Prinya Chindaprasirt

List of Publications by Year
in descending order

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344 papers	20,715 citations	9775 73 h-index	13365 130 g-index
354 all docs	354 docs citations	354 times ranked	8536 citing authors

#	Article	IF	Citations
1	NaOH-activated ground fly ash geopolymer cured at ambient temperature. Fuel, 2011, 90, 2118-2124.	3.4	760
2	Influence of NaOH solution on the synthesis of fly ash geopolymer. Minerals Engineering, 2009, 22, 1073-1078.	1.8	668
3	Workability and strength of coarse high calcium fly ash geopolymer. Cement and Concrete Composites, 2007, 29, 224-229.	4.6	660
4	Comparative study on the characteristics of fly ash and bottom ash geopolymers. Waste Management, 2009, 29, 539-543.	3.7	562
5	Effect of fly ash fineness on compressive strength and pore size of blended cement paste. Cement and Concrete Composites, 2005, 27, 425-428.	4.6	467
6	Effect of SiO2 and Al2O3 on the setting and hardening of high calcium fly ash-based geopolymer systems. Journal of Materials Science, 2012, 47, 4876-4883.	1.7	413
7	Workability and strength of lignite bottom ash geopolymer mortar. Journal of Hazardous Materials, 2009, 168, 44-50.	6.5	391
8	Effects of sodium hydroxide and sodium silicate solutions on compressive and shear bond strengths of FAâ€“GBFS geopolymer. Construction and Building Materials, 2015, 91, 1-8.	3.2	357
9	Influence of fly ash fineness on strength, drying shrinkage and sulfate resistance of blended cement mortar. Cement and Concrete Research, 2004, 34, 1087-1092.	4.6	345
10	The effect of adding nano-SiO2 and nano-Al2O3 on properties of high calcium fly ash geopolymer cured at ambient temperature. Materials & Design, 2014, 55, 58-65.	5.1	328
11	Strength, porosity and corrosion resistance of ternary blend Portland cement, rice husk ash and fly ash mortar. Construction and Building Materials, 2008, 22, 1601-1606.	3.2	314
12	Effects of NaOH concentrations on physical and electrical properties of high calcium fly ash geopolymer paste. Cement and Concrete Composites, 2014, 45, 9-14.	4.6	305
13	Effect of fly ash fineness on microstructure of blended cement paste. Construction and Building Materials, 2007, 21, 1534-1541.	3.2	298
14	Resistance of lignite bottom ash geopolymer mortar to sulfate and sulfuric acid attack. Cement and Concrete Composites, 2012, 34, 700-708.	4.6	276
15	Resistance to chloride penetration of blended Portland cement mortar containing palm oil fuel ash, rice husk ash and fly ash. Construction and Building Materials, 2008, 22, 932-938.	3.2	261
16	Compressive strength, modulus of elasticity, and water permeability of inorganic polymer concrete. Materials & Design, 2010, 31, 4748-4754.	5.1	239
17	Cement paste characteristics and porous concrete properties. Construction and Building Materials, 2008, 22, 894-901.	3.2	238
18	High-Strength Geopolymer Using Fine High-Calcium Fly Ash. Journal of Materials in Civil Engineering, 2011, 23, 264-270.	1.3	235

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19	Influence of curing conditions on properties of high calcium fly ash geopolymer containing Portland cement as additive. Materials & Design, 2014, 53, 269-274.	5.1	233
20	Strength and water permeability of concrete containing palm oil fuel ash and rice huskâ€“bark ash. Construction and Building Materials, 2007, 21, 1492-1499.	3.2	222
21	Influence of recycled aggregate on fly ash geopolymer concrete properties. Journal of Cleaner Production, 2016, 112, 2300-2307.	4.6	217
22	High calcium fly ash geopolymer stabilized lateritic soil and granulated blast furnace slag blends as a pavement base material. Journal of Hazardous Materials, 2018, 341, 257-267.	6.5	215
23	Use of palm oil fuel ash as a supplementary cementitious material for producing high-strength concrete. Construction and Building Materials, 2009, 23, 2641-2646.	3.2	212
24	Utilization of bagasse ash in high-strength concrete. Materials & Design, 2012, 34, 45-50.	5.1	212
25	Sulfate resistance of blended cements containing fly ash and rice husk ash. Construction and Building Materials, 2007, 21, 1356-1361.	3.2	210
26	Influence of rice husk ash on mechanical properties and fire resistance of recycled aggregate high-calcium fly ash geopolymer concrete. Journal of Cleaner Production, 2020, 252, 119797.	4.6	200
27	Effect of sodium hydroxide concentration on chloride penetration and steel corrosion of fly ash-based geopolymer concrete under marine site. Construction and Building Materials, 2014, 63, 303-310.	3.2	192
28	Setting Time, Strength, and Bond of High-Calcium Fly Ash Geopolymer Concrete. Journal of Materials in Civil Engineering, 2015, 27, .	1.3	189
29	High calcium fly ash geopolymer mortar containing Portland cement for use as repair material. Construction and Building Materials, 2015, 98, 482-488.	3.2	187
30	Properties of pervious geopolymer concrete using recycled aggregates. Construction and Building Materials, 2013, 42, 33-39.	3.2	179
31	Properties of pervious concrete containing recycled concrete block aggregate and recycled concrete aggregate. Construction and Building Materials, 2016, 111, 15-21.	3.2	174
32	Effect of chemical admixtures on properties of high-calcium fly ash geopolymer. International Journal of Minerals, Metallurgy and Materials, 2011, 18, 364-369.	2.4	173
33	Factors influencing strength development in clayâ€“fly ash geopolymer. Construction and Building Materials, 2013, 47, 1125-1136.	3.2	169
34	Compressive strength and microstructure analysis of geopolymer paste using waste glass powder and fly ash. Journal of Cleaner Production, 2018, 172, 2892-2898.	4.6	169
35	Influence of fly ash fineness on the chloride penetration of concrete. Construction and Building Materials, 2007, 21, 356-361.	3.2	164
36	Compressive strength and degree of reaction of biomass- and fly ash-based geopolymer. Construction and Building Materials, 2010, 24, 236-240.	3.2	163

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37	Pervious high-calcium fly ash geopolymer concrete. Construction and Building Materials, 2012, 30, 366-371.	3.2	156
38	Use of municipal solid waste incinerator (MSWI) bottom ash in high calcium fly ash geopolymer matrix. Journal of Cleaner Production, 2017, 148, 49-59.	4.6	153
39	Utilization of waste glass to enhance physicalâ€“mechanical properties of fired clay brick. Journal of Cleaner Production, 2016, 112, 3057-3062.	4.6	152
40	Properties of metakaolin-high calcium fly ash geopolymer concrete containing recycled aggregate from crushed concrete specimens. Construction and Building Materials, 2018, 161, 365-373.	3.2	152
41	Effect of grinding on chemical and physical properties of rice husk ash. International Journal of Minerals, Metallurgy and Materials, 2009, 16, 242-247.	2.4	147
42	Lightweight geopolymer concrete containing aggregate from recycle lightweight block. Materials & Design, 2013, 52, 580-586.	5.1	146
43	Predicting the chloride penetration of fly ash concrete in seawater. Marine Structures, 2009, 22, 341-353.	1.6	137
44	Resistance to acid and sulfate solutions of microwave-assisted high calcium fly ash geopolymer. Materials and Structures/Materiaux Et Constructions, 2013, 46, 375-381.	1.3	133
45	Effect of palm oil fuel ash fineness on the microstructure of blended cement paste. Construction and Building Materials, 2011, 25, 4095-4104.	3.2	127
46	Improved geopolymerization of bottom ash by incorporating fly ash and using waste gypsum as additive. Cement and Concrete Composites, 2012, 34, 819-824.	4.6	127
47	Mechanical and thermal properties of lightweight geopolymer mortar incorporating crumb rubber. Journal of Cleaner Production, 2018, 195, 1069-1080.	4.6	127
48	Utilization of blended fluidized bed combustion (FBC) ash and pulverized coal combustion (PCC) fly ash in geopolymer. Waste Management, 2010, 30, 667-672.	3.7	124
49	Role of microwave radiation in curing the fly ash geopolymer. Advanced Powder Technology, 2013, 24, 703-707.	2.0	123
50	Mechanical properties, microstructure and drying shrinkage of hybrid fly ash-basalt fiber geopolymer paste. Construction and Building Materials, 2018, 186, 62-70.	3.2	122
51	Flexural performance and toughness of hybrid steel and polypropylene fibre reinforced geopolymer. Construction and Building Materials, 2018, 161, 37-44.	3.2	120
52	Very Low Loss Tangent and High Dielectric Permittivity in Pureâ€<scp><scp>CaCu</scp></scp>₃<scp><scp>Ti</scp></scp>₄<scp><scp>O</scp></scp><sub>12</sub Ceramics Prepared by a Modified Solâ€Gel Process. Journal of the American Ceramic Society, 2012, 95, 1497-1500.	1.9	117
53	Lightweight geopolymer made of highly porous siliceous materials with various Na2O/Al2O3 and SiO2/Al2O3 ratios. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 6616-6623.	2.6	115
54	Influence of rice huskâ€“bark ash on mechanical properties of concrete containing high amount of recycled aggregates. Construction and Building Materials, 2008, 22, 1812-1819.	3.2	114

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55	Recycled aggregate high calcium fly ash geopolymer concrete with inclusion of OPC and nano-SiO2. Construction and Building Materials, 2018, 174, 244-252.	3.2	113
56	Use of lightweight aggregates in pervious concrete. Construction and Building Materials, 2013, 48, 585-591.	3.2	112
57	Natural fiber reinforced high calcium fly ash geopolymer mortar. Construction and Building Materials, 2020, 241, 118143.	3.2	111
58	Sulfate Resistance of Clay-Portland Cement and Clay High-Calcium Fly Ash Geopolymer. Journal of Materials in Civil Engineering, 2015, 27, .	1.3	106
59	Factors affecting the shrinkage of fly ash geopolymers. International Journal of Minerals, Metallurgy and Materials, 2011, 18, 100-104.	2.4	105
60	Use of crushed clay brick and pumice aggregates in lightweight geopolymer concrete. Construction and Building Materials, 2018, 188, 1025-1034.	3.2	100
61	Utilization of fly ash blends from pulverized coal and fluidized bed combustions in geopolymeric materials. Cement and Concrete Composites, 2011, 33, 55-60.	4.6	98
62	Performance of recycled aggregate concrete with rice husk ash as cement binder. Cement and Concrete Composites, 2020, 108, 103533.	4.6	97
63	Strength development and durability of alkali-activated fly ash mortar with calcium carbide residue as additive. Construction and Building Materials, 2018, 162, 714-723.	3.2	95
64	Properties of lightweight fly ash geopolymer concrete containing bottom ash as aggregates. Construction and Building Materials, 2016, 111, 637-643.	3.2	93
65	Strength and resistance to sulfate and sulfuric acid of ground fluidized bed combustion fly ashâ€“silica fume alkali-activated composite. Advanced Powder Technology, 2014, 25, 1087-1093.	2.0	91
66	Properties of high calcium fly ash geopolymer pastes with Portland cement as an additive. International Journal of Minerals, Metallurgy and Materials, 2013, 20, 214-220.	2.4	85
67	Characterization and magnetic properties of cobalt ferrite nanoparticles. Journal of Alloys and Compounds, 2016, 664, 792-797.	2.8	85
68	Lightweight bricks made of diatomaceous earth, lime and gypsum. Ceramics International, 2009, 35, 471-478.	2.3	83
69	Correlation between initial SiO2/Al2O3, Na2O/Al2O3, Na2O/SiO2 and H2O/Na2O ratios on phase and microstructure of reaction products of metakaolin-rice husk ash geopolymer. Construction and Building Materials, 2019, 226, 406-417.	3.2	83
70	Hydrothermal synthesis of calcium sulfoaluminateâ€“belite cement from industrial waste materials. Journal of Cleaner Production, 2016, 115, 273-283.	4.6	82
71	Shrinkage behavior of structural foam lightweight concrete containing glycol compounds and fly ash. Materials & Design, 2011, 32, 723-727.	5.1	78
72	TiO2-zeolite photocatalysts made of metakaolin and rice husk ash for removal of methylene blue dye. Powder Technology, 2017, 313, 417-426.	2.1	77

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73	Effect of carbon dioxide on chloride penetration and chloride ion diffusion coefficient of blended Portland cement mortar. Construction and Building Materials, 2008, 22, 1701-1707.	3.2	76
74	Electrical conductivity and compressive strength of carbon fiber reinforced fly ash geopolymeric composites. Construction and Building Materials, 2017, 135, 164-176.	3.2	76
75	Effect of W/B ratios on pozzolanic reaction of biomass ashes in Portland cement matrix. Cement and Concrete Composites, 2012, 34, 94-100.	4.6	72
76	Controlling ettringite formation in FBC fly ash geopolymer concrete. Cement and Concrete Composites, 2013, 41, 24-28.	4.6	71
77	Electrical conductivity and dielectric property of fly ash geopolymer pastes. International Journal of Minerals, Metallurgy and Materials, 2011, 18, 94-99.	2.4	70
78	Synthesis of nanocomposite hydrogel based carboxymethyl starch/polyvinyl alcohol/nanosilver for biomedical materials. Carbohydrate Polymers, 2020, 248, 116767.	5.1	70
79	Pore Structure Changes of Blended Cement Pastes Containing Fly Ash, Rice Husk Ash, and Palm Oil Fuel Ash Caused by Carbonation. Journal of Materials in Civil Engineering, 2009, 21, 666-671.	1.3	69
80	High-Calcium Bottom Ash Geopolymer: Sorptivity, Pore Size, and Resistance to Sodium Sulfate Attack. Journal of Materials in Civil Engineering, 2013, 25, 105-111.	1.3	69
81	Development of high volume rice husk ash alumino silicate composites. International Journal of Minerals, Metallurgy and Materials, 2010, 17, 654-659.	2.4	68
82	Synthesis of belite cement from lignite fly ash. Ceramics International, 2009, 35, 2415-2425.	2.3	67
83	Low cost and sustainable repair material made from alkali-activated high-calcium fly ash with calcium carbide residue. Construction and Building Materials, 2020, 247, 118543.	3.2	66
84	Use of coal ash as geopolymer binder and coarse aggregate in pervious concrete. Construction and Building Materials, 2015, 96, 289-295.	3.2	65
85	Compressive strength, Bending and Fracture Characteristics of High Calcium Fly Ash Geopolymer Mortar Containing Portland Cement Cured at Ambient Temperature. Arabian Journal for Science and Engineering, 2016, 41, 1263-1271.	1.1	65
86	A study of fly ashâ€“lime granule unfired brick. Powder Technology, 2008, 182, 33-41.	2.1	64
87	Mechanical Properties, Thermal Conductivity, and Sound Absorption of Pervious Concrete Containing Recycled Concrete and Bottom Ash Aggregates. KSCE Journal of Civil Engineering, 2018, 22, 1369-1376.	0.9	64
88	Thermal properties of lightweight concrete incorporating high contents of phase change materials. Construction and Building Materials, 2019, 207, 431-439.	3.2	63
89	Enhancement of mechanical properties of fly ash geopolymer containing fine recycled concrete aggregate with micro carbon fiber. Journal of Building Engineering, 2021, 41, 102403.	1.6	63
90	Synthesis of low-temperature calcium sulfoaluminate-belite cements from industrial wastes and their hydration: Comparative studies between lignite fly ash and bottom ash. Cement and Concrete Composites, 2017, 83, 10-19.	4.6	62

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91	Properties of high-calcium and low-calcium fly ash combination geopolymer mortar containing recycled aggregate. Heliyon, 2019, 5, e02513.	1.4	61
92	Mechanical and micromechanical properties of alkali activated fly-ash cement based on nano-indentation. Construction and Building Materials, 2016, 107, 95-102.	3.2	60
93	Eco-production of silica from sugarcane bagasse ash for use as a photochromic pigment filler. Scientific Reports, 2020, 10, 9890.	1.6	60
94	Influence of fineness of rice husk ash and additives on the properties of lightweight aggregate. Fuel, 2009, 88, 158-162.	3.4	59
95	Improved Dielectric and Nonlinear Electrical Properties of Fineâ€Grained CaCu₃Ti₄O₁₂ Ceramics Prepared by a Glycineâ€Nitrate Process. Journal of the American Ceramic Society, 2014, 97, 1785-1790.	1.9	58
96	Influence of fly ash fineness and shape on the porosity and permeability of blended cement pastes. International Journal of Minerals, Metallurgy and Materials, 2010, 17, 683-690.	2.4	55
97	Polyvinyl Alcohol (PVA)/Starch Bioactive Packaging Film Enriched with Antioxidants from Spent Coffee Ground and Citric Acid. Journal of Polymers and the Environment, 2018, 26, 3762-3772.	2.4	55
98	A Mix Design Procedure for Alkali-Activated High-Calcium Fly Ash Concrete Cured at Ambient Temperature. Advances in Materials Science and Engineering, 2018, 2018, 1-13.	1.0	55
99	Significantly improving the giant dielectric properties of CaCu3Ti4O12 ceramics by co-doping with Sr2+ and F- ions. Materials Research Bulletin, 2021, 133, 111043.	2.7	55
100	Potassium alkali concentration and heat treatment affected metakaolin-based geopolymer. Construction and Building Materials, 2016, 104, 293-297.	3.2	54
101	Improved giant dielectric properties of CaCu₃Ti₄O₁₂via simultaneously tuning the electrical properties of grains and grain boundaries by F^{â^'} substitution. RSC Advances, 2017, 7, 4092-4101.	1.7	54
102	Changes in compressive strength, microstructure and magnetic properties of a high-calcium fly ash geopolymer subjected to high temperatures. Construction and Building Materials, 2020, 265, 120650.	3.2	54
103	Drying shrinkage, strength and microstructure of alkali-activated high-calcium fly ash using FGD-gypsum and dolomite as expansive additive. Cement and Concrete Composites, 2020, 114, 103760.	4.6	54
104	Characterization of the high-calcium fly ash geopolymer mortar with hot-weather curing systems for sustainable application. Advanced Powder Technology, 2017, 28, 2317-2324.	2.0	53
105	Pressed lightweight concrete containing calcined diatomite aggregate. Construction and Building Materials, 2013, 47, 896-901.	3.2	49
106	Thermogravimetry of ternary cement blends. Journal of Thermal Analysis and Calorimetry, 2013, 113, 1079-1090.	2.0	48
107	Optimizing mix proportion and properties of lightweight concrete incorporated phase change material paraffin/recycled concrete block composite. Construction and Building Materials, 2016, 127, 475-483.	3.2	48
108	Effect of sodium hydroxide and sodium silicate solutions on strengths of alkali activated high calcium fly ash containing Portland cement. KSCE Journal of Civil Engineering, 2017, 21, 2202-2210.	0.9	47

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109	Cellular Lightweight Concrete Containing Pozzolan Materials. Procedia Engineering, 2011, 14, 1157-1164.	1.2	46
110	Use of Palm Oil Fuel Ash to Improve Chloride and Corrosion Resistance of High-Strength and High-Workability Concrete. Journal of Materials in Civil Engineering, 2011, 23, 499-503.	1.3	46
111	Properties of lightweight high calcium fly ash geopolymer concretes containing recycled packaging foam. Construction and Building Materials, 2015, 94, 408-413.	3.2	46
112	Resistance to sulfate attack and underwater abrasion of fiber reinforced cement mortar. Construction and Building Materials, 2018, 189, 686-694.	3.2	46
113	Optimization of Biodegradable Foam Composites from Cassava Starch, Oil Palm Fiber, Chitosan and Palm Oil Using Taguchi Method and Grey Relational Analysis. Journal of Polymers and the Environment, 2017, 25, 378-390.	2.4	45
114	Curing kinetic, thermal and adhesive properties of epoxy resin cured with cashew nut shell liquid. Thermochimica Acta, 2015, 600, 20-27.	1.2	44
115	Cellular lightweight concrete containing high-calcium fly ash and natural zeolite. International Journal of Minerals, Metallurgy and Materials, 2013, 20, 462-471.	2.4	43
116	Portland Cement-TiO2 triboelectric nanogenerator for robust large-scale mechanical energy harvesting and instantaneous motion sensor applications. Nano Energy, 2020, 74, 104802.	8.2	43
117	Types of waste, properties, and durability of pore-forming waste-based fired masonry bricks. , 2015, , 103-127.		42
118	Characterization of an environment friendly lightweight concrete containing ethyl vinyl acetate waste. Materials and Design, 2016, 96, 350-356.	3.3	42
119	Influence of loading history upon the compressive properties of concrete. Magazine of Concrete Research, 1980, 32, 89-100.	0.9	41
120	Leaching of heavy metals from solidified waste using Portland cement and zeolite as a binder. Waste Management, 2012, 32, 1459-1467.	3.7	41
121	Thermal treatment and utilization of Al-rich waste in high calcium fly ash geopolymeric materials. International Journal of Minerals, Metallurgy and Materials, 2012, 19, 872-878.	2.4	41
122	Improvement of durability of cement pipe with high calcium fly ash geopolymer covering. Construction and Building Materials, 2016, 112, 956-961.	3.2	41
123	Investigation on the strength, chloride migration, and water permeability of eco-friendly concretes from industrial by-product materials. Journal of Cleaner Production, 2018, 172, 1691-1698.	4.6	39
124	Assessing the effect of biomass ashes with different finenesses on the compressive strength of blended cement paste. Materials & Design, 2012, 42, 424-433.	5.1	38
125	Recycled Concrete Aggregates in Roadways: Laboratory Examination of Self-Cementing Characteristics. Journal of Materials in Civil Engineering, 2015, 27, .	1.3	38
126	Pressed lightweight fly ash-OPC geopolymer concrete containing recycled lightweight concrete aggregate. Construction and Building Materials, 2016, 127, 450-456.	3.2	38

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127	Utilization of hemp concrete using hemp shiv as coarse aggregate with aluminium sulfate [Al2(SO4)3] and hydrated lime [Ca(OH)2] treatment. Construction and Building Materials, 2017, 156, 435-442.	3.2	38
128	Fire-resistant geopolymer bricks synthesized from high-calcium fly ash with outdoor heat exposure. Clean Technologies and Environmental Policy, 2018, 20, 1097-1103.	2.1	38
129	Mixed cement containing fly ash for masonry and plastering work. Construction and Building Materials, 2005, 19, 612-618.	3.2	37
130	Characterizations of FBC/PCC fly ash geopolymeric composites. Construction and Building Materials, 2014, 66, 72-78.	3.2	37
131	Apatite formation on calcined kaolinâ€“white Portland cement geopolymer. Materials Science and Engineering C, 2015, 51, 1-6.	3.8	37
132	Properties of wood flour/expanded polystyrene waste composites modified with diammonium phosphate flame retardant. Polymer Composites, 2015, 36, 604-612.	2.3	37
133	Effect of calcium-rich compounds on setting time and strength development of alkali-activated fly ash cured at ambient temperature. Case Studies in Construction Materials, 2018, 9, e00198.	0.8	36
134	Creep properties of cement and alkali activated fly ash materials using nanoindentation technique. Construction and Building Materials, 2018, 168, 547-555.	3.2	35
135	Fabrication of durable superhydrophobic epoxy/cashew nut shell liquid based coating containing flower-like zinc oxide for continuous oil/water separation. Surface and Coatings Technology, 2019, 366, 106-113.	2.2	35
136	Effect of Oregano Essential Oil Content on Properties of Green Biocomposites Based on Cassava Starch and Sugarcane Bagasse for Bioactive Packaging. Journal of Polymers and the Environment, 2018, 26, 311-318.	2.4	34
137	Exponentially aging functions coupled with time-dependent chloride transport model for predicting service life of surface-treated concrete in tidal zone. Cement and Concrete Research, 2019, 120, 1-12.	4.6	34
138	Autogenous and drying shrinkages of mortars and pore structure of pastes made with activated binder of calcium carbide residue and fly ash. Construction and Building Materials, 2020, 230, 116962.	3.2	34
139	Effect of fly ash/silica fume ratio and curing condition on mechanical properties of fiber-reinforced geopolymer. Journal of Sustainable Cement-Based Materials, 2020, 9, 218-232.	1.7	34
140	Strength and Carbonation Model of Rice Husk Ash Cement Mortar with Different Fineness. Journal of Materials in Civil Engineering, 2010, 22, 253-259.	1.3	33
141	Plaster materials from waste calcium sulfate containing chemicals, organic fibers and inorganic additives. Construction and Building Materials, 2011, 25, 3193-3203.	3.2	33
142	Use of phase change material to improve thermal properties of lightweight geopolymer panel. Materials and Structures/Materiaux Et Constructions, 2016, 49, 4637-4645.	1.3	33
143	Mechanical properties, chloride resistance and microstructure of Portland fly ash cement concrete containing high volume bagasse ash. Journal of Building Engineering, 2020, 31, 101415.	1.6	33
144	Comparative study on morphology of ground sub-bituminus FBC fly ash geopolymeric material. Advanced Powder Technology, 2015, 26, 1053-1057.	2.0	32

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145	Durability and Mechanical Properties of Pavement Concrete Containing Bagasse Ash. Materials Today: Proceedings, 2019, 17, 1612-1626.	0.9	32
146	Effect of self-treatment process on properties of natural fiber-reinforced geopolymer composites. Materials and Manufacturing Processes, 2020, 35, 1120-1128.	2.7	32
147	Strength and chloride resistance of blended Portland cement mortar containing palm oil fuel ash and fly ash. International Journal of Minerals, Metallurgy and Materials, 2009, 16, 475-481.	2.4	31
148	Lime-calcined clay materials with alkaline activation: Phase development and reaction transition zone. Applied Clay Science, 2014, 95, 357-364.	2.6	31
149	Bioactive Starch Foam Composite Enriched With Natural Antioxidants from Spent Coffee Ground and Essential Oil. Starch/Staerke, 2018, 70, 1700238.	1.1	31
150	Improving thermal properties of exterior plastering mortars with phase change materials with different melting temperatures: paraffin and polyethylene glycol. Advances in Building Energy Research, 2019, 13, 220-240.	1.1	31
151	Synthesis and characterization of Ba0.85Ca0.15Ti0.9Zr0.1O3 ceramics by hydrothermal method. Ceramics International, 2014, 40, 13025-13031.	2.3	30
152	Use of ternary blend of Portland cement and two pozzolans to improve durability of high-strength concrete. KSCE Journal of Civil Engineering, 2014, 18, 1745-1752.	0.9	30
153	Mechanical and Thermal Properties of Recycling Lightweight Pervious Concrete. Arabian Journal for Science and Engineering, 2015, 40, 443-450.	1.1	30
154	Optical and dielectric properties of nano-sized tricalcium aluminate hexahydrate (C3AH6) cement. Construction and Building Materials, 2018, 179, 57-65.	3.2	30
155	Bioactive Nanocomposite Film Based on Cassava Starch/Polyvinyl Alcohol Containing Green Synthesized Silver Nanoparticles. Journal of Polymers and the Environment, 2021, 29, 672-684.	2.4	30
156	Geopolymer/Zeolite composite materials with adsorptive and photocatalytic properties for dye removal. PLoS ONE, 2020, 15, e0241603.	1.1	30
157	An evaluation of the suitability of SUPERPAVE and Marshall asphalt mix designs as they relate to Thailandâ€™s climatic conditions. Construction and Building Materials, 2013, 40, 961-970.	3.2	29
158	Effect of particle size on the dielectric and piezoelectric properties of 0â€“3BCTZO/cement composites. Ceramics International, 2014, 40, 1209-1213.	2.3	29
159	Thermal storage properties of lightweight concrete incorporating phase change materials with different fusion points in hybrid form for high temperature applications. Heliyon, 2020, 6, e04863.	1.4	29
160	Fatigue Assessment of Cement-Treated Base for Roads: An Examination of Beam-Fatigue Tests. Journal of Materials in Civil Engineering, 2016, 28, .	1.3	28
161	Characterization of porous alkali-activated fly ash composite as a solid absorbent. International Journal of Greenhouse Gas Control, 2019, 85, 30-35.	2.3	28
162	Use of recycled aggregates in pressed fly ash geopolymer concrete. Environmental Progress and Sustainable Energy, 2020, 39, e13327.	1.3	28

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163	Resistance to algae and fungi formation of high calcium fly ash geopolymer paste containing TiO2. Journal of Building Engineering, 2019, 25, 100817.	1.6	27
164	Cement mortars hybridized with zeolite and zeolite-like materials made of lignite bottom ash for heavy metal encapsulation. Journal of Cleaner Production, 2013, 41, 31-41.	4.6	26
165	Effect of High-Speed Mixing on Properties of High Calcium Fly Ash Geopolymer Paste. Arabian Journal for Science and Engineering, 2014, 39, 6001-6007.	1.1	26
166	Structural Lightweight Concrete Containing Recycled Lightweight Concrete Aggregate. KSCE Journal of Civil Engineering, 2018, 22, 3077-3084.	0.9	26
167	Effects of carbon fiber on mechanical and electrical properties of fly ash geopolymer composite. Materials Today: Proceedings, 2018, 5, 14017-14025.	0.9	26
168	Abrasion resistance behaviour of fly ash based geopolymer using nanoindentation and artificial neural network. Construction and Building Materials, 2019, 212, 635-644.	3.2	26
169	An investigation of sulfate effects on compaction characteristics and strength development of cement-treated sulfate bearing clay subgrade. Road Materials and Pavement Design, 2021, 22, 2396-2409.	2.0	26
170	Fabrication of self-cleaning fly ash/polytetrafluoroethylene material for cement mortar spray-coating. Journal of Cleaner Production, 2020, 264, 121748.	4.6	26
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