Kamarudin Hussin

List of Publications by Year in Descending Order

175 papers	2,751 citations	27 h-index	47 g-index
190 ext. papers	3,231 ext. citations	1.6 avg, IF	5.14 L-index

#	Paper	IF	Citations
175	The Effects of Various Concentrations of NaOH on the Inter-Particle Gelation of a Fly Ash Geopolymer Aggregate. *Materials*, **2021**, 14,	3.5	13
174	Role of Sintering Temperature in Production of Nepheline Ceramics-Based Geopolymer with Addition of Ultra-High Molecular Weight Polyethylene. *Materials*, **2021**, 14,	3.5	2
173	Technological Properties of Fly Ash-Based Lightweight Geopolymer Brick. *Lecture Notes in Civil Engineering*, **2021**, 25-50	0.3	
172	Aggregate impact value (AIV) of fly ash geopolymer artificial aggregate at different sodium hydroxide (NaOH) concentration **2020**,		1
171	Correlation between pore structure, compressive strength and thermal conductivity of porous metakaolin geopolymer. *Construction and Building Materials*, **2020**, 247, 118641	6.7	52
170	Strength Development and Elemental Distribution of Dolomite/Fly Ash Geopolymer Composite under Elevated Temperature. *Materials*, **2020**, 13,	3.5	17
169	Compressive strength and thermal conductivity of metakaolin geopolymers with anisotropic insulations. *IOP Conference Series: Materials Science and Engineering*, **2020**, 743, 012005	0.4	
168	Manufacturing parameters influencing fire resistance of geopolymers: A review. *Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications*, **2019**, 233, 721-733	1.3	5
167	Characterisation and understanding of Portland cement mortar with different sizes of bottom ash. *Advances in Cement Research*, **2018**, 30, 66-74	1.8	5
166	Effect of Geopolymer Coating on Mild Steel. *Solid State Phenomena*, **2018**, 273, 175-180	0.4	9
165	Characteristic and Morphology of Palm Waste Filled Thermoplastic Composites. *Solid State Phenomena*, **2018**, 280, 415-421	0.4	
164	Effects of Palm Waste Filled Thermoplastic Composites on Dynamic Mechanical Analysis. *Solid State Phenomena*, **2018**, 280, 422-430	0.4	
163	Thermal Resistance of Fly Ash Geopolymers with Alumina as Additive. *Solid State Phenomena*, **2018**, 281, 182-188	0.4	1
162	The Mechanical Properties and Thermal Resistance of Fly Ash Geopolymer Foams. *Solid State Phenomena*, **2018**, 281, 175-181	0.4	1
161	Thermal Resistance Variations of Fly Ash Geopolymers: Foaming Responses. *Scientific Reports*, **2017**, 7, 45355	4.9	65
160	Effect of different sintering temperature on fly ash based geopolymer artificial aggregate **2017**,		1
159	Density and morphology studies on bottom ash and fly ash geopolymer brick **2017**,		1

158	Correlation between hardness and water absorption properties of Saudi kaolin and white clay geopolymer coating **2017**,		1
157	Mechanical properties effect on molarity of epoxy hardener filled with geopolymer materials for piping application: Flexural properties **2017**,		1
156	Geopolymer lightweight bricks manufactured from fly ash and foaming agent **2017**,		9
155	Study on quality improvement of palm trunk by thermoplastic impregnation **2017**,		1
154	Formation of one-part-mixing geopolymers and geopolymer ceramics from geopolymer powder. *Construction and Building Materials*, **2017**, 156, 9-18	6.7	63
153	Effect of Ultra High Molecular Weight Polyethylene (UHMWPE) as Binder and Sintering Temperature in Kaolin Geopolymer Ceramics on Flexural Strength. *Materials Science Forum*, **2016**, 857, 412-415	0.4	2
152	A Review on Fly Ash Based Geopolymer Rubberized Concrete. *Key Engineering Materials*, **2016**, 700, 183-196	0.4	6
151	The Effects of Trans-Polyoctylene Rubber (TOR) on the Cure Characteristics and Swelling Behaviour of Activated Carbon Filled Styrene Butadiene Rubber (SBR) Vulcanizates. *Materials Science Forum*, **2016**, 857, 164-168	0.4	
150	Morphology and Properties of Geopolymer Coatings on Glass Fibre-Reinforced Epoxy (GRE) pipe. *MATEC Web of Conferences*, **2016**, 78, 01069	0.3	4
149	Strength of Portland Cement with Several Composition of Bottom Ash in Different Fineness with Curing Time of 28 Days. *Materials Science Forum*, **2016**, 857, 311-313	0.4	
148	Adhesion Study of Kaolin and White Clay as Source Materials on Non-Metallic Substrate in Geopolymer Coating. *Materials Science Forum*, **2016**, 841, 55-58	0.4	3
147	Compressive Properties of White Clay Based Geopolymer Filled Epoxy Composite. *Materials Science Forum*, **2016**, 841, 30-33	0.4	1
146	Potential of Geopolymer Mortar as Concrete Repairing Materials. *Materials Science Forum*, **2016**, 857, 382-387	0.4	12
145	Optical Data Support on Flexural Strength of Kaolin Coated Lumber Wood via Geopolymer Technology. *Materials Science Forum*, **2016**, 857, 431-436	0.4	
144	Performances of Artificial Lightweight Geopolymer Aggregate (ALGA) in OPC Concrete. *Key Engineering Materials*, **2016**, 673, 29-35	0.4	2
143	Effect of Mixing Technique on Epoxy Resin Nanocomposites Filled Fly Ash Based Geopolymer to Compressive Properties. *Key Engineering Materials*, **2016**, 673, 55-63	0.4	7
142	Mechanical and thermal properties of organosolv lignin/sodium dodecyl sulphate binary agent-treated polypropylene/chitosan composites. *Polymer Bulletin*, **2016**, 73, 1427-1445	2.4	6
141	Correlation between Mix Design Study and Flexural Strength of Kaolin Coated Lumber Wood via Geopolymer Technology. *Materials Science Forum*, **2016**, 841, 34-39	0.4	

140	Effect of Microwave Curing to the Compressive Strength of Fly Ash Based Geopolymer Mortar. *Materials Science Forum*, **2016**, 841, 193-199	0.4	4
139	Assessment to the Solid to Liquid Ratios on the Soil Strength and Water Absorption of the Kedahâ Soil. *Materials Science Forum*, **2016**, 841, 59-64	0.4	2
138	The Strength of Bottom Ash-Based Geopolymer Brick with Inclusion of Fly Ash. *Materials Science Forum*, **2016**, 841, 26-29	0.4	6
137	A study on hardness behavior of geopolymer paste in different condition **2016**,		3
136	Characterization of Alum Crystals Synthesized from Waste Aluminium Beverage Cans. *Materials Science Forum*, **2016**, 857, 514-518	0.4	
135	Adhesiveness of Kaolin Based Coating Material on Lumber Wood. *Key Engineering Materials*, **2016**, 673, 47-54	0.4	2
134	Tin (Sn) Recovery from Wave Soldering Lead Free Solder Dross via Hydrochloric Acid Leaching and Combustion Treatment. *Materials Science Forum*, **2016**, 857, 535-539	0.4	2
133	Interrelationship of Kaolin, Alkaline Liquid Ratio and Strength of Kaolin Geopolymer. *IOP Conference Series: Materials Science and Engineering*, **2016**, 133, 012004	0.4	9
132	Manufacturing of Fire Resistance Geopolymer: A Review. *MATEC Web of Conferences*, **2016**, 78, 01023	0.3	14
131	Effect Of Crumb Rubber On Compressive Strength Of Fly Ash Based Geopolymer Concrete. *MATEC Web of Conferences*, **2016**, 78, 01063	0.3	11
130	Review on Different Types of Geopolymer Concrete Fibres. *Materials Science Forum*, **2016**, 857, 388-394	0.4	1
129	Effect of NaOH Concentration on Flexural Strength, Phase Formation and Microstructural Development of Kaolin Geopolymer Ceramic. *Materials Science Forum*, **2016**, 857, 405-411	0.4	8
128	Characterization and Microstructure of Kaolin-Based Ceramic Using Geopolymerization. *Key Engineering Materials*, **2016**, 700, 3-11	0.4	11
127	Effect of Solids-To-Liquids, Na2SiO3-To-NaOH and Curing Temperature on the Palm Oil Boiler Ash (Si + Ca) Geopolymerisation System. *Materials*, **2015**, 8, 2227-2242	3.5	78
126	Epoxy Layered Silicates with Fly Ash-Based Geopolymer: Flexural Properties. *Materials Science Forum*, **2015**, 819, 290-294	0.4	5
125	A Review of Fly Ash-Based Geopolymer Lightweight Bricks. *Applied Mechanics and Materials*, **2015**, 754-755, 452-456	0.3	14
124	Effect of Solid/Liquid Ratio on Mechanical Properties of Kaolin Coated Teak Wood via Geopolymer Technology. *Applied Mechanics and Materials*, **2015**, 754-755, 708-713	0.3	2
123	New Concrete with Recycled Aggregates from Leftover Concrete. *Applied Mechanics and Materials*, **2015**, 754-755, 389-394	0.3	4

122	Mechanical Properties of Artificial Lightweight Geopolymer Aggregate (ALGA) Concreteusing Volcano Mud with Various Sintering Temperature. *Applied Mechanics and Materials*, **2015**, 754-755, 279-283	0.3	2
121	Effect of Hybrid Fillers on the Thermal Properties of UHMWPE/Chitosan-ZnO Composites. *Applied Mechanics and Materials*, **2015**, 754-755, 71-76	0.3	
120	Optimization of NaOH Molarity, LUSI Mud/Alkaline Activator, and Na2SiO3/NaOH Ratio to Produce Lightweight Aggregate-Based Geopolymer. *International Journal of Molecular Sciences*, **2015**, 16, 11629-47	2.3	23
119	Effect of Solution Treatment Temperature on Tensile Strength of Al-Mg-Si Alloy. *Materials Science Forum*, **2015**, 819, 39-44	0.4	3
118	The Effect of Solid-to-Liquid Ratio and Temperature on Mechanical Properties of Kaolin Geopolymer Ceramics. *Key Engineering Materials*, **2015**, 660, 23-27	0.4	1
117	Joining Dissimilar Metals between Steel and Aluminum by TIG Welding. *Materials Science Forum*, **2015**, 819, 45-49	0.4	3
116	A Review on Processing and Properties of Bottom Ash Based Geopolymer Materials. *Key Engineering Materials*, **2015**, 660, 3-8	0.4	3
115	A Review on Mechanical Properties of Geopolymer Composites for High Temperature Application. *Key Engineering Materials*, **2015**, 660, 34-38	0.4	11
114	Development of Fly Ash-Based Geopolymer Lightweight Bricks Using Foaming Agent - A Review. *Key Engineering Materials*, **2015**, 660, 9-16	0.4	10
113	Epoxy Hardener Filled with Geopolymer Materials for Piping Application: Flexural Properties. *Key Engineering Materials*, **2015**, 660, 44-48	0.4	2
112	Kaolin-Based Geopolymer Filled Epoxy-Layered Silicates: Compressive Properties. *Applied Mechanics and Materials*, **2015**, 754-755, 220-224	0.3	1
111	The Influence of NaOH Concentration on Molar Ratios of Palm Oil Boiler Ash Based Geopolymer. *Applied Mechanics and Materials*, **2015**, 754-755, 245-250	0.3	
110	Fire Resistant Properties of Geopolymers: A Review. *Key Engineering Materials*, **2015**, 660, 39-43	0.4	11
109	Properties of High Density Polyethylene (HDPE)/Recycled Acrylonitrile Butadiene Rubber (NBRr)/Banana Skin Powder (BSP) Composites: Oven Ageing. *Applied Mechanics and Materials*, **2015**, 754-755, 197-200	0.3	0
108	A Review â Manufacturing on Rubberized Concrete Filled Recycled Tire Rubber. *Key Engineering Materials*, **2015**, 660, 249-253	0.4	1
107	The Electrical Resistivity of Geopolymer Paste by Using Wenner Four Probe Method. *Key Engineering Materials*, **2015**, 660, 28-33	0.4	5
106	Review of Soil Stabilization Techniques: Geopolymerization Method one of the New Technique. *Key Engineering Materials*, **2015**, 660, 298-304	0.4	11
105	Synthesis of Alum from Discarded Aluminium Beverage Cans. *Key Engineering Materials*, **2015**, 660, 284-288	0.4	1

104	The Properties of Linear Low Density Polyethylene/Cyperus Odoratus (LLDPE/CY) Blends: Effect of Sodium Hydroxide. *Applied Mechanics and Materials*, **2015**, 815, 69-73	0.3	0
103	Review of Geopolymer Materials for Thermal Insulating Applications. *Key Engineering Materials*, **2015**, 660, 17-22	0.4	11
102	Flood Mud as Geopolymer Precursor Materials: Effect of Flood Mud/Alkaline Activator and Na2SiO3/NaOH Ratios on Compressive Strength. *Applied Mechanics and Materials*, **2015**, 815, 170-176	0.3	
101	Chitosan-filled polypropylene composites: The effect of filler loading and organosolv lignin on mechanical, morphological and thermal properties. *Fibers and Polymers*, **2014**, 15, 800-808	2	23
100	Glass formation and the third harmonic generation of Cu2SeâGeSe2âAs2Se3 glasses. *Journal of Applied Physics*, **2014**, 116, 143102	2.5	2
99	Bond Strength Comparison between Silicon and Glass Based Surface Using Anodic Bonding. *Applied Mechanics and Materials*, **2014**, 680, 89-92	0.3	0
98	Contact Angle Analysis on Glass Based Surface. *Applied Mechanics and Materials*, **2014**, 680, 93-96	0.3	1
97	Infant Pain Detection with Homomorphic Filter and Fuzzy k-NN Classifier. *Applied Mechanics and Materials*, **2014**, 643, 183-189	0.3	
96	The Effect of Citric Acid on the Mechanical Properties of Thermoplastic Tapioca Starch/High Density Polyethylene/Natural Rubber Blends. *Applied Mechanics and Materials*, **2014**, 679, 292-299	0.3	
95	Comparison of processing and mechanical properties of polypropylene/recycled acrylonitrile butadiene rubber/rice husk powder composites modified with silane and acetic anhydride compound. *Journal of Thermoplastic Composite Materials*, **2014**, 27, 1651-1666	1.9	9
94	Replacement of Lead by Green Tungsten-Brass Composites as a Radiation Shielding Material. *Applied Mechanics and Materials*, **2014**, 679, 39-44	0.3	3
93	Effects of Lightweight Aggregate Size and Grading on the Residual Strength of Lightweight Geopolymer Concrete Exposed to Elevated Temperature. *Materials Science Forum*, **2014**, 803, 3-10	0.4	
92	Infant Pain Recognition with Homomorphic Filter and k-NN Classifier. *Advanced Materials Research*, **2014**, 1016, 807-813	0.5	
91	Hydrophilicity Characterization on Cleaned Bonded Silicon Based Surface. *Applied Mechanics and Materials*, **2014**, 680, 127-130	0.3	
90	Surface Roughness and Grain Size Analysis of Treated Indium Tin Oxide(ITO)Film. *Applied Mechanics and Materials*, **2014**, 680, 131-134	0.3	
89	Single Scale Retinex for Infant Pain Recognition. *Applied Mechanics and Materials*, **2014**, 643, 218-223	0.3	0
88	Fly Ash Based Lightweight Geopolymer Concrete Using Foaming Agent Technology. *Applied Mechanics and Materials*, **2014**, 679, 20-24	0.3	7
87	NaAuS chicken-wire-like semiconductor: Electronic structure and optical properties. *Journal of Alloys and Compounds*, **2014**, 582, 6-11	5.7	8

86	Effects of elevated temperatures on the thermal behavior and mechanical performance of fly ash geopolymer paste, mortar and lightweight concrete. *Construction and Building Materials*, **2014**, 50, 377-387	6.7	194
85	Density functional study of electronic, charge density, and chemical bonding properties of 9-methyl-3-Thiophen-2-YI-Thieno [3,2-e] [1, 2, 4] Thriazolo [4,3-c] pyrimidine-8-Carboxylic acid ethyl ester crystals. *Journal of Magnetism and Magnetic Materials*, **2014**, 361, 206-211	2.8	8
84	Influence of different exchange correlation potentials on band structure and optical constant calculations of ZrGa2 and ZrGe2 single crystals. *Computational Materials Science*, **2013**, 78, 134-139	3.2	0
83	Mechanical, morphological and thermal properties of chitosan filled polypropylene composites: The effect of binary modifying agents. *Composites Part A: Applied Science and Manufacturing*, **2013**, 46, 89-95	8.4	37
82	Electronic and optical features of the mixed crystals Ag0.5Pb1.75Ge(S1â□Sex)4. *Journal of Materials Chemistry C*, **2013**, 1, 4667	7.1	9
81	Optical spectra and band structure of Ag(x)Ga(x)Ge(1-x)Se2 (x = 0.333, 0.250, 0.200, 0.167) single crystals: experiment and theory. *Journal of Physical Chemistry B*, **2013**, 117, 15220-31	3.4	33
80	Linear, non-linear optical susceptibilities and the hyperpolarizability of the mixed crystals Ag(0.5)Pb(1.75)Ge(S(1-x)Se(x))4: experiment and theory. *Physical Chemistry Chemical Physics*, **2013**, 15, 18979-86	3.6	144
79	Corrosion Performance of Reinforcement Bar in Geopolymer Concrete Compare with its Performance in Ordinary Portland Cement Concrete: A Short Review. *Advanced Materials Research*, **2013**, 795, 509-512	0.5	5
78	Crystallochemical affinity and optical functions of ZrGa2 and ZrGa3 compounds. *Journal of Alloys and Compounds*, **2013**, 546, 14-19	5.7	9
77	X-ray photoelectron spectrum, X-ray diffraction data, and electronic structure of chalcogenide quaternary sulfide Ag2In2GeS6: experiment and theory. *Journal of Materials Science*, **2013**, 48, 1342-1350	4.3	20
76	Influence of replacing Si by Ge in the chalcogenide quaternary sulfides Ag2In2Si(Ge)S6 on the chemical bonding, linear and nonlinear optical susceptibilities, and hyperpolarizability. *Journal of Physical Chemistry B*, **2013**, 117, 2545-53	3.4	35
75	Band structure, density of states, and crystal chemistry of ZrGa2 and ZrGa3 single crystals. *Journal of Alloys and Compounds*, **2013**, 556, 259-265	5.7	6
74	Photoelectrical properties and the electronic structure of Tl(1-x)In(1-x)Sn(x)Se2 (x = 0, 0.1, 0.2, 0.25) single crystalline alloys. *Physical Chemistry Chemical Physics*, **2013**, 15, 6965-72	3.6	156
73	Mechanical Properties of Polymer Composites with Sugarcane Bagasse Filler. *Advanced Materials Research*, **2013**, 740, 739-744	0.5	17
72	Linear and nonlinear optical susceptibilities and the hyperpolarizability of borate LiBaB9O15 single-crystal: theory and experiment. *Journal of Physical Chemistry B*, **2013**, 117, 14141-50	3.4	36
71	Characterizations on the Effect of Processing of Polymers Blend with Petroleum Coke (Part I). *Advanced Materials Research*, **2013**, 795, 644-648	0.5	
70	Malaysian Foxtail Grass - A Potential Source of Natural/Agro Fibre for Polymer Composite Panel. *Advanced Materials Research*, **2013**, 740, 507-510	0.5	
69	Compaction Optimization of Sn-Cu-Si3N4 via Powder Metallurgy Route for Composite Solder Fabrication. *Applied Mechanics and Materials*, **2013**, 421, 267-271	0.3	

68	Study on Fly Ash Based Geopolymer for Coating Applications. *Advanced Materials Research*, **2013**, 686, 227-233	0.5	29
67	Study of Concrete Using Modified Polystyrene Coarse Aggregate. *Advanced Materials Research*, **2013**, 740, 502-506	0.5	1
66	The Effect of Various Waste Materials' Contents on the Attenuation Level of Anti-Radiation Shielding Concrete. *Materials*, **2013**, 6, 4836-4846	3.5	18
65	Alteration in the Microstructure of Fly Ash Geopolymers upon Exposure to Elevated Temperatures. *Advanced Materials Research*, **2013**, 795, 201-205	0.5	7
64	Effect of Fly Ash/Alkaline Activator Ratio and Sodium Silicate/NaOH Ratio on Fly Ash Geopolymer Coating Strength. *Key Engineering Materials*, **2013**, 594-595, 146-150	0.4	2
63	Strength of Concrete Based Cement Using Recycle Ceramic Waste as Aggregate. *Advanced Materials Research*, **2013**, 740, 734-738	0.5	7
62	Effect of sodium dodecyl sulfate on mechanical and thermal properties of polypropylene/chitosan composites. *Journal of Thermoplastic Composite Materials*, **2013**, 26, 878-892	1.9	17
61	Characterization of Porous Aluminum Fabricated via Sintering-Dissolution Process (SDP). *Advanced Materials Research*, **2013**, 795, 102-105	0.5	2
60	Strength of Concrete with Ceramic Waste and Quarry Dust as Aggregates. *Applied Mechanics and Materials*, **2013**, 421, 390-394	0.3	12
59	Mechanical and Microstructural Evaluations of Lightweight Aggregate Geopolymer Concrete before and after Exposed to Elevated Temperatures. *Materials*, **2013**, 6, 4450-4461	3.5	31
58	Study on the Properties of Oil Palm Trunk Fiber (OPTF) in Cement Composite. *Applied Mechanics and Materials*, **2013**, 421, 395-400	0.3	11
57	Microstructure and Interface Analysis of Glass Particulate Reinforced Aluminum Matrix Composite. *Advanced Materials Research*, **2013**, 795, 578-581	0.5	4
56	Effect of Space Holder and Compaction Pressure on the Porosity of Sintered Copper. *Advanced Materials Research*, **2013**, 795, 82-86	0.5	1
55	Effect of Spot Welding Current and Cycles on the Mechanical Properties of Welded Galvanized Steel Sheets. *Advanced Materials Research*, **2013**, 795, 87-90	0.5	1
54	Mechanical Properties of ZTA Composite Using Cold Isostatic Pressing and Uniaxial Pressing. *Advanced Materials Research*, **2013**, 740, 728-733	0.5	2
53	Electronic Structure of Quaternary Chalcogenide Ag2In2Ge(Si)S6 Single Crystals and the Influence of Replacing Ge by Si: Experimental X-Ray Photoelectron Spectroscopy and X-Ray Diffraction Studies and Theoretical Calculations. *Science of Advanced Materials*, **2013**, 5, 316-327	2.3	40
52	Study on Refractory Materials Application Using Geopolymer Processing. *Advanced Science Letters*, **2013**, 19, 221-223	0.1	3
51	Mechanical Performances of Fly Ash Geopolymer Bricks. *Advanced Science Letters*, **2013**, 19, 186-189	0.1	3

50	A Study on the Synthesis of Fly Ash-Based Lightweight Aggregate Geopolymer Concrete. *Advanced Science Letters*, **2013**, 19, 282-285	0.1	4
49	Comparison of Geopolymer Fly Ash and Ordinary Portland Cement to the Strength of Concrete. *Advanced Science Letters*, **2013**, 19, 3592-3595	0.1	31
48	CHEMICALLY CHITOSAN MODIFIED WITH METHYL METHACRYLATE AND ITS EFFECT ON MECHANICAL AND THERMAL PROPERTIES OF POLYPROPYLENE COMPOSITES. *Indonesian Journal of Chemistry*, **2013**, 13, 114-121	1.5	3
47	Processing and characterization of calcined kaolin cement powder. *Construction and Building Materials*, **2012**, 30, 794-802	6.7	115
46	Absorption and photoconductivity spectra of AgâGeSâcrystal: experiment and theory. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2012**, 93, 274-9	4.4	20
45	Bismuth in gallium arsenide: Structural and electronic properties of GaAs1âBix alloys. *Journal of Solid State Chemistry*, **2012**, 186, 47-53	3.3	23
44	Effects of Acetic Anhydride on the Properties of Polypropylene(PP)/Recycled Acrylonitrile Butadiene(NBRr)/Rice Husk Powder(RHP) Composites. *Polymer-Plastics Technology and Engineering*, **2012**, 51, 1505-1512		11
43	Amino acid 2-aminopropanoic CH3CH(NH2)COOH crystals: materials for photo- and acoustoinduced optoelectronic applications. *Journal of Materials Science: Materials in Electronics*, **2012**, 23, 1922-1931	2.1	9
42	Dispersion of linear, nonlinear optical susceptibilities and hyperpolarizability of C11H8N2O (o-methoxydicyanovinylbenzene) crystals. *Journal of Physical Chemistry B*, **2012**, 116, 13338-43	3.4	30
41	Electronic structure and magneto-optic Kerr effect in ferromagnetic titanium oxyphosphates Li0.50Co0.25TiO(PO4): An ab-initio study. *Journal of Alloys and Compounds*, **2012**, 527, 233-239	5.7	4
40	Study on solids-to-liquid and alkaline activator ratios on kaolin-based geopolymers. *Construction and Building Materials*, **2012**, 35, 912-922	6.7	227
39	Optimization of solids-to-liquid and alkali activator ratios of calcined kaolin geopolymeric powder. *Construction and Building Materials*, **2012**, 37, 440-451	6.7	79
38	Structural, electronic properties and charge density distribution of the LiNaB4O7: Theory and experiment. *Materials Chemistry and Physics*, **2012**, 137, 346-352	4.4	13
37	Single-crystal oxoborate (Pb3O)2(BO3)2WO4: Growth and characterization. *Materials Research Bulletin*, **2012**, 47, 2552-2560	5.1	7
36	Acentric nonlinear optical 2,4-dihydroxyl hydrazone isomorphic crystals with large linear, nonlinear optical susceptibilities and hyperpolarizability. *Journal of Physical Chemistry B*, **2012**, 116, 4677-83	3.4	40
35	Wettability and interfacial phenomena investigations on high-density polyethylene and petroleum coke. *Journal of Applied Polymer Science*, **2012**, 125, 2056-2062	2.9	
34	Selective extraction, separation and recovery of Cu(II) in presence of Zn(II) and Ni(II) from leach liquor of waste printed circuit board using microcapsules coated with Cyanex 272. *Korean Journal of Chemical Engineering*, **2012**, 29, 668-675	2.8	6
33	Fly ash porous material using geopolymerization process for high temperature exposure. *International Journal of Molecular Sciences*, **2012**, 13, 4388-95	6.3	54

32	The Effects of Electromigration to the Solder Joint Formation: A Comparison Between 99.3Sn-0.7Cu and 96.5Sn-3.0Ag-0.5Cu Lead Free Solder. *Advanced Materials Research*, **2012**, 622-623, 195-199	0.5	2
31	Curing Behavior on Kaolin-Based Geopolymers. *Advanced Materials Research*, **2012**, 548, 42-47	0.5	10
30	Strength and Microstructural Properties of Mechanically-Activated Kaolin Geopolymers. *Advanced Materials Research*, **2012**, 626, 926-930	0.5	12
29	Fly ash-based geopolymer lightweight concrete using foaming agent. *International Journal of Molecular Sciences*, **2012**, 13, 7186-98	6.3	159
28	Lightweight Fly Ash-Based Geopolymer Concrete. *Advanced Materials Research*, **2012**, 626, 781-785	0.5	3
27	Potential of Marine Clay as Raw Material in Geopolymer Composite. *Advanced Materials Research*, **2012**, 626, 963-966	0.5	2
26	Characterization of LUSI Mud Volcano as Geopolymer Raw Material. *Advanced Materials Research*, **2012**, 548, 82-86	0.5	8
25	Application of Clay - Based Geopolymer in Brick Production: A Review. *Advanced Materials Research*, **2012**, 626, 878-882	0.5	14
24	Microstructure Study on Optimization of High Strength Fly Ash Based Geopolymer. *Advanced Materials Research*, **2012**, 476-478, 2173-2180	0.5	13
23	Reviews on the Properties of Aggregates Made with or without Geopolymerisation Method. *Advanced Materials Research*, **2012**, 626, 892-895	0.5	4
22	Calcined Kaolin Geopolymeric Powder: Influence of Water-to-Geopolymeric Powder Ratio. *Advanced Materials Research*, **2012**, 548, 48-53	0.5	0
21	Effect of Curing Regimes on Metakaolin Geopolymer Pastes Produced from Geopolymer Powder. *Advanced Materials Research*, **2012**, 626, 931-936	0.5	3
20	Compressive Strength and Crack Propagation of Cement Composites Reinforced Coconut Fibre. *Journal of Engineering and Applied Sciences*, **2012**, 7, 108-112	1.3	
19	Effectiveness Evaluation of Safe City Programme in Relation to the Tourism Industry. *Procedia Engineering*, **2011**, 20, 407-414		4
18	Electronic structure, chemical bonding features, and electron charge density of the double-cubane single crystal [Sb7S8Br2](AlCl4)3. *Applied Physics Letters*, **2011**, 98, 201903	3.4	14
17	Theoretical investigation for Li2CuSb as multifunctional materials: Electrode for high capacity rechargeable batteries and novel materials for second harmonic generation. *Journal of Alloys and Compounds*, **2011**, 509, 7861-7869	5.7	12
16	Bismuth-containing semiconductors: Linear and nonlinear optical susceptibilities of GaAs1â□Bix alloys. *Journal of Alloys and Compounds*, **2011**, 509, 9685-9691	5.7	31
15	Dispersion of linear and non-linear optical susceptibilities for amino acid 2-aminopropanoic CH3CH(NH2)COOH single crystals: experimental and theoretical investigations. *Journal of Materials Chemistry*, **2011**, 21, 17219		42

14	Assessment of Physical and Mechanical Properties of Cement Panel Influenced by Treated and Untreated Coconut Fiber Addition. *Physics Procedia*, **2011**, 22, 263-269		17
13	Structural properties and bonding nature of 3-methyl-4-phenyl-5-(2-pyridyl)-1,2,4-triazole single crystal. *Materials Chemistry and Physics*, **2011**, 130, 458-465	4.4	16
12	Tensile properties, swelling, and water absorption behavior of rice-husk-powder-filled polypropylene/(recycled acrylonitrile-butadiene rubber) composites. *Journal of Vinyl and Additive Technology*, **2011**, 17, 190-197	2	21
11	Mechanical and thermal properties of chitosan-filled polypropylene composites: The effect of acrylic acid. *Journal of Vinyl and Additive Technology*, **2011**, 17, 125-131	2	40
10	Second harmonic generation and hyperpolarizabilities of the double-cubane compound [Sb7S8Br2](AlCl4)3: chalcogenide in ionic liquids. *Journal of Physical Chemistry B*, **2011**, 115, 11763-9	3.4	13
9	Chemical Modification of Chitosan-Filled Polypropylene (PP) Composites: The Effect of 3-Aminopropyltriethoxysilane on Mechanical and Thermal Properties. *International Journal of Polymeric Materials and Polymeric Biomaterials*, **2011**, 60, 429-440	3	37
8	Electronic band structure and optical properties of titanium oxyphosphates Li0.50Co0.25TiO(PO4) single crystals: An ab-initio calculations. *Journal of Solid State Chemistry*, **2011**, 184, 2131-2138	3.3	4
7	Wettability, Electrical and Mechanical Properties of 99.3Sn-0.7Cu/Si3N4 Novel Lead-Free Nanocomposite Solder. *Advanced Materials Research*, **2011**, 277, 106-111	0.5	20
6	Synthesis of sol-gel silica chemically bonded with cyanex 272 for the removal of Cu(II), Ni(II), and Zn(II). *Journal of Materials Science*, **2009**, 44, 2628-2636	4.3	13
5	Extraction and separation of Cu(II), Ni(II) and Zn(II) by solâgel silica immobilized with Cyanex 272. *Hydrometallurgy*, **2009**, 96, 140-147	4	28
4	Microstructural Study of Al-Si-Mg Alloy Reinforced with Stainless Steel Wires Composite via Casting Technique. *American Journal of Applied Sciences*, **2008**, 5, 721-725	0.8	2
3	Comparative Characterization of Clinker Microstructure at Different Temperature Zone during Cement Production. *American Journal of Applied Sciences*, **2007**, 4, 543-546	0.8	2
2	Comparative Study of Clinker Transformation at Different Temperature Zone During Cement Production. *American Journal of Applied Sciences*, **2007**, 4, 328-332	0.8	2
1	Preparation and evaluation of Al2O3 plastic forming feedstock with partially water soluble polymer as a binder. *Journal of Materials Processing Technology*, **2003**, 137, 128-131	5.3	5