

Dong-eun Lee

List of Publications by Year in descending order

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228
papers

3,182
citations

165694

29
h-index

286620

40
g-index

234
all docs

234
docs citations

234
times ranked

3098
citing authors

#	ARTICLE	IF	CITATIONS
1	B2O3â€“Bi2O3â€“TeO2â€“BaO and TeO2â€“Bi2O3â€“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.	2.4	74
2	Fatal accidents in nighttime vs. daytime highway construction work zones. Journal of Safety Research, 2007, 38, 399-405.	3.7	73
3	Binary B2O3â€“Bi2O3 glasses: scrutinization of directly and indirectly ionizing radiations shielding abilities. Journal of Materials Research and Technology, 2020, 9, 14549-14567.	5.9	70
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	64
5	Probability of Project Completion Using Stochastic Project Scheduling Simulation. Journal of Construction Engineering and Management - ASCE, 2005, 131, 310-318.	4.0	60
6	Automated Statistical Analysis in Stochastic Project Scheduling Simulation. Journal of Construction Engineering and Management - ASCE, 2006, 132, 268-277.	4.0	57
7	Modeling the predictors of safety behavior in construction workers. International Journal of Occupational Safety and Ergonomics, 2015, 21, 298-311.	2.0	56
8	Artificial Neural Networkâ€“Based Slip-Trip Classifier Using Smart Sensor for Construction Workplace. Journal of Construction Engineering and Management - ASCE, 2016, 142, .	4.0	55
9	Assessing the corporate service quality performance of design-build contractors using quality function deployment. Construction Management and Economics, 2003, 21, 175-185.	3.2	53
10	Application of Various YOLO Models for Computer Vision-Based Real-Time Pothole Detection. Applied Sciences (Switzerland), 2021, 11, 11229.	2.6	53
11	An Advanced Stochastic Timeâ€“Cost Tradeoff Analysis Based on a CPMâ€“Guided Genetic Algorithm. Computer-Aided Civil and Infrastructure Engineering, 2015, 30, 824-842.	10.4	49
12	Multi-channel convolutional neural network for integration of meteorological and geographical features in solar power forecasting. Applied Energy, 2021, 295, 117083.	10.3	46
13	Polyethylene Glycol Coated Magnetic Nanoparticles: Hybrid Nanofluid Formulation, Properties and Drug Delivery Prospects. Nanomaterials, 2021, 11, 440.	4.2	41
14	BIM-Based Registration and Localization of 3D Point Clouds of Indoor Scenes Using Geometric Features for Augmented Reality. Remote Sensing, 2020, 12, 2302.	4.1	39
15	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.	7.0	39
16	Task planning strategy and path similarity analysis for an autonomous excavator. Automation in Construction, 2020, 112, 103108.	10.0	39
17	Pressure pattern recognition in buildings using an unsupervised machine-learning algorithm. Journal of Wind Engineering and Industrial Aerodynamics, 2021, 214, 104629.	4.0	38
18	Automated rebar diameter classification using point cloud data based machine learning. Automation in Construction, 2021, 122, 103476.	10.0	37

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19	Quantitative health impact assessment of construction noise exposure on the nearby region for noise barrier optimization. <i>Building and Environment</i> , 2020, 176, 106869.	7.0	36
20	Integrated Simulation System for Construction Operation and Project Scheduling. <i>Journal of Computing in Civil Engineering</i> , 2010, 24, 557-569.	4.9	35
21	Detailed Inspection of β -ray, Fast and Thermal Neutrons Shielding Competence of Calcium Oxide or Strontium Oxide Comprising Bismuth Borate Glasses. <i>Materials</i> , 2021, 14, 2265.	3.0	35
22	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. <i>Journal of Materials Science and Technology</i> , 2021, 82, 21-32.	10.8	35
23	Investigation of steel frame damage based on computer vision and deep learning. <i>Automation in Construction</i> , 2021, 132, 103941.	10.0	35
24	Cobalt- and iron-coordinated graphitic carbon nitride on reduced graphene oxide: A nonprecious bimetallic Mn-N-C analogue electrocatalyst for efficient oxygen reduction reaction in acidic media. <i>Applied Surface Science</i> , 2020, 531, 147367.	6.3	34
25	Analysis of fluorescence characteristics of Sm ³⁺ -doped B ₂ O ₃ -rich glasses for Orange-light-emitting diodes. <i>Journal of Alloys and Compounds</i> , 2021, 884, 161076.	5.7	34
26	2D/2D BiOIO ₃ /g-C ₃ N ₄ S-scheme hybrid heterojunction with face-to-face interfacial contact for effective photocatalytic H ₂ production and norfloxacin degradation. <i>Journal of Materials Science and Technology</i> , 2023, 148, 19-30.	10.8	34
27	An empirical analysis of environmental pollutants on building construction sites for determining the real-time monitoring indices. <i>Building and Environment</i> , 2020, 170, 106636.	7.0	33
28	Effect of Cyclic Loading Frequency on Liquefaction Prediction of Sand. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4502.	2.6	33
29	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.	12.6	32
30	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. <i>Results in Physics</i> , 2021, 25, 104246.	4.2	30
31	An Expert System for Auditing Quality Management Systems in Construction. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2011, 26, 612-631.	10.4	29
32	TeO ₂ +B ₂ O ₃ +ZnO+La ₂ O ₃ glasses: β -ray and neutron attenuation characteristics analysis by WinXCOM program, MCNP5, Geant4, and Penelope simulation codes. <i>Ceramics International</i> , 2020, 46, 16620-16635.	4.9	29
33	Illustration of distinct nuclear radiation transmission factors combined with physical and elastic characteristics of barium boro-bismuthate glasses. <i>Results in Physics</i> , 2021, 31, 105067.	4.2	29
34	In-depth survey of nuclear radiation attenuation efficacies for high density bismuth lead borate glass system. <i>Results in Physics</i> , 2021, 23, 104030.	4.2	28
35	Concurrent Construction Scheduling Simulation Algorithm. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2014, 29, 449-463.	10.4	27
36	Analysis of the CO ₂ emission characteristics of earthwork equipment. <i>KSCE Journal of Civil Engineering</i> , 2015, 19, 1-9.	1.9	27

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37	Association Rules Mined from Construction Accident Data. <i>KSCE Journal of Civil Engineering</i> , 2018, 22, 1027-1039.	1.9	27
38	Effect of Phosphate-Based Inhibitor on Corrosion Kinetics and Mechanism for Formation of Passive Film onto the Steel Rebar in Chloride-Containing Pore Solution. <i>Materials</i> , 2020, 13, 3642.	3.0	27
39	Case Study of Solar Photovoltaic Power-Plant Site Selection for Infrastructure Planning Using a BIM-GIS-Based Approach. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 8785.	2.6	27
40	Ensemble Machine Learning-Based Approach for Predicting of FRP-Concrete Interfacial Bonding. <i>Mathematics</i> , 2022, 10, 231.	2.3	27
41	Total Quality Performance of Design/Build Firms Using Quality Function Deployment. <i>Journal of Construction Engineering and Management - ASCE</i> , 2006, 132, 49-57.	4.0	26
42	Task-based modeling method for construction business process modeling and automation. <i>Automation in Construction</i> , 2008, 17, 633-640.	10.0	26
43	Performance and interaction mechanism of a new highly efficient benzimidazole-based epoxy resin for corrosion inhibition of carbon steel in HCl: A study based on experimental and first-principles DFTB simulations. <i>Journal of Molecular Structure</i> , 2023, 1273, 134232.	3.7	26
44	Comparison of sand liquefaction in cyclic triaxial and simple shear tests. <i>Soils and Foundations</i> , 2021, 61, 1071-1085.	3.2	25
45	Predicting wind flow around buildings using deep learning. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2021, 219, 104820.	4.0	25
46	Sustainable Application of Hybrid Point Cloud and BIM Method for Tracking Construction Progress. <i>Sustainability</i> , 2020, 12, 4106.	3.3	24
47	Bifunctional S-scheme hybrid heterojunction comprising CdS nanorods and BiOI ₃ nanosheets for efficient solar-induced antibiotic degradation and highly-selective CO ₂ reduction. <i>Journal of Materials Science and Technology</i> , 2023, 161, 74-87.	10.8	24
48	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. <i>Journal of Alloys and Compounds</i> , 2022, 902, 163612.	5.7	23
49	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.	4.2	23
50	Effect of vertical effective and initial static shear stresses on the liquefaction resistance of sands in cyclic direct simple shear tests. <i>Soils and Foundations</i> , 2020, 60, 1588-1607.	3.2	22
51	Ammonium Phosphate as Inhibitor to Mitigate the Corrosion of Steel Rebar in Chloride Contaminated Concrete Pore Solution. <i>Molecules</i> , 2020, 25, 3785.	3.9	22
52	Emotional impact, task performance and task load of green walls exposure in a virtual environment. <i>Indoor Air</i> , 2022, 32, .	4.4	21
53	Rapid Post-Earthquake Structural Damage Assessment Using Convolutional Neural Networks and Transfer Learning. <i>Sensors</i> , 2022, 22, 3471.	4.0	21
54	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. <i>Optical Materials</i> , 2020, 108, 110186.	3.7	20

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55	Isothermal crystallization kinetics of (Cu ₆₀ Zr ₂₅ Ti ₁₅) _{99.3} Nb _{0.7} bulk metallic glass. <i>Scientific Reports</i> , 2020, 10, 10577.	3.4	20
56	Analysis of Musculoskeletal Disorders and Muscle Stresses on Construction Workers's™ Awkward Postures Using Simulation. <i>Sustainability</i> , 2020, 12, 5693.	3.3	20
57	The Integration of Earthwork Design Review and Planning Using UAV-Based Point Cloud and BIM. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3435.	2.6	20
58	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.	6.3	20
59	Automated stochastic quality function deployment system for measuring the quality performance of design/build contractors. <i>Automation in Construction</i> , 2009, 18, 348-356.	10.0	19
60	Optimal cut-fill pairing and sequencing method in earthwork operation. <i>Automation in Construction</i> , 2018, 87, 60-73.	10.0	19
61	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.	3.7	19
62	Field measurements for identification of modal parameters for high-rise buildings under construction or in use. <i>Automation in Construction</i> , 2021, 121, 103446.	10.0	19
63	Life Cycle Assessment for the Production Phase of Nano-Silica-Modified Asphalt Mixtures. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1315.	2.6	18
64	Comparative study of gamma-ray shielding features and some properties of different heavy metal oxide-based tellurite-rich glass systems. <i>Radiation Physics and Chemistry</i> , 2020, 170, 108633.	2.8	18
65	Impact of Virtual Reality-Based Design Review System on User's™ Performance and Cognitive Behavior for Building Design Review Tasks. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 7249.	2.6	18
66	Project risk assessment model combining the fuzzy weighted average principle with a similarity measure. <i>KSCE Journal of Civil Engineering</i> , 2014, 18, 521-530.	1.9	17
67	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). <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	2.4	17
68	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.	7.0	17
69	Eu ³⁺ -doped fluoro-telluroborate glasses as red-emitting components for W-LEDs application. <i>Optical Materials</i> , 2020, 99, 109555.	3.7	17
70	Chemically Induced Calcium Carbonate Precipitation for Improving Strength of Sand. <i>Journal of Materials in Civil Engineering</i> , 2020, 32, .	3.0	17
71	A Simple and Sustainable Prediction Method of Liquefaction-Induced Settlement at Pohang Using an Artificial Neural Network. <i>Sustainability</i> , 2020, 12, 4001.	3.3	17
72	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.	12.6	17

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73	Wind-Induced Pressure Prediction on Tall Buildings Using Generative Adversarial Imputation Network. Sensors, 2021, 21, 2515.	4.0	17
74	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.	4.2	17
75	Evaluating the Quality Performance of Pavement Contractors. Journal of Construction Engineering and Management - ASCE, 2012, 138, 1114-1124.	4.0	16
76	Ad-hoc performance of wireless sensor network for large scale civil and construction engineering applications. Automation in Construction, 2012, 26, 32-45.	10.0	16
77	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, 13, 2501-2526.	5.9	16
78	Er ³⁺ -doped SiO ₂ -based glasses – An exploration of structural, visible, chromatic, and NIR fluorescence characteristics. Materials Research Bulletin, 2022, 147, 111634.	5.3	16
79	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.	4.4	15
80	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.	10.0	15
81	Shape-stabilized orange peel/myristic acid phase change materials for efficient thermal energy storage application. Energy Reports, 2022, 8, 9618-9628.	5.2	15
82	The probability distribution of project completion times in simulation-based scheduling. KSCE Journal of Civil Engineering, 2013, 17, 638-645.	1.9	14
83	Exact Time-Cost Tradeoff Analysis in Concurrency-Based Scheduling. Journal of Construction Engineering and Management - ASCE, 2016, 142, .	4.0	14
84	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.	4.4	14
85	Preparation of PP/2D-Nanosheet Composites Using MoS ₂ /MgCl ₂ - and BN/MgCl ₂ -Bisupported Ziegler-Natta Catalysts. Catalysts, 2020, 10, 596.	3.6	14
86	3D Point Cloud and BIM-Based Reconstruction for Evaluation of Project by As-Planned and As-Built. Remote Sensing, 2020, 12, 1457.	4.1	14
87	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.	2.4	14
88	Automated noise exposure assessment model for the health of construction workers. Automation in Construction, 2021, 126, 103657.	10.0	14
89	Importance of Image Enhancement and CDF for Fault Assessment of Photovoltaic Module Using IR Thermal Image. Applied Sciences (Switzerland), 2021, 11, 8388.	2.6	14
90	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.	6.1	13

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91	Stochastic Project Financing Analysis System for Construction. Journal of Construction Engineering and Management - ASCE, 2012, 138, 376-389.	4.0	12
92	Integrated carbon emission estimation method for construction operation and project scheduling. KSCE Journal of Civil Engineering, 2016, 20, 1211-1220.	1.9	12
93	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. ^{4.2}		12
94	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	12
95	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.	5.9	12
96	STOCHASTIC CARBON EMISSION ESTIMATION METHOD FOR CONSTRUCTION OPERATION. Journal of Civil Engineering and Management, 2016, 23, 137-149.	3.5	11
97	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.	3.9	11
98	Assessment of Pohang Earthquake-Induced Liquefaction at Youngil-Man Port Using the UBCSAND2 Model. Applied Sciences (Switzerland), 2020, 10, 5424.	2.6	11
99	Duration Estimate at Completion: Improving Earned Value Management Forecasting Accuracy. KSCE Journal of Civil Engineering, 2020, 24, 693-702.	1.9	11
100	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	11
101	Geometrical model based scan planning approach for the classification of rebar diameters. Automation in Construction, 2021, 130, 103848.	10.0	11
102	Current Status and Future Directions of Deep Learning Applications for Safety Management in Construction. Sustainability, 2021, 13, 13579.	3.3	11
103	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
104	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.	6.3	10
105	Assessment of optical and fluorescence aspects of Er ³⁺ -doped multicomponent B ₂ O ₃ glasses as active media for 1.532 μ m near-infrared optical amplifiers. Journal of Materials Research and Technology, 2022, 18, 3457-3477.	5.9	10
106	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
107	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.	7.0	9
108	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.	3.6	9

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109	Applicability of Formwork Automation Design Software for Aluminum Formwork. Applied Sciences (Switzerland), 2020, 10, 9029.	2.6	9
110	Development and Application of Precast Concrete Double Wall System to Improve Productivity of Retaining Wall Construction. Sustainability, 2020, 12, 3454.	3.3	9
111	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
112	Size-dependent selectivity and activity of highly dispersed sub-nanometer Pt clusters integrated with P25 for CO ₂ photoreduction into methane fuel. Applied Surface Science, 2022, 584, 152532.	6.3	9
113	An Automated Image-Based Multivariant Concrete Defect Recognition Using a Convolutional Neural Network with an Integrated Pooling Module. Sensors, 2022, 22, 3118.	4.0	9
114	Physical, structural, thermal, and mechanical features combined with neutron and gamma radiation attenuation qualities of Sm ₂ O ₃ doped transparent borate-rich glasses. Journal of Materials Research and Technology, 2023, 22, 1268-1296.	5.9	9
115	Optical Interferometric Fringe Pattern-Incorporated Spectrum Calibration Technique for Enhanced Sensitivity of Spectral Domain Optical Coherence Tomography. Sensors, 2020, 20, 2067.	4.0	8
116	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
117	Optimization of Centrifugal Pump Impeller for Pumping Viscous Fluids Using Direct Design Optimization Technique. Machines, 2022, 10, 774.	2.3	8
118	Deep Learning Activation Layer-Based Wall Quality Recognition Using Conv2D ResNet Exponential Transfer Learning Model. Mathematics, 2022, 10, 4602.	2.3	8
119	Investigation of a centrifugal pump for energy loss due to clearance thickness while pumping different viscosity oils. Results in Engineering, 2023, 18, 101038.	5.2	8
120	Compressive strength prediction of ternary-blended concrete using deep neural network with tuned hyperparameters. Journal of Building Engineering, 2023, 75, 107004.	3.5	8
121	Review on inorganic and polymeric materials-coordinated metal-organic-framework photocatalysts for green hydrogen evolution. Journal of Energy Chemistry, 2024, 92, 322-356.	13.4	8
122	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	7
123	Assessment of Optimum CaO Content Range for High Volume FA Based Concrete Considering Durability Properties. Applied Sciences (Switzerland), 2020, 10, 6944.	2.6	7
124	Effect of Formwork Removal Time Reduction on Construction Productivity Improvement by Mix Design of Early Strength Concrete. Applied Sciences (Switzerland), 2020, 10, 7046.	2.6	7
125	Aerodynamic Characteristics and Lateral Displacements of a Set of Two Buildings in a Linked Tall Building System. Sensors, 2021, 21, 4046.	4.0	7
126	Developing the Path Model defining the Relationship between Construction Worker's Personal Characteristics and Safety Behaviors. Journal of the Korea Institute of Building Construction, 2013, 13, 169-180.	0.1	7

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127	A Study on the Red Clay Binder Stabilized with a Polymer Aqueous Solution. <i>Polymers</i> , 2021, 13, 54.	4.6	7
128	Multivariate Analysis of Concrete Image Using Thermography and Edge Detection. <i>Sensors</i> , 2021, 21, 7396.	4.0	7
129	Construction noise rating based on legal and health impacts. <i>Automation in Construction</i> , 2022, 134, 104053.	10.0	7
130	Derivation and structural analysis of a three-input interval type-2 TS fuzzy PID controller. <i>Soft Computing</i> , 2022, 26, 589-603.	3.8	7
131	Crystal growth and visible fluorescence and energy transfer features of Dy ³⁺ /RE ³⁺ (RE = Tb, Tj) ETQq1 1 0.784314.rgBT /Overlock 10	3.2	7
132	Bimetallic Cu@Ni core-shell nanoparticles anchored N-doped reduced graphene oxide as a high-performance bifunctional electrocatalyst for alkaline water splitting. <i>Applied Surface Science</i> , 2023, 622, 156928.	6.3	7
133	Two in one is really better: NiAl-LDH/[CoNi(1/43-tp)2(1/42-py)2] nanocomposite for enhanced antibiotic norfloxacin degradation and H ₂ evolution reaction. <i>Separation and Purification Technology</i> , 2024, 332, 125748.	8.1	7
134	Advanced Stochastic Schedule Simulation System. <i>Civil Engineering and Environmental Systems</i> , 0, , 1-18.	1.3	6
135	Stochastic Optimal Haul-Route Searching Method Based on Genetic Algorithm and Simulation. <i>Journal of Computing in Civil Engineering</i> , 2016, 30, .	4.9	6
136	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
137	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
138	Durability and Strength Characteristics of Casein-Cemented Sand with Slag. <i>Materials</i> , 2020, 13, 3182.	3.0	6
139	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.	3.0	6
140	Eco-friendly and economically optimal design model (EEODM) to reduce the CO ₂ emissions and the cost of long-span waffle slabs. <i>Journal of Cleaner Production</i> , 2021, 296, 126367.	9.5	6
141	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.	16.7	6
142	An automatic decision model for optimal noise barrier plan in terms of health impact, productivity, and cost aspects. <i>Building and Environment</i> , 2022, 216, 109033.	7.0	6
143	Effect of triethanolamine and sodium hexametaphosphate on formation, growth and breakdown of passive layer in concrete pore solution. <i>Journal of Building Engineering</i> , 2022, 59, 105113.	3.5	6
144	Vision-Based Activity Classification of Excavators by Bidirectional LSTM. <i>Applied Sciences (Switzerland)</i> , 2023, 13, 272.	2.6	6

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145	Effect of pore structure on the thermal stability of shape-stabilized phase change materials. <i>Journal of Materials Research and Technology</i> , 2023, 25, 465-479.	5.9	6
146	Face-to-face interfacial assembly of a hybrid NiAl-LDH@BiOIO ₃ photocatalyst for the effective solar-induced abatement of antibiotic and dye pollutants: Insights into surface engineering and S-scheme charge transfer. <i>Applied Surface Science</i> , 2023, 640, 158302.	6.3	6
147	Graduate construction management programs in the U.S.: Lessons learned from leading institutions. <i>KSCCE Journal of Civil Engineering</i> , 2013, 17, 1664-1671.	1.9	5
148	Study on Physical Properties of Mortar for Section Restoration Using Calcium Nitrite and CO ₂ Nano-Bubble Water. <i>Materials</i> , 2020, 13, 3897.	3.0	5
149	Performance Evaluation of Red Clay Binder with Epoxy Emulsion for Autonomous Rammed Earth Construction. <i>Polymers</i> , 2020, 12, 2050.	4.6	5
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