.	3.8	16
39	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
40	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
41	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
42	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
43	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
44	Aerodynamic Characteristics and Lateral Displacements of a Set of Two Buildings in a Linked Tall Building System. Sensors, 2021, 21, 4046.	3.8	7
45	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 -Li ₂ O amounts. Results in Physics, 2021, 25, 104246.	4.1	30
46	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
47	Automated noise exposure assessment model for the health of construction workers. Automation in Construction, 2021, 126, 103657.	9.8	13
48	Pressure pattern recognition in buildings using an unsupervised machine-learning algorithm. Journal of Wind Engineering and Industrial Aerodynamics, 2021, 214, 104629.	3.9	32
49	Survey of optical and fluorescence traits of Tm ³⁺ -doped alkali/mixed alkali oxides constituting B ₂ O ₃ -BaO-ZnO-LiF glasses for 0.45 μ m laser and 1.46 μ m fiber amplifier. Results in Physics, 2021, 26, 104343. ^{4.1}	4.1	11
50	Multi-channel convolutional neural network for integration of meteorological and geographical features in solar power forecasting. Applied Energy, 2021, 295, 117083.	10.1	36
51	Comparison of sand liquefaction in cyclic triaxial and simple shear tests. Soils and Foundations, 2021, 61, 1071-1085.	3.1	21
52	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
53	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
54	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

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55	Effective 1.9â€“2.1 Î¼m 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
56	Geometrical model based scan planning approach for the classification of rebar diameters. Automation in Construction, 2021, 130, 103848.	9.8	9
57	Investigation of steel frame damage based on computer vision and deep learning. Automation in Construction, 2021, 132, 103941.	9.8	28
58	Enhanced compressive strength of rammed earth walls stabilized with eco-friendly multi-functional polymeric system. Renewable and Sustainable Energy Reviews, 2021, 152, 111681.	16.4	6
59	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
60	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
61	Numerical Analysis of Shear and Particle Crushing Characteristics in Ring Shear System Using the PFC2D. Materials, 2021, 14, 229.	2.9	4
62	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
63	Application of an Acrylic Polymer and Epoxy Emulsion to Red Clay and Sand. Polymers, 2021, 13, 3410.	4.5	3
64	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
65	A Study on the Red Clay Binder Stabilized with a Polymer Aqueous Solution. Polymers, 2021, 13, 54.	4.5	6
66	Multivariate Analysis of Concrete Image Using Thermography and Edge Detection. Sensors, 2021, 21, 7396.	3.8	6
67	Predicting wind flow around buildings using deep learning. Journal of Wind Engineering and Industrial Aerodynamics, 2021, 219, 104820.	3.9	19
68	Application of Various YOLO Models for Computer Vision-Based Real-Time Pothole Detection. Applied Sciences (Switzerland), 2021, 11, 11229.	2.5	36
69	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
70	Current Status and Future Directions of Deep Learning Applications for Safety Management in Construction. Sustainability, 2021, 13, 13579.	3.2	11
71	Dy ³⁺ : B ₂ O ₃ â€“Al ₂ O ₃ â€“ZnOâ€“Bi ₂ O ₃ â€“BaOâ€“M ₂ O (M=Li; Na; and K) glasses: Juddâ€“Ofelt analysis and photoluminescence investigation for WLED applications. Journal of Materials Science: Materials in Electronics, 2020, 31, 2481-2496.	2.2	6
72	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

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73	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
74	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
75	Eu ³⁺ -doped fluoro-telluroborate glasses as red-emitting components for W-LEDs application. Optical Materials, 2020, 99, 109555.	3.6	15
76	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
77	Effect of Cyclic Loading Frequency on Liquefaction Prediction of Sand. Applied Sciences (Switzerland), 2020, 10, 4502.	2.5	25
78	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
79	Model matching of input/state asynchronous sequential machines with actuator saturation and bounded delays. Automatica, 2020, 120, 109134.	5.0	4
80	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
81	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
82	Economical Auto Moment Limiter for Preventing Mobile Cargo Crane Overload. Sensors, 2020, 20, 6355.	3.8	1
83	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
84	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
85	Analysis of Musculoskeletal Disorders and Muscle Stresses on Construction Workers' Awkward Postures Using Simulation. Sustainability, 2020, 12, 5693.	3.2	15
86	Durability and Strength Characteristics of Casein-Cemented Sand with Slag. Materials, 2020, 13, 3182.	2.9	6
87	Cobalt- and iron-coordinated graphitic carbon nitride on reduced graphene oxide: A nonprecious bimetallic M-N-C analogue electrocatalyst for efficient oxygen reduction reaction in acidic media. Applied Surface Science, 2020, 531, 147367.	6.1	32
88	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
89	Binary B ₂ O ₃ -Bi ₂ O ₃ glasses: scrutinization of directly and indirectly ionizing radiations shielding abilities. Journal of Materials Research and Technology, 2020, 9, 14549-14567.	5.8	63
90	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

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91	Coordinated corrective control for model matching of asynchronous sequential machines. International Journal of Systems Science, 2020, 51, 2899-2908.	5.5	0
92	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
93	Study on Physical Properties of Mortar for Section Restoration Using Calcium Nitrite and CO2 Nano-Bubble Water. Materials, 2020, 13, 3897.	2.9	5
94	Aggregate Roundness Classification Using a Wire Mesh Method. Materials, 2020, 13, 3682.	2.9	2
95	Assessment of Pohang Earthquake-Induced Liquefaction at Youngil-Man Port Using the UBCSAND2 Model. Applied Sciences (Switzerland), 2020, 10, 5424.	2.5	8
96	Performance Evaluation of Red Clay Binder with Epoxy Emulsion for Autonomous Rammed Earth Construction. Polymers, 2020, 12, 2050.	4.5	5
97	Ammonium Phosphate as Inhibitor to Mitigate the Corrosion of Steel Rebar in Chloride Contaminated Concrete Pore Solution. Molecules, 2020, 25, 3785.	3.8	18
98	Development and Application of Motor-Equipped Reaction Torque Sensor with Adjustable Measurement Range and Sensitivity. Applied Sciences (Switzerland), 2020, 10, 8770.	2.5	1
99	Applicability of Formwork Automation Design Software for Aluminum Formwork. Applied Sciences (Switzerland), 2020, 10, 9029.	2.5	8
100	Assessment of Optimum CaO Content Range for High Volume FA Based Concrete Considering Durability Properties. Applied Sciences (Switzerland), 2020, 10, 6944.	2.5	6
101	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
102	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
103	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
104	Preparation of PP/2D-Nanosheet Composites Using MoS2/MgCl2- and BN/MgCl2-Bisupported Zieglerâ€™Natta Catalysts. Catalysts, 2020, 10, 596.	3.5	8
105	The Effects of Fineness and TEA-Based Chemical Admixture on Early Strength Development of Concrete in Construction Site Applications. Materials, 2020, 13, 2027.	2.9	6
106	Electrically Conductive Nanocomposites Composed of Styreneâ€“Acrylonitrile Copolymer and rGO via Free-Radical Polymerization. Polymers, 2020, 12, 1221.	4.5	4
107	Chemically Induced Calcium Carbonate Precipitation for Improving Strength of Sand. Journal of Materials in Civil Engineering, 2020, 32, .	2.9	16
108	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

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109	A Simple and Sustainable Prediction Method of Liquefaction-Induced Settlement at Pohang Using an Artificial Neural Network. Sustainability, 2020, 12, 4001.	3.2	11
110	Sustainable Application of Hybrid Point Cloud and BIM Method for Tracking Construction Progress. Sustainability, 2020, 12, 4106.	3.2	23
111	System Dynamics Model for the Improvement Planning of School Building Conditions. Sustainability, 2020, 12, 4235.	3.2	4
112	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
113	Inter-Floor Noise Monitoring System for Multi-Dwelling Houses Using Smartphones. Sustainability, 2020, 12, 5065.	3.2	1
114	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
115	B ₂ O ₃ –Bi ₂ O ₃ –TeO ₂ –BaO and TeO ₂ –Bi ₂ O ₃ –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
116	Task planning strategy and path similarity analysis for an autonomous excavator. Automation in Construction, 2020, 112, 103108.	9.8	34
117	Duration Estimate at Completion: Improving Earned Value Management Forecasting Accuracy. KSCE Journal of Civil Engineering, 2020, 24, 693-702.	1.9	11
118	TeO ₂ –B ₂ O ₃ –ZnO–La ₂ O ₃ glasses: γ -ray and neutron attenuation characteristics analysis by WinXCOM program, MCNP5, Geant4, and Penelope simulation codes. Ceramics International, 2020, 46, 16620-16635.	4.8	27
119	Development and Application of Precast Concrete Double Wall System to Improve Productivity of Retaining Wall Construction. Sustainability, 2020, 12, 3454.	3.2	8
120	Optical Interferometric Fringe Pattern-Incorporated Spectrum Calibration Technique for Enhanced Sensitivity of Spectral Domain Optical Coherence Tomography. Sensors, 2020, 20, 2067.	3.8	7
121	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
122	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
123	Environmental Performance Analysis and Economic Perspectives of Concrete Girders. KSCE Journal of Civil Engineering, 2019, 23, 4592-4600.	1.9	3
124	Laser-stimulated birefringence of Ga ₂ O ₃ -La ₂ S _{2.95} Se _{0.05} glasses for optical recording of information. Results in Physics, 2019, 13, 102349.	4.1	0
125	Luminescence properties of reddish orange emitting BaLa ₂ ZnO ₅ :Sm ³⁺ phosphor prepared by citric based sol-gel synthesis. Solid State Sciences, 2019, 98, 106042.	3.2	6
126	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

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127	Fluorescence features of Tm ³⁺ -doped multicomponent borosilicate and borotellurite glasses for blue laser and S-band optical amplifier applications. <i>Optical Materials</i> , 2019, 96, 109354.	3.6	18
128	Methodology for Evaluation of Residual Stress Effect on Small Corner-Crack Initiation and Growth. <i>Materials</i> , 2019, 12, 2904.	2.9	2
129	Dozer Productivity Correction Method for Eco-Dozing Assessment. <i>KSCE Journal of Civil Engineering</i> , 2019, 23, 2829-2838.	1.9	0
130	Shrinkage and Durability Evaluation of Environmental Load-Reducing FRPCM by Using Silicone Oil. <i>Materials</i> , 2019, 12, 1240.	2.9	2
131	Life Cycle Assessment for the Production Phase of Nano-Silica-Modified Asphalt Mixtures. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1315.	2.5	17
132	Sustainable design model for analysis of relationships among building height, CO ₂ emissions, and cost of core walls in office buildings in Korea. <i>Building and Environment</i> , 2019, 150, 289-296.	6.9	15
133	Optimal cut-fill pairing and sequencing method in earthwork operation. <i>Automation in Construction</i> , 2018, 87, 60-73.	9.8	17
134	Development of environmental load-estimating model for road planning phase: Focus on road earthwork. <i>KSCE Journal of Civil Engineering</i> , 2018, 22, 459-466.	1.9	3
135	Association Rules Mined from Construction Accident Data. <i>KSCE Journal of Civil Engineering</i> , 2018, 22, 1027-1039.	1.9	26
136	Eco-economic excavator configuration method. <i>Automation in Construction</i> , 2018, 86, 138-149.	9.8	2
137	Measurement of Unit Weight of Dry Sand Using Piezoelectric Sensor. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 2277.	2.5	3
138	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
139	Selection method for environmental equipment combination for paving work. <i>KSCE Journal of Civil Engineering</i> , 2017, 21, 593-602.	1.9	3
140	Stochastic dozer productivity estimation method. <i>KSCE Journal of Civil Engineering</i> , 2017, 21, 1573-1580.	1.9	1
141	Dozer Workability Estimation Method for Economic Dozing. <i>Journal of Construction Engineering and Management - ASCE</i> , 2017, 143, 04016096.	3.8	0
142	Development of Environmental Load Estimation Model for Road Drainage Systems in the Early Design Phase. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 245, 022014.	0.6	0
143	Analysis of Environment Emission Characteristics Each Construction Type for Road Field. <i>Journal of the Korean Society of Civil Engineers</i> , 2017, 37, 143-151.	0.1	1
144	Masonry Operation Model using Non-stationary Task Times. <i>Journal of the Architectural Institute of Korea Structure and Construction</i> , 2017, 33, 59-69.	0.1	0

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145	Development of Eco-VE Function for Construction. Procedia Engineering, 2016, 161, 738-746.	1.2	0
146	Exact Time-€Cost Tradeoff Analysis in Concurrency-Based Scheduling. Journal of Construction Engineering and Management - ASCE, 2016, 142, .	3.8	14
147	STOCHASTIC CARBON EMISSION ESTIMATION METHOD FOR CONSTRUCTION OPERATION. Journal of Civil Engineering and Management, 2016, 23, 137-149.	3.5	10
148	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
149	Stochastic Optimal Haul-Route Searching Method Based on Genetic Algorithm and Simulation. Journal of Computing in Civil Engineering, 2016, 30, .	4.7	6
150	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
151	Integrated carbon emission estimation method for construction operation and project scheduling. KSCE Journal of Civil Engineering, 2016, 20, 1211-1220.	1.9	9
152	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
153	Configuring Excavator Attachments for Eco-Operation. Journal of the Korean Society of Civil Engineers, 2016, 36, 325-332.	0.1	0
154	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
155	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
156	Analysis of the CO2 emission characteristics of earthwork equipment. KSCE Journal of Civil Engineering, 2015, 19, 1-9.	1.9	27
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