

Dong-eun Lee

List of Publications by Year in descending order

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Version: 2024-02-01

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	Two in one is really better: NiAl-LDH/[CoNi($\frac{1}{4}$ 3-tp) $2(\frac{1}{4}$ 2-py) 2] nanocomposite for enhanced antibiotic norfloxacin degradation and H ₂ evolution reaction. Separation and Purification Technology, 2024, 332, 125748.	8.1	7
2	Mapping top-two-floor corner coordinates to building strains in deep latent space. Journal of Building Engineering, 2024, 82, 108279.	3.5	0
3	A hierarchical 3D hybrid CoAl-layered double hydroxide/TiO ₂ /Ti ₃ C ₂ MXene S-scheme photocatalyst with 2D/0D/2D contact interfaces for sustainable pollutant degradation. Applied Surface Science, 2024, 649, 159178.	6.3	4
4	An S-scheme heterointerface-engineered high-performance ternary NiAl-LDH@TiO ₂ /Ti ₃ C ₂ MXene photocatalytic system for solar-powered CO ₂ reduction to produce energy-rich fuels. Chemical Engineering Journal, 2024, 480, 148227.	13.0	3
5	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
6	Synthesis of Long Alkyl and Fluoroalkyl Substituted Siloxane Copolymers for the Water Repellency of Rammed Earth Walls. Materials, 2024, 17, 216.	3.0	0
7	Hybrid behaviors of RC metaslab combining bandgap and isolation for broadband vibration control. International Journal of Mechanical Sciences, 2024, 267, 109004.	6.9	2
8	Investigating the thermo-physical properties of a new kind of graphitic carbon nitride included ternary hybrid nanofluids and the property correlations. Heliyon, 2024, 10, e26163.	3.3	0
9	Enhancing Building Energy Efficiency with IoT-Driven Hybrid Deep Learning Models for Accurate Energy Consumption Prediction. Sustainability, 2024, 16, 1925.	3.3	3
10	Defect-enriched BiOIO ₃ /Ti ₃ C ₂ MXene 2D/2D Schottky-type heterostructure for efficient and selective CH ₄ production via CO ₂ photoreduction: Unveiling the roles of defect inclusion and Ti ₃ C ₂ MXene co-catalyst. Journal of Materials Science and Technology, 2024, 202, 27-38.	10.8	1
11	Elevated symmetric supercapacitor performance and simulated solar light-functioning H ₂ O ₂ production using single-step fabricated 2D/2D NiAl-based LDH/CoNi-based MOF nanohybrid. Surfaces and Interfaces, 2024, 51, 104749.	3.2	0
12	Estimation of Concrete Compressive Strength from Non-Destructive Tests Using a Customized Neural Network and Genetic Algorithm. Applied Soft Computing Journal, 2024, , 111941.	7.4	0
13	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.	1.9	4
14	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. Journal of Molecular Structure, 2023, 1273, 134232.	3.7	26
15	Multi-objective green design model for prestressed concrete slabs in long-span buildings. Architectural Engineering and Design Management, 2023, 19, 531-549.	1.6	3
16	Structural and visible fluorescence traits of Dy ³⁺ ion activated Lu _{1.5} Y _{1.5} Al ₅ O ₁₂ phosphors. Optical Materials, 2023, 135, 113253.	3.7	3
17	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
18	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. Journal of Materials Science and Technology, 2023, 148, 19-30.	10.8	34

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19	Structure-property correlation of thermally activated nano-size phase change material in the cementitious system. <i>Journal of Building Engineering</i> , 2023, 66, 105871.	3.5	1
20	Vision-Based Activity Classification of Excavators by Bidirectional LSTM. <i>Applied Sciences (Switzerland)</i> , 2023, 13, 272.	2.6	6
21	Stochastic flame locating method hybridizing Kalman filter and deep neural network for rapid fire response at construction sites. <i>Journal of Building Engineering</i> , 2023, 66, 105967.	3.5	3
22	Investigation of a centrifugal pump for energy loss due to clearance thickness while pumping different viscosity oils. <i>Results in Engineering</i> , 2023, 18, 101038.	5.2	8
23	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
24	Bifunctional S-scheme hybrid heterojunction comprising CdS nanorods and BiOIO 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
25	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
26	Compressive strength prediction of ternary-blended concrete using deep neural network with tuned hyperparameters. <i>Journal of Building Engineering</i> , 2023, 75, 107004.	3.5	8
27	Comparative Evaluation of Viscosity, Density and Ultrasonic Velocity Using Deviation Modelling for Ethyl-Alcohol Based Binary Mixtures. <i>Applied Sciences (Switzerland)</i> , 2023, 13, 7475.	2.6	0
28	Studies on the Functional Properties of Titanium Dioxide Nanoparticles Distributed in Silyl-Alkyl Bridged Polyaniline-Based Nanofluids. <i>Nanomaterials</i> , 2023, 13, 2332.	4.2	0
29	Actual NO _x and SO _x removal rates in the atmospheric environment of concrete permeable blocks containing TiO ₂ powders, coconut shell powders, and zeolite beads. <i>Construction and Building Materials</i> , 2023, 403, 133032.	7.2	0
30	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
31	Multi-technique investigation on the surface interaction of diatomaceous earth with organic phase change material: Experimental and molecular dynamics aspects. <i>Journal of Molecular Liquids</i> , 2023, 391, 123292.	5.0	3
32	Advanced Real-Time Pollutant Monitoring Systems for Automatic Environmental Management of Construction Projects Focusing on Field Applicability. <i>Journal of Management in Engineering - ASCE</i> , 2022, 38, .	4.8	12
33	Emotional impact, task performance and task load of green walls exposure in a virtual environment. <i>Indoor Air</i> , 2022, 32, .	4.4	21
34	Structurally engineered vitamin B12 on graphene as a bioinspired metal-N-C-based electrocatalyst for effective overall water splitting in alkaline media. <i>Applied Surface Science</i> , 2022, 575, 151729.	6.3	10
35	Er ³⁺ -doped SiO ₂ -based glasses - An exploration of structural, visible, chromatic, and NIR fluorescence characteristics. <i>Materials Research Bulletin</i> , 2022, 147, 111634.	5.3	16
36	Construction noise rating based on legal and health impacts. <i>Automation in Construction</i> , 2022, 134, 104053.	10.0	7

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37	Ensemble Machine Learning-Based Approach for Predicting of FRP-Concrete Interfacial Bonding. <i>Mathematics</i> , 2022, 10, 231.	2.3	27
38	Fabrication of PA6/MoS2 nanocomposites via melt blending of PA6 with PA6/PEG modified-MoS2 masterbatch. <i>Polymer Bulletin</i> , 2022, 79, 10639-10652.	3.3	3
39	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
40	Magnetically sensitive TiO2 hollow sphere/Fe3O4 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
41	Size-dependent selectivity and activity of highly dispersed sub-nanometer Pt clusters integrated with P25 for CO2 photoreduction into methane fuel. <i>Applied Surface Science</i> , 2022, 584, 152532.	6.3	9
42	Ergonomic Risk Assessment of Aluminum Form Workers' Musculoskeletal Disorder at Construction Workstations Using Simulation. <i>Sustainability</i> , 2022, 14, 4356.	3.3	5
43	Optical and visible and near-infrared fluorescence aspects of Er3+, Tm3+, and Nd3+-doped B2O3-rich glasses for fiber amplifiers and NIR lasers. <i>Journal of Materials Research and Technology</i> , 2022, 18, 658-680.	5.9	12
44	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
45	Crystal growth and visible fluorescence and energy transfer features of Dy3+/RE3+ (RE = Tb,) Tj ETQq1 1 0.784314.rgBT /Overlock 10	3.2	7
46	An Automated Image-Based Multivariant Concrete Defect Recognition Using a Convolutional Neural Network with an Integrated Pooling Module. <i>Sensors</i> , 2022, 22, 3118.	4.0	9
47	Assessment of optical and fluorescence aspects of Er3+-doped multicomponent B2O3 glasses as active media for 1.532- μ m near-infrared optical amplifiers. <i>Journal of Materials Research and Technology</i> , 2022, 18, 3457-3477.	5.9	10
48	Evaluation of Compressive Strength and Thermal Conductivity of Sand Stabilized with Epoxy Emulsion and Polymer Solution. <i>Polymers</i> , 2022, 14, 1964.	4.6	2
49	Rapid Post-Earthquake Structural Damage Assessment Using Convolutional Neural Networks and Transfer Learning. <i>Sensors</i> , 2022, 22, 3471.	4.0	21
50	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
51	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.	5.7	5
52	Cu-Ni core-shell bimetallic cocatalyst decorated polymeric carbon nitride for highly efficient and selective methane production from photocatalytic CO2 reduction. <i>Applied Surface Science</i> , 2022, 599, 153973.	6.3	20
53	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
54	Shape-stabilized orange peel/myristic acid phase change materials for efficient thermal energy storage application. <i>Energy Reports</i> , 2022, 8, 9618-9628.	5.2	15

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55	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
56	Delay Analysis Selection Model for a Construction Project. <i>KSCE Journal of Civil Engineering</i> , 2022, 26, 4926-4941.	1.9	2
57	Optimization of Centrifugal Pump Impeller for Pumping Viscous Fluids Using Direct Design Optimization Technique. <i>Machines</i> , 2022, 10, 774.	2.3	8
58	Evaluation of Recycled Spent Coffee Material Treated with Animal Glue, Starch, and Red Clay as Acid Materials. <i>Materials</i> , 2022, 15, 6622.	3.0	4
59	A Stacked Generalization Model to Enhance Prediction of Earthquake-Induced Soil Liquefaction. <i>Sensors</i> , 2022, 22, 7292.	4.0	5
60	Deep Learning Activation Layer-Based Wall Quality Recognition Using Conv2D ResNet Exponential Transfer Learning Model. <i>Mathematics</i> , 2022, 10, 4602.	2.3	8
61	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
62	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
63	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
64	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	11
65	Automated rebar diameter classification using point cloud data based machine learning. <i>Automation in Construction</i> , 2021, 122, 103476.	10.0	37
66	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.	3.7	5
67	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
68	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.	0.9	3
69	Fabrication of highly thermal conductive PA6/hBN composites via in-situ polymerization process. <i>Journal of Polymer Research</i> , 2021, 28, 1.	2.5	3
70	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.	3.7	0
71	Environmental and Cost Impact Assessment of Pavement Materials Using IBEES Method. <i>Sustainability</i> , 2021, 13, 1836.	3.3	3
72	Polyethylene Glycol Coated Magnetic Nanoparticles: Hybrid Nanofluid Formulation, Properties and Drug Delivery Prospects. <i>Nanomaterials</i> , 2021, 11, 440.	4.2	41

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73	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
74	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.	2.7	5
75	The Integration of Earthwork Design Review and Planning Using UAV-Based Point Cloud and BIM. Applied Sciences (Switzerland), 2021, 11, 3435.	2.6	20
76	Wind-Induced Pressure Prediction on Tall Buildings Using Generative Adversarial Imputation Network. Sensors, 2021, 21, 2515.	4.0	17
77	Stochastic resource leveling optimization method for trading off float consumption and project completion probability. Computer-Aided Civil and Infrastructure Engineering, 2021, 36, 1013-1033.	10.4	5
78	In-depth survey of nuclear radiation attenuation efficacies for high density bismuth lead borate glass system. Results in Physics, 2021, 23, 104030.	4.2	28
79	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.	3.0	35
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	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.	9.5	6
82	Aerodynamic Characteristics and Lateral Displacements of a Set of Two Buildings in a Linked Tall Building System. Sensors, 2021, 21, 4046.	4.0	7
83	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.	4.2	30
84	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
85	Automated noise exposure assessment model for the health of construction workers. Automation in Construction, 2021, 126, 103657.	10.0	14
86	Pressure pattern recognition in buildings using an unsupervised machine-learning algorithm. Journal of Wind Engineering and Industrial Aerodynamics, 2021, 214, 104629.	4.0	38
87	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}	4.2	12
88	Multi-channel convolutional neural network for integration of meteorological and geographical features in solar power forecasting. Applied Energy, 2021, 295, 117083.	10.3	46
89	Comparison of sand liquefaction in cyclic triaxial and simple shear tests. Soils and Foundations, 2021, 61, 1071-1085.	3.2	25
90	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.	10.8	35

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91	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
92	Case Study of Solar Photovoltaic Power-Plant Site Selection for Infrastructure Planning Using a BIM-GIS-Based Approach. Applied Sciences (Switzerland), 2021, 11, 8785.	2.6	27
93	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.	3.2	1
94	Geometrical model based scan planning approach for the classification of rebar diameters. Automation in Construction, 2021, 130, 103848.	10.0	11
95	Investigation of steel frame damage based on computer vision and deep learning. Automation in Construction, 2021, 132, 103941.	10.0	35
96	Enhanced compressive strength of rammed earth walls stabilized with eco-friendly multi-functional polymeric system. Renewable and Sustainable Energy Reviews, 2021, 152, 111681.	16.7	6
97	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.	5.7	34
98	Effect of Wetting Conditions on the In Situ Density of Soil Using the Sand-Cone Method. Applied Sciences (Switzerland), 2021, 11, 718.	2.6	0
99	Numerical Analysis of Shear and Particle Crushing Characteristics in Ring Shear System Using the PFC2D. Materials, 2021, 14, 229.	3.0	4
100	Study on the Increase of the Supporting Capacity of a Cement Milk Pile with Expansive Additives. Applied Sciences (Switzerland), 2021, 11, 9922.	2.6	0
101	Application of an Acrylic Polymer and Epoxy Emulsion to Red Clay and Sand. Polymers, 2021, 13, 3410.	4.6	3
102	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
103	A Study on the Red Clay Binder Stabilized with a Polymer Aqueous Solution. Polymers, 2021, 13, 54.	4.6	7
104	Multivariate Analysis of Concrete Image Using Thermography and Edge Detection. Sensors, 2021, 21, 7396.	4.0	7
105	Predicting wind flow around buildings using deep learning. Journal of Wind Engineering and Industrial Aerodynamics, 2021, 219, 104820.	4.0	25
106	Application of Various YOLO Models for Computer Vision-Based Real-Time Pothole Detection. Applied Sciences (Switzerland), 2021, 11, 11229.	2.6	53
107	Illustration of distinct nuclear radiation transmission factors combined with physical and elastic characteristics of barium boro-bismuthate glasses. Results in Physics, 2021, 31, 105067.	4.2	29
108	Current Status and Future Directions of Deep Learning Applications for Safety Management in Construction. Sustainability, 2021, 13, 13579.	3.3	11

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109	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
110	Multi-objective sustainable design model for integrating CO ₂ emissions and costs for slabs in office buildings. <i>Structure and Infrastructure Engineering</i> , 2020, 16, 1096-1105.	3.6	9
111	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
112	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
113	Eu ³⁺ -doped fluoro-telluroborate glasses as red-emitting components for W-LEDs application. <i>Optical Materials</i> , 2020, 99, 109555.	3.7	17
114	Effect of Cyclic Loading Frequency on Liquefaction Prediction of Sand. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4502.	2.6	33
115	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
116	Model matching of input/state asynchronous sequential machines with actuator saturation and bounded delays. <i>Automatica</i> , 2020, 120, 109134.	5.2	4
117	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
118	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. <i>Molecules</i> , 2020, 25, 5380.	3.9	11
119	Economical Auto Moment Limiter for Preventing Mobile Cargo Crane Overload. <i>Sensors</i> , 2020, 20, 6355.	4.0	1
120	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. <i>IEEE Photonics Journal</i> , 2020, 12, 1-11.	2.0	2
121	BIM-Based Registration and Localization of 3D Point Clouds of Indoor Scenes Using Geometric Features for Augmented Reality. <i>Remote Sensing</i> , 2020, 12, 2302.	4.1	39
122	Analysis of Musculoskeletal Disorders and Muscle Stresses on Construction Workers' Awkward Postures Using Simulation. <i>Sustainability</i> , 2020, 12, 5693.	3.3	20
123	Durability and Strength Characteristics of Casein-Cemented Sand with Slag. <i>Materials</i> , 2020, 13, 3182.	3.0	6
124	Cobalt- and iron-coordinated graphitic carbon nitride on reduced graphene oxide: A nonprecious bimetallic Mn-C analogue electrocatalyst for efficient oxygen reduction reaction in acidic media. <i>Applied Surface Science</i> , 2020, 531, 147367.	6.3	34
125	Assessment of the Inner Surface Roughness of 3D Printed Dental Crowns via Optical Coherence Tomography Using a Roughness Quantification Algorithm. <i>IEEE Access</i> , 2020, 8, 133854-133864.	4.4	15
126	Binary B ₂ O ₃ -Bi ₂ O ₃ glasses: scrutinization of directly and indirectly ionizing radiations shielding abilities. <i>Journal of Materials Research and Technology</i> , 2020, 9, 14549-14567.	5.9	70

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127	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
128	Coordinated corrective control for model matching of asynchronous sequential machines. <i>International Journal of Systems Science</i> , 2020, 51, 2899-2908.	5.6	0
129	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
130	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
131	Aggregate Roundness Classification Using a Wire Mesh Method. <i>Materials</i> , 2020, 13, 3682.	3.0	2
132	Assessment of Pohang Earthquake-Induced Liquefaction at Youngil-Man Port Using the UBCSAND2 Model. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5424.	2.6	11
133	Performance Evaluation of Red Clay Binder with Epoxy Emulsion for Autonomous Rammed Earth Construction. <i>Polymers</i> , 2020, 12, 2050.	4.6	5
134	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
135	Development and Application of Motor-Equipped Reaction Torque Sensor with Adjustable Measurement Range and Sensitivity. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8770.	2.6	2
136	Applicability of Formwork Automation Design Software for Aluminum Formwork. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 9029.	2.6	9
137	Assessment of Optimum CaO Content Range for High Volume FA Based Concrete Considering Durability Properties. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6944.	2.6	7
138	Effect of Formwork Removal Time Reduction on Construction Productivity Improvement by Mix Design of Early Strength Concrete. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7046.	2.6	7
139	Dynamic Compensation of Path Length Difference in Optical Coherence Tomography by an Automatic Temperature Control System of Optical Fiber. <i>IEEE Access</i> , 2020, 8, 77501-77510.	4.4	14
140	An integrated psychological score for occupants based on their perception and emotional response according to the windows'™ outdoor view size. <i>Building and Environment</i> , 2020, 180, 107019.	7.0	39
141	Preparation of PP/2D-Nanosheet Composites Using MoS ₂ /MgCl ₂ - and BN/MgCl ₂ -Bisupported Ziegler-Natta Catalysts. <i>Catalysts</i> , 2020, 10, 596.	3.6	14
142	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
143	Electrically Conductive Nanocomposites Composed of Styrene-Acrylonitrile Copolymer and rGO via Free-Radical Polymerization. <i>Polymers</i> , 2020, 12, 1221.	4.6	4
144	Chemically Induced Calcium Carbonate Precipitation for Improving Strength of Sand. <i>Journal of Materials in Civil Engineering</i> , 2020, 32, .	3.0	17

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