

Romisuhani Ahmad

List of Publications by Year in descending order

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papers

335
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1307594

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Properties of low-density polyethylene/palm kernel shell composites: Effect of polyethylene co-acrylic acid. <i>Journal of Thermoplastic Composite Materials</i> , 2013, 26, 3-15.	4.2	49
2	Potential of Soil Stabilization Using Ground Granulated Blast Furnace Slag (GGBFS) and Fly Ash via Geopolymerization Method: A Review. <i>Materials</i> , 2022, 15, 375.	2.9	46
3	Geopolymer as underwater concreting material: A review. <i>Construction and Building Materials</i> , 2021, 291, 123276.	7.2	37
4	Evaluation on the Mechanical Properties of Ground Granulated Blast Slag (GGBS) and Fly Ash Stabilized Soil via Geopolymer Process. <i>Materials</i> , 2021, 14, 2833.	2.9	34
5	Effect of filler loading and coconut oil coupling agent on properties of low-density polyethylene and palm kernel shell eco-composites. <i>Journal of Vinyl and Additive Technology</i> , 2016, 22, 200-205.	3.4	22
6	Kaolin Geopolymer as Precursor to Ceramic Formation. <i>MATEC Web of Conferences</i> , 2016, 78, 01061.	0.2	17
7	Characterization and Microstructure of Kaolin-Based Ceramic Using Geopolymerization. <i>Key Engineering Materials</i> , 0, 700, 3-11.	0.4	14
8	Effect of kaolin geopolymer ceramic addition on the properties of Sn-3.0Ag-0.5Cu solder joint. <i>Materials Today Communications</i> , 2020, 25, 101469.	1.9	12
9	Reviews on Clay Geopolymer Ceramic Using Powder Metallurgy Method. <i>Materials Science Forum</i> , 0, 803, 81-87.	0.3	8
10	Correlation between Thermal Insulation Properties with Compressive Strength and Density of Lightweight Geopolymer. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 864, 012040.	0.6	7
11	Role of Sintering Temperature in Production of Nepheline Ceramics-Based Geopolymer with Addition of Ultra-High Molecular Weight Polyethylene. <i>Materials</i> , 2021, 14, 1077.	2.9	7
12	A Review of Carbonate Minerals as an Additive to Geopolymer Materials. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 551, 012084.	0.6	6
13	The Effect of Geopolymer Ceramic Additions to The Wettability and Shear strength of Sn-Ag-Cu (SAC) Solder: A Preliminary Study. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 551, 012081.	0.6	6
14	The Effect of Different Crumb Rubber Loading on the Properties of Fly Ash-Based Geopolymer Concrete. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 551, 012079.	0.6	6
15	Characterization of Fly ash and Ground Granulated Blast Slag for Soil Stabilization Application Using Geopolymerization Method. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 864, 012013.	0.6	6
16	Review on Development of Clay Based Geopolymer Ceramic Composites. <i>Materials Science Forum</i> , 2014, 803, 37-43.	0.3	5
17	Influence of kaolin geopolymer ceramic additions to the wettability and electrical properties of Sn-3.0Ag-0.5Cu (SAC305) lead free solder. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 701, 012033.	0.6	5
18	Correlation between $\text{Na}^+_{2\text{SiO}_3}/\text{NaOH}$ and NaOH Molarity to Flexural Strength of Geopolymer Ceramic. <i>Applied Mechanics and Materials</i> , 0, 754-755, 152-156.	0.2	4

#	ARTICLE	IF	CITATIONS
19	The Influence of Sintering Method on Kaolin-Based Geopolymer Ceramics with Addition of Ultra High Molecular Weight Polyethylene as Binder. IOP Conference Series: Materials Science and Engineering, 2017, 267, 012013.	0.6	4
20	The Effects of Solid to Liquid Ratio on Fly Ash Based Lightweight Geopolymer. IOP Conference Series: Materials Science and Engineering, 2020, 877, 012013.	0.6	4
21	The Effect of Seawater on The Strength, Microstructure and Elemental Distribution of Fly Ash/ Kaolin Based Underwater Geopolymer. IOP Conference Series: Materials Science and Engineering, 2020, 864, 012014.	0.6	4
22	Heat Evolution of Class C Fly Ash Geopolymers with Different Molarity of Sodium Hydroxide: Nucleation Growth and Morphology Properties towards Early Strength Evaluation. IOP Conference Series: Materials Science and Engineering, 2020, 864, 012008.	0.6	4
23	XRD and FTIR study of the effect of ultra high molecular weight polyethylene (UHMWPE) as binder on kaolin geopolymer ceramics. AIP Conference Proceedings, 2017, , .	0.4	3
24	Performance of Geopolymer Concrete when Exposed to Marine Environment. IOP Conference Series: Materials Science and Engineering, 2019, 551, 012092.	0.6	3
25	Microstructure and Mechanical Properties of Geopolymer Ceramic Reinforced Sn-0.7Cu Solder. IOP Conference Series: Materials Science and Engineering, 2020, 864, 012041.	0.6	3
26	The Effect of Solid-to-Liquid Ratio and Temperature on Mechanical Properties of Kaolin Geopolymer Ceramics. Key Engineering Materials, 0, 660, 23-27.	0.4	2
27	Effect of Ultra High Molecular Weight Polyethylene (UHMWPE) as Binder and Sintering Temperature in Kaolin Geopolymer Ceramics on Flexural Strength. Materials Science Forum, 0, 857, 412-415.	0.3	2
28	Properties and Microstructural Characteristic of Kaolin Geopolymer Ceramics with Addition of Ultra High Molecular Weight Polyethylene. IOP Conference Series: Materials Science and Engineering, 2016, 133, 012023.	0.6	2
29	Characterization of geopolymer ceramic reinforced Sn-0.7Cu composite solder: Effect of milling time and speed.. IOP Conference Series: Materials Science and Engineering, 2019, 701, 012016.	0.6	2
30	Aggregate impact value (AIV) of fly ash geopolymer artificial aggregate at different sodium hydroxide (NaOH) concentration. AIP Conference Proceedings, 2020, , .	0.4	2
31	Development of Geopolymer Ceramic as a Potential Reinforcing Material in Solder Alloy: Short review. IOP Conference Series: Materials Science and Engineering, 2020, 743, 012023.	0.6	2
32	Synthesis and Characterization of Fly ash based Geopolymer Ceramics: Effect of NaOH Concentration. IOP Conference Series: Materials Science and Engineering, 2020, 743, 012014.	0.6	2
33	Mechanical and physical properties of bottom ash/fly ash geopolymer for pavement brick application. IOP Conference Series: Materials Science and Engineering, 2020, 743, 012029.	0.6	1
34	Heavy metals reduction using electrocoagulation in enhancing the water quality near unlined landfill: A case study. IOP Conference Series: Earth and Environmental Science, 2021, 646, 012003.	0.3	1
35	Fabrication of Lightweight Ceramic Materials Using Geopolymer Technology. Lecture Notes in Civil Engineering, 2021, , 167-189.	0.4	1
36	Effects of Thermal Resistance to Fly Ash-Based Lightweight Geopolymer. IOP Conference Series: Materials Science and Engineering, 0, 551, 012082.	0.6	1

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37	Assessing the Applicability of Ecological Materials Obtained with CRT Glass. IOP Conference Series: Earth and Environmental Science, 0, 616, 012048.	0.3	1
38	Preface: 2016 International Conference on Advanced Materials Engineering and Technology. AIP Conference Proceedings, 2017, , .	0.4	0
39	Influence of Solid-To-Liquid Ratio on Properties of Fly Ash Geopolymer Ceramics. IOP Conference Series: Materials Science and Engineering, 2019, 551, 012083.	0.6	0
40	Physical properties of Sn-3.0Ag-0.5Cu lead-free solder with the additional of SiC particles. IOP Conference Series: Materials Science and Engineering, 2019, 701, 012030.	0.6	0
41	The Relation between Density and Flexural Strength of Geopolymer Based Ceramic with Addition of Ultra High Molecular Weight Polyethylene (UHMWPE) for Lightweight Ceramics. Materials Science Forum, 0, 967, 286-291.	0.3	0
42	Geopolymer Ceramic as Piezoelectric Materials: A Review. IOP Conference Series: Materials Science and Engineering, 2020, 864, 012044.	0.6	0
43	Impact of Thermal Ageing and Multiple Reflow on Lead Free Composite Solder : A Short Review. IOP Conference Series: Materials Science and Engineering, 2020, 957, 012063.	0.6	0
44	Void Distributions in Sn-3.0Ag-0.5Cu (SAC305) Composite Lead Free Solder Subjected to Thermal Ageing Using Acoustic Micro Imaging Technique. IOP Conference Series: Materials Science and Engineering, 2020, 877, 012014.	0.6	0
45	Comparison Study on Microstructure Properties of Kaolin Based Geopolymer Ceramics with Addition of UHMWPE under Different Sintering Condition. IOP Conference Series: Materials Science and Engineering, 2020, 877, 012015.	0.6	0
46	Synthesis and characterization of metakaolin geopolymer-MgO NPs green composite for heat protection. AIP Conference Proceedings, 2020, , .	0.4	0
47	A Review of Morphology Analysis on Dolomite as an Additive Material in Geopolymer. IOP Conference Series: Materials Science and Engineering, 2020, 743, 012024.	0.6	0
48	Technological Properties of Fly Ash-Based Lightweight Geopolymer Brick. Lecture Notes in Civil Engineering, 2021, , 25-50.	0.4	0
49	Comparison between activated carbon and sand filtration method for water quality enhancement: A case study. IOP Conference Series: Earth and Environmental Science, 2021, 646, 012050.	0.3	0
50	Enhancement of water quality using natural coagulant in Shah Alam Lakes, Malaysia. IOP Conference Series: Earth and Environmental Science, 2021, 646, 012051.	0.3	0
51	Thermal and catalytic pyrolysis of palm-pressed fibre (PPF) with copper oxide doped zirconia (CuO/ZrO ₂) catalyst in a fixed-bed reactor. IOP Conference Series: Materials Science and Engineering, 0, 932, 012009.	0.6	0
52	Effect of different NaOH molarity towards fly ash based geopolymer for underwater concreting. AIP Conference Proceedings, 2020, , .	0.4	0
53	Addition of dolomite into metakaolin as geopolymer: A preliminary study. AIP Conference Proceedings, 2020, , .	0.4	0
54	Properties of Blended Alkaline System Geopolymer- A Review. IOP Conference Series: Materials Science and Engineering, 0, 743, 012015.	0.6	0