

# Zainal Arifin Ahmad

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

376  
papers

4,605  
citations

35  
h-index

51  
g-index

411  
ext. papers

5,449  
ext. citations

2.3  
avg, IF

6.03  
L-index

#	Paper	IF	Citations
376	Analysis of the Proposed Boundary Conditions for the Conductive Material and Substrate Thickness of Air-Substrate Microstrip Patch Antenna via Graphical Verification Method. <i>Lecture Notes in Electrical Engineering</i> , <b>2022</b> , 86-92	0.2	0
375	A Compact MIMO Antenna for Wideband Circularly Polarized mmWave Communications. <i>Lecture Notes in Electrical Engineering</i> , <b>2022</b> , 273-279	0.2	0
374	Influence of milling process of palm oil fuel ash on the properties of palm oil fuel ash-based alkali activated mortar. <i>Case Studies in Construction Materials</i> , <b>2022</b> , 16, e00857	2.7	0
373	The engineering properties and pozzolanic reaction kinetics of quaternary blended binder high strength mortars optimized by the Taguchi method. <i>Journal of Building Engineering</i> , <b>2022</b> , 104582	5.2	0
372	Effects of additives additions and sintering techniques on the microstructure and mechanical properties of Zirconia Toughened Alumina (ZTA): A review. <i>International Journal of Refractory Metals and Hard Materials</i> , <b>2022</b> , 106, 105870	4.1	0
371	Effect of alkaline activator ratio on the compressive strength response of POFA-EACC mortar subjected to elevated temperature. <i>Materials at High Temperatures</i> , <b>2021</b> , 38, 166-176	1.1	2
370	Wheel-shaped miniature assembly of circularly polarized wideband microstrip antenna for 5G mmWave terminals. <i>AEJ - Alexandria Engineering Journal</i> , <b>2021</b> , 60, 2457-2470	6.1	1
369	Photodegradation of rhodamine B-dye pollutant using CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> -multiwall carbon nanotube nanocomposites. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 105185	6.8	11
368	Influence of sintering parameters on structural, dielectric and piezoelectric properties of Ca, La and Sr-doped PZT (PCLSZT) electroceramics. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2021</b> , 32, 18095-18107	2.1	2
367	An Assessment of Progress in 5.8 GHz Quasi-lumped Element Resonator Antennas. <i>IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India)</i> , <b>2021</b> , 38, 328-346	1.5	3
366	Effects of La <sub>2</sub> O <sub>3</sub> addition on microstructure development and physical properties of harder ZTA-CeO <sub>2</sub> composites with sustainable high fracture toughness. <i>Journal of Rare Earths</i> , <b>2021</b> , 39, 844-849	2.7	6
365	Effect of ZnO-B <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> (ZBS) Glass Additives to the Properties of CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> Electroceramic. <i>Lecture Notes in Mechanical Engineering</i> , <b>2021</b> , 941-949	0.4	0
364	Effect of various commercial of Na <sub>2</sub> SiO <sub>3</sub> on compressive strength of Fly ash-based alkaline activated mortar. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2020</b> , 801, 012078	0.4	0
363	Formation of Yttria Aluminium Garnet by Microwave Sintering. <i>Materials Science Forum</i> , <b>2020</b> , 1010, 222-227	2.7	1
362	Microstructural and Dielectric Responses of Calcium Copper Titanate Added Soda-Lime Glass for High Frequency Devices. <i>Materials Science Forum</i> , <b>2020</b> , 1010, 233-238	0.4	0
361	Effect Band Gap of Chitosan Film in Converting Water Vapour Into Electrical Current. <i>Materials Science Forum</i> , <b>2020</b> , 1010, 445-452	0.4	0
360	Photocatalytic Degradation of Organic Dye by Sol-Gel-Synthesized CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> Powder. <i>Journal of Materials Engineering and Performance</i> , <b>2020</b> , 29, 2006-2014	1.6	9

359	Effects of multiwall carbon nanotubes on dielectric and mechanical properties of CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> composite. <i>Ceramics International</i> , <b>2020</b> , 46, 20313-20319	5.1	5
358	Performance of dye-sensitized solar cell (DSSC) using carbon black-TiO <sub>2</sub> composite as counter electrode subjected to different annealing temperatures. <i>Optical and Quantum Electronics</i> , <b>2020</b> , 52, 1	2.4	5
357	Compressive Strength and Microstructural Characteristics of Binary Blended Cement Mortar Containing Palm Oil Fuel Ash. <i>Lecture Notes in Civil Engineering</i> , <b>2020</b> , 1513-1522	0.3	1
356	Investigation on Strength Enhancement of U-TPOFA Based Binary Blended Alkali Activated Mortar Through Addition of Fly Ash. <i>Lecture Notes in Civil Engineering</i> , <b>2020</b> , 1129-1137	0.3	
355	Effect of Various Grades of Na <sub>2</sub> SiO <sub>3</sub> on Compressive Strength Development of Eggshells Powder-Based Alkaline Activated Mortar. <i>Lecture Notes in Civil Engineering</i> , <b>2020</b> , 453-461	0.3	2
354	Structural Characteristic and Dielectric Properties of Zirconia Toughened Alumina. <i>Materials Science Forum</i> , <b>2020</b> , 1010, 250-255	0.4	
353	Microstructure and Mechanical Behavior of CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> Ceramics Hollow Fiber Prepared via Dry/Wet Spinning Method. <i>Materials Science Forum</i> , <b>2020</b> , 1010, 239-243	0.4	
352	A Low-Profile Hybrid Multi-Permittivity Dielectric Resonator Antenna With Perforated Structure for Ku and K Band Applications. <i>IEEE Access</i> , <b>2020</b> , 8, 151219-151228	3.5	6
351	Structural, piezoelectric, and dielectric properties of PZT-based ceramics without excess lead oxide. <i>Journal of the Australian Ceramic Society</i> , <b>2020</b> , 56, 371-377	1.5	10
350	Optimization of Ceramic Tile Properties from Three Malaysian Clays via Statistical Mixture Design. <i>Arabian Journal for Science and Engineering</i> , <b>2020</b> , 45, 275-290	2.5	3
349	Wideband frequency tunability of CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> -based dielectric resonator antennas via the addition of glass. <i>International Journal of Applied Ceramic Technology</i> , <b>2020</b> , 17, 1909-1917	2	0
348	Analysis on physical and microstructural properties of ZTA-SWNT ceramic cutting tool <b>2019</b> ,		1
347	The effects of sintered sample thickness on the dielectric properties of CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> ceramics prepared at 1000±100 °C in air. <i>Ceramics International</i> , <b>2019</b> , 45, 14652-14662	5.1	1
346	Effect of Ar:N <sub>2</sub> flow rate on morphology, optical and electrical properties of CCTO thin films deposited by RF magnetron sputtering. <i>Ceramics International</i> , <b>2019</b> , 45, 15077-15081	5.1	13
345	Microstructure and dielectric properties of silicone rubber/CCTO composites <b>2019</b> ,		1
344	Role of pentavalent niobium oxide additions on the microstructure and structure of zirconia toughened alumina using hot isostatic press sintering <b>2019</b> ,		1
343	Effect of Sm on YIG: Structural and dielectric properties evaluation <b>2019</b> ,		2
342	Hardness and fracture toughness analysis of ZTA@WCNT ceramic cutting inserts <b>2019</b> ,		1

341	Effect of WO <sub>3</sub> loading on structural, electrical and dielectric properties of CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> ceramic composites. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 6806-6810	2.1	3
340	Energy harvesting properties of chitosan film in harvesting water vapour into electrical energy. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 16275-16286	2.1	2
339	Synthesis of hydroxyapatite via phase transformation of calcium hydrogen phosphate dihydrate: Effects of temperature variation on phase and morphology. <i>Ceramics International</i> , <b>2019</b> , 45, 21168-21174	5.1	1
338	Influence of annealing temperature on morphological and photocatalytic activity of sputter-coated CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> thin film under ultraviolet light irradiation. <i>Ceramics International</i> , <b>2019</b> , 45, 20697-20703	5.1	16
337	Effect of MgO Addition on the Mechanical and Dynamic Properties of Zirconia Toughened Alumina (ZTA) Ceramics. <i>Materials</i> , <b>2019</b> , 12,	3.5	23
336	Development of foam porous media to undergo surface and submerged flame during premixed combustion. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2019</b> , 505, 012123	0.4	2
335	Effect of Ultra-low Vegetable Oil Droplets on Microporous Media Burner Under Surface and Submerged Flames. <i>Arabian Journal for Science and Engineering</i> , <b>2019</b> , 44, 5921-5935	2.5	1
334	Influence of reaction layer thickness on surface/submerged flame during porous media combustion of micro burner. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2019</b> , 508, 012072	0.4	1
333	28 GHz mmWave Quasi-Lumped Element Resonator Antenna on Air-Substrate <b>2019</b> ,		2
332	Study on modified curve fitting model in analyzing YIG resonator antenna. <i>Microwave and Optical Technology Letters</i> , <b>2019</b> , 61, 337-342	1.2	1
331	Tougher and harder zirconia toughened alumina (ZTA) composites through in situ microstructural formation of LaMgAl <sub>11</sub> O <sub>19</sub> . <i>International Journal of Refractory Metals and Hard Materials</i> , <b>2019</b> , 79, 60-68	4.1	10
330	Effective dielectric loss (tan $\delta$ ) reduction of CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> (CCTO) via various addition of glasses. <i>International Journal of Applied Ceramic Technology</i> , <b>2019</b> , 16, 850-861	2	6
329	The effects of CeO <sub>2</sub> addition on the physical and microstructural properties of ZTA-TiO <sub>2</sub> ceramics composite. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 773, 27-33	5.7	12
328	Modelling the early strength of alkali-activated cement composites containing palm oil fuel ash. <i>Proceedings of Institution of Civil Engineers: Construction Materials</i> , <b>2019</b> , 172, 133-143	0.8	3
327	Fabrication of tougher ZTA ceramics with sustainable high hardness through (RSM) optimisation. <i>International Journal of Refractory Metals and Hard Materials</i> , <b>2018</b> , 74, 78-86	4.1	28
326	The use of carbon black-TiO <sub>2</sub> composite prepared using solid state method as counter electrode and E. conferta as sensitizer for dye-sensitized solar cell (DSSC) applications. <i>Optical Materials</i> , <b>2018</b> , 79, 366-371	3.3	13
325	High sensitivity and selectivity of CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> -ZnO composites towards acetone gas at room temperature. <i>Ceramics International</i> , <b>2018</b> , 44, 6904-6911	5.1	21
324	Effects of CIP compaction pressure on piezoelectric properties of K <sub>0.5</sub> Na <sub>0.5</sub> NbO <sub>3</sub> . <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 5439-5445	2.1	1

323	The effect of cutting parameters on the performance of ZTA-MgO cutting tool. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2018</b> , 290, 012072	0.4	2
322	Compressive mechanical properties of sawdust/high density polyethylene composites under various strain rate loadings. <i>Journal of Vinyl and Additive Technology</i> , <b>2018</b> , 24, 162-173	2	2
321	Sago pith waste ash as a potential raw material for ceramic and geopolymer fabrication. <i>Journal of Material Cycles and Waste Management</i> , <b>2018</b> , 20, 1090-1098	3.4	8
320	Role of moisturising and pressing pressure on ceramic tile properties. <i>Journal of the Australian Ceramic Society</i> , <b>2018</b> , 54, 81-89	1.5	5
319	Effects of deposition temperatures and substrates on microstructure and optical properties of sputtered CCTO thin film. <i>Materials Letters</i> , <b>2018</b> , 210, 4-7	3.3	23
318	Performance of E. conferta and G. atroviridis fruit extracts as sensitizers in dye-sensitized solar cells (DSSCs). <i>Ionics</i> , <b>2018</b> , 24, 891-899	2.7	11
317	Effects of deposition time on properties of CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> thin film deposited on ITO substrate by RF magnetron sputtering at ambient temperature. <i>Ceramics International</i> , <b>2018</b> , 44, 18817-18820	5.1	19
316	Experiential study on temperature and emission performance of micro burner during porous media combustion. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2018</b> , 370, 012057	0.4	2
315	Effects of Filler Size on the Mechanical Properties of Polymer-filled Dental Composites: A Review of Recent Developments. <i>Journal of Physical Science</i> , <b>2018</b> , 29, 141-165	2	38
314	Effect of nano- and micro-alumina fillers on some properties of poly(methyl methacrylate) denture base composites. <i>Journal of the Serbian Chemical Society</i> , <b>2018</b> , 83, 75-91	0.9	9
313	Effect of Single Walled Carbon Nanotube Addition to the Physical Properties of Monolithic Alumina. <i>International Journal of Current Research in Science Engineering &amp; Technology</i> , <b>2018</b> , 1, 585		2
312	Improved super-hydrophobicity of eco-friendly coating from palm oil fuel ash (POFA) waste. <i>Surface and Coatings Technology</i> , <b>2018</b> , 337, 126-135	4.4	22
311	Investigation of micro burner performance during porous media combustion for surface and submerged flames. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2018</b> , 370, 012049	0.4	2
310	Assessment of porous media combustion with foam porous media for surface/submerged flame. <i>Materials Today: Proceedings</i> , <b>2018</b> , 5, 20865-20873	1.4	4
309	Improved Adhesion of Nonfluorinated ZnO Nanotriangle Superhydrophobic Layer on Glass Surface by Spray-Coating Method. <i>Journal of Nanomaterials</i> , <b>2018</b> , 2018, 1-11	3.2	10
308	Effect of nitrile butadiene rubber/Al <sub>2</sub> O <sub>3</sub> /YSZ fillers for PMMA denture base on the thermal and mechanical properties. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2018</b> , 134, 941-951	4.1	2
307	Impact of Al(OH) <sub>3</sub> addition to POFA on the compressive strength of POFA alkali-activated mortar. <i>Construction and Building Materials</i> , <b>2018</b> , 190, 65-82	6.7	8
306	The development of low cost adsorbents from clay and waste materials: a review. <i>Journal of Material Cycles and Waste Management</i> , <b>2017</b> , 19, 1-14	3.4	28

305	Poly(methyl methacrylate) denture base composites enhancement by various combinations of nitrile butadiene rubber/treated ceramic fillers. <i>Journal of Thermoplastic Composite Materials</i> , <b>2017</b> , 30, 1069-1090	1.9	6
304	Effects of fly ash addition on physical properties of porous clay-fly ash composites via polymeric replica technique. <i>Journal of Material Cycles and Waste Management</i> , <b>2017</b> , 19, 794-803	3.4	10
303	Impact strength, fracture toughness and hardness improvement of PMMA denture base through addition of nitrile rubber/ceramic fillers. <i>Saudi Journal for Dental Research</i> , <b>2017</b> , 8, 26-34		29
302	A Review on Microdialysis Calibration Methods: the Theory and Current Related Efforts. <i>Molecular Neurobiology</i> , <b>2017</b> , 54, 3506-3527	6.2	35
301	Effects of the preheat layer thickness on surface/submerged flame during porous media combustion of micro burner. <i>Energy</i> , <b>2017</b> , 122, 103-110	7.9	42
300	The Dielectric Properties of CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> at Various Calcination Temperatures. <i>Materials Science Forum</i> , <b>2017</b> , 888, 117-120	0.4	2
299	Assessment of porous media burner for surface/submerged flame during porous media combustion <b>2017</b> ,		4
298	Investigation of YIG $\bar{4}$ Active Site Using Density Functional Theory. <i>Materials Science Forum</i> , <b>2017</b> , 888, 76-80	0.4	
297	Dielectric Properties of Al <sub>2</sub> O <sub>3</sub> /CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> Composite at High Frequency Range. <i>Materials Science Forum</i> , <b>2017</b> , 888, 7-11	0.4	0
296	Relationship between the thermal behaviour of the clays and their mineralogical and chemical composition: Example of Ipoh, Kuala Rompin and Mersing (Malaysia). <i>Applied Clay Science</i> , <b>2017</b> , 143, 327-335	5.2	15
295	Microstructure and Mechanical Properties of Cement Mortar Incorporate with Coated Expanded Polystyrene Beads. <i>Materials Science Forum</i> , <b>2017</b> , 888, 234-238	0.4	3
294	Structural, surface morphology and optical properties of sputter-coated CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> thin film: Influence of RF magnetron sputtering power. <i>Materials Science in Semiconductor Processing</i> , <b>2017</b> , 66, 157-161	4.3	29
293	Stress Analysis of a Stretchable Electronic Circuit. <i>Procedia Engineering</i> , <b>2017</b> , 184, 625-630		4
292	Microwave sintering of zirconia-toughened alumina (ZTA)-TiO <sub>2</sub> -Cr <sub>2</sub> O <sub>3</sub> ceramic composite: The effects on microstructure and properties. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 722, 458-466	5.7	33
291	Tetragonal and Monoclinic Phase Transformation of ZTA-MgO Ceramic Cutting Tool by Machining Process. <i>Materials Science Forum</i> , <b>2017</b> , 888, 108-111	0.4	4
290	Synthesis and Characterization of Pb(Zr <sub>0.52</sub> Ti <sub>0.48</sub> )O <sub>3</sub> Properties via High Planetary Mill. <i>Materials Science Forum</i> , <b>2017</b> , 888, 96-102	0.4	
289	Dielectric Properties of CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> /Al <sub>2</sub> O <sub>3</sub> Composites. <i>Materials Science Forum</i> , <b>2017</b> , 888, 12-16	0.4	3
288	. <i>IEEE Sensors Journal</i> , <b>2017</b> , 1-1	4	1

287	Effect of Sintering Temperature on Structure and Dielectric Properties of Lead Free K <sub>0.5</sub> Na <sub>0.5</sub> NbO <sub>3</sub> Prepared via Hot Isostatic Pressing. <i>Materials Science Forum</i> , <b>2017</b> , 888, 42-46	0.4	3
286	Effect of Curing Time and Sintering to the Properties of Geopolymer Mortars. <i>Materials Science Forum</i> , <b>2017</b> , 888, 184-187	0.4	0
285	Effect of Calcination Temperature on the Breakdown Strength and Energy Density of CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> Ceramic. <i>Materials Science Forum</i> , <b>2017</b> , 888, 23-27	0.4	3
284	Influences of NBR/Al <sub>2</sub> O <sub>3</sub> /YSZ as Fillers for PMMA Composite on the Thermal Properties. <i>Materials Science Forum</i> , <b>2017</b> , 888, 198-202	0.4	
283	Synthesis and Characterization of Cobalt Doped with Yttria-Stabilized Zirconia Electrolytes. <i>Materials Science Forum</i> , <b>2017</b> , 888, 151-156	0.4	1
282	Elemental, Thermal, and Structural Characterization of ZnO Doped 8 mol% Yttria-Stabilized Zirconia (8YSZ) Ceramics. <i>Materials Science Forum</i> , <b>2017</b> , 888, 57-61	0.4	1
281	Fabrication of Lanthanum and Strontium Doped PZT Ceramics Using Solid State Reaction Method. <i>Materials Science Forum</i> , <b>2017</b> , 888, 62-65	0.4	1
280	Piezoelectric and dielectric properties of Pb <sub>0.93</sub> La <sub>0.02</sub> Sr <sub>0.05</sub> (Zr <sub>0.52</sub> Ti <sub>0.48</sub> )O <sub>3</sub> ceramics doped with Li <sub>2</sub> CO <sub>3</sub> at low sintering temperature. <i>Ceramics International</i> , <b>2017</b> , 43, 2644-2649	5.1	8
279	The Bending Strength of the Porcelain with the Substitution of Quartz by Palm Oil Fuel Ash. <i>Materials Science Forum</i> , <b>2017</b> , 888, 112-116	0.4	
278	Synthesis and Characterization of Zirconia-Alumina Ceramics Doped Niobium Oxide. <i>Materials Science Forum</i> , <b>2017</b> , 888, 103-107	0.4	
277	Nucleation of octahedral titanate crystals using waste anodic electrolyte from the anodization of TiO <sub>2</sub> nanotubes. <i>CrystEngComm</i> , <b>2017</b> , 19, 6406-6411	3.3	3
276	Study on Conversion Time of Brushite to Monetite via Hydrothermal Method. <i>Materials Science Forum</i> , <b>2017</b> , 888, 319-323	0.4	2
275	Design of a negative conductance dielectric resonator oscillator for X-band applications. <i>Radioelectronics and Communications Systems</i> , <b>2017</b> , 60, 413-422	0.9	2
274	Room temperature LPG resistive sensor based on the use of a few-layer graphene/SnO nanocomposite. <i>Mikrochimica Acta</i> , <b>2017</b> , 185, 69	5.8	18
273	Efficient diagnostics of the electronic and optical properties of defective ZnO nanoparticles synthesized using the sol-gel method: experimental and theoretical studies. <i>Materials Research Express</i> , <b>2017</b> , 4, 085908	1.7	14
272	A novel homogeneous stacked yttrium ion garnet resonator antenna for wideband application. <i>Microwave and Optical Technology Letters</i> , <b>2017</b> , 59, 3036-3041	1.2	2
271	Hardness and toughness enhancement of CeO <sub>2</sub> addition to ZTA ceramics through HIPping technique. <i>International Journal of Refractory Metals and Hard Materials</i> , <b>2017</b> , 69, 60-65	4.1	21
270	Characterization of metakaolin treated at different calcination temperatures <b>2017</b> ,		1

269	Effects of annealing temperature on the structural, morphology, optical properties and resistivity of sputtered CCTO thin film. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 12458-12466	2.1	25
268	Structural Properties of Pb(Zr <sub>0.52</sub> Ti <sub>0.38</sub> Li <sub>0.1</sub> )O <sub>3</sub> Prepared via High Planetary Mill. <i>Materials Science Forum</i> , <b>2017</b> , 888, 91-95	0.4	1
267	Effect of Nb-doped TiO <sub>2</sub> photoanode using solid state method with E. conferta as sensitizer on the performance of dye sensitized solar cell. <i>Optik</i> , <b>2017</b> , 144, 91-101	2.5	12
266	A review of wideband circularly polarized dielectric resonator antennas. <i>China Communications</i> , <b>2017</b> , 14, 65-79	3	25
265	Effects of TiN Single Layer Coating on the Wear of ZTA Cutting Inserts and Surface Roughness of Workpiece. <i>Materials Science Forum</i> , <b>2017</b> , 888, 52-56	0.4	1
264	Detection of chipping in ceramic cutting inserts from workpiece profile during turning using Fast Fourier transform (FFT) and continuous wavelet transform (CWT). <i>Precision Engineering</i> , <b>2017</b> , 47, 406-423	2.9	28
263	Durability performance of Palm Oil Fuel Ash-based Engineered Alkaline-activated Cementitious Composite (POFA-EACC) mortar in sulfate environment. <i>Construction and Building Materials</i> , <b>2017</b> , 131, 229-244	6.7	41
262	Preliminary Determination of Minerals in Mukah Coal. <i>Materials Science Forum</i> , <b>2017</b> , 888, 458-461	0.4	1
261	Effect of Firing Temperature on Mechanical and Physical Properties of Porcelain Balls as Grinding Media. <i>Materials Science Forum</i> , <b>2017</b> , 888, 37-41	0.4	0
260	Microstructural, Mechanical and Dielectric Properties of CCTO/Epoxy Composite. <i>Solid State Phenomena</i> , <b>2017</b> , 264, 206-210	0.4	2
259	Sago Pith Waste Ash as an Addition to Fly Ash-Based Geopolymer Mortar. <i>Materials Science Forum</i> , <b>2017</b> , 888, 462-465	0.4	
258	POFA-Engineered Alkali-activated Cementitious Composite Performance in Acid Environment. <i>Journal of Advanced Concrete Technology</i> , <b>2017</b> , 15, 684-699	2.3	9
257	Analysis of Hybrid Ring Coupler Double-Balanced Mixer and MMIC Double-Balanced Mixer for Ka-Band Wireless Communication Systems. <i>Lecture Notes in Electrical Engineering</i> , <b>2017</b> , 555-561	0.2	
256	Analysis of Passive Frequency Multiplier Designs for K-Band Wireless Communication Systems. <i>Lecture Notes in Electrical Engineering</i> , <b>2017</b> , 581-586	0.2	
255	Effect of ceramic coating in combustion and cogeneration performance of Al <sub>2</sub> O <sub>3</sub> porous medium. <i>Journal of the Energy Institute</i> , <b>2016</b> , 89, 81-93	5.7	17
254	Characterization of microstructures evolution on electrical responses of CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> ceramics. <i>Journal of King Saud University, Engineering Sciences</i> , <b>2016</b> , 28, 240-245	2.2	2
253	Dielectric Properties of Li-Zr Modified NiO at High Frequency. <i>Materials Science Forum</i> , <b>2016</b> , 846, 326-330	4	
252	Effects of Cr <sub>2</sub> O <sub>3</sub> addition on the phase, mechanical properties, and microstructure of zirconia-toughened alumina added with TiO <sub>2</sub> (ZTA/TiO <sub>2</sub> ) ceramic composite. <i>International Journal of Refractory Metals and Hard Materials</i> , <b>2016</b> , 61, 40-45	4.1	17



251	Modification of Rubber Particles and Ceramic Fillers on PMMA Denture Base Materials. <i>Materials Science Forum</i> , <b>2016</b> , 840, 191-196	0.4	
250	Dielectric loaded quasi-lumped element resonator antenna circuit model for U-NII/ISM band wireless applications. <i>Annales Des Telecommunications/Annals of Telecommunications</i> , <b>2016</b> , 71, 527-537 <sup>2</sup>		4
249	Effect of Sintering Temperatures on Sr-Doped NiO Ceramics. <i>Materials Science Forum</i> , <b>2016</b> , 840, 61-65	0.4	1
248	Effect of Sintering Temperature on CuO Doped Barium Zinc Tantalate (BZT) Dielectric Properties. <i>Materials Science Forum</i> , <b>2016</b> , 840, 8-13	0.4	
247	Effect of Titania and Magnesia on the Physical Properties of Zirconia Toughened Alumina. <i>Materials Science Forum</i> , <b>2016</b> , 840, 82-86	0.4	1
246	Tool breakage detection from 2D workpiece profile using vision method. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2016</b> , 114, 012132	0.4	
245	The Hardness Properties of Porcelain with Substitution of Quartz by Rice Husk Ash at Different Soaking Time. <i>Materials Science Forum</i> , <b>2016</b> , 840, 39-43	0.4	1
244	Sago Pith Waste Ash as a New Alternative Raw Materials from Agricultural Waste. <i>Materials Science Forum</i> , <b>2016</b> , 840, 389-393	0.4	1
243	Microstructure, Crystal structure and ionic conductivity of 3 mol % (Fe, Mn, Co, Zn) doped 8YSZ. <i>MATEC Web of Conferences</i> , <b>2016</b> , 78, 01093	0.3	1
242	Sintering and grain growth control of high dense YIG. <i>Ceramics International</i> , <b>2016</b> , 42, 13996-14005	5.1	9
241	Effect of thickness on surface morphology, optical and humidity sensing properties of RF magnetron sputtered CCTO thin films. <i>Applied Surface Science</i> , <b>2016</b> , 385, 182-190	6.7	23
240	Effect of Mullite Formation on Properties of Aluminosilicate Ceramic Balls. <i>Procedia Chemistry</i> , <b>2016</b> , 19, 922-928		9
239	Effect of the Different Sr Dopant Contents on NiO Ceramic. <i>Procedia Chemistry</i> , <b>2016</b> , 19, 133-138		3
238	Crystallite Size Measurement of Doped CaCu <sub>2.8</sub> Co <sub>0.2</sub> Ti <sub>4</sub> O <sub>12</sub> Ceramic Samples Using Various Method. <i>Materials Science Forum</i> , <b>2016</b> , 840, 131-137	0.4	
237	Synthesis and Structural Characterization of La <sub>0.8</sub> Sr <sub>0.2</sub> MO <sub>3</sub> (M=Mn, Fe, Co and Cr) Solid Ionic Material for Catalyst Application. <i>Materials Science Forum</i> , <b>2016</b> , 840, 48-51	0.4	
236	In-process detection of chipping in ceramic cutting tools during turning of difficult-to-cut material using vision-based approach. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2016</b> , 85, 1273-1290 <sup>8</sup>		3.2
235	Bandpass filter based on novel-coupled half-wavelength microstrip ring resonators. <i>Microwave and Optical Technology Letters</i> , <b>2016</b> , 58, 911-918	1.2	1
234	Role of MgO nanoparticles on zirconia-toughened alumina-5 wt-% CeO <sub>2</sub> ceramics mechanical properties. <i>Materials Science and Technology</i> , <b>2016</b> , 32, 1316-1322	1.5	4

233	Characterization of Cordierite Glass with the Addition Colorant Ceramic Glaze for FIR Therapy. <i>Materials Science Forum</i> , <b>2016</b> , 840, 207-212	0.4	
232	Effect of Cr <sub>2</sub> O <sub>3</sub> -TiO <sub>2</sub> Addition on the Physical Properties of Zirconia Toughened Alumina. <i>Materials Science Forum</i> , <b>2016</b> , 840, 34-38	0.4	5
231	Synthesize CCTO Using Different Mixing Media. <i>Materials Science Forum</i> , <b>2016</b> , 840, 87-90	0.4	1
230	Detection of fracture in ceramic cutting tools from workpiece profile signature using image processing and fast Fourier transform. <i>Precision Engineering</i> , <b>2016</b> , 44, 131-142	2.9	9
229	Effect of Glass Addition on the Properties of CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> Ceramics. <i>Materials Science Forum</i> , <b>2016</b> , 840, 52-56	0.4	7
228	Effect of Calcination Temperature on Dielectric Properties of CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> Ceramics. <i>Procedia Chemistry</i> , <b>2016</b> , 19, 910-915		7
227	Impact of added water and superplasticizer on early compressive strength of selected mixtures of palm oil fuel ash-based engineered geopolymer composites. <i>Construction and Building Materials</i> , <b>2016</b> , 109, 198-206	6.7	30
226	Study on the Potential of Kaolinitic Clay from Perak State, Malaysia for Aluminosilicate Ceramic Ball. <i>Materials Science Forum</i> , <b>2016</b> , 840, 112-117	0.4	0
225	Role of Ce <sub>2</sub> Zr <sub>3</sub> O <sub>10</sub> Phase on the Microstructure and Fracture Toughness of ZTA Composites. <i>Materials Science Forum</i> , <b>2016</b> , 840, 57-60	0.4	3
224	Effect of ion exchange treatment on dynamic compression properties of polypropylene/muscovite-layered silicate composites. <i>Journal of Thermoplastic Composite Materials</i> , <b>2016</b> , 29, 867-889	1.9	3
223	Phase Evolution of Yttrium Iron Garnet (YIG) Made by Solid State Sintering: Particle Size Effect. <i>Materials Science Forum</i> , <b>2016</b> , 840, 276-280	0.4	3
222	Physical, mechanical, and thermal properties improvement of porous alumina substrate through dip-coating and re-sintering procedures. <i>Ceramics International</i> , <b>2016</b> , 42, 7717-7729	5.1	7
221	Effect of Alkaline Treatment on Sawdust Reinforced High Density Polyethylene Composite under Wide Strain Rate. <i>Materials Science Forum</i> , <b>2016</b> , 840, 103-107	0.4	3
220	Preliminary Identification of Silantek Clay as Potential Refractory. <i>Materials Science Forum</i> , <b>2016</b> , 840, 124-130	0.4	
219	Preparation and Characterization of Porous Cordierite for Catalyst Support Application. <i>Materials Science Forum</i> , <b>2016</b> , 840, 71-76	0.4	
218	EFFECT OF DIFFERENT COMPACTION PRESSURE AND DIFFERENT SINTERING ROUTE ON K <sub>0.5</sub> Na <sub>0.5</sub> NbO <sub>3</sub> PHYSICAL AND DIELECTRIC PROPERTIES. <i>Ceramics - Silikaty</i> , <b>2016</b> , 220-225	0.6	1
217	Why a Comprehensive Physical Characterization Effort of Microdialysis Membranes is Imperative for Computational Mass Transfer Studies?. <i>Materials Science Forum</i> , <b>2016</b> , 840, 180-184	0.4	1
216	Effect of Particle Size on Mechanical Properties of Sawdust-High Density Polyethylene Composites under Various Strain Rates. <i>BioResources</i> , <b>2016</b> , 11,	1.3	7

215	Synthesis and Characterization of Stabilized Zirconia Toughened Alumina (ZTA) Doped Niobium Pentoxide (Nb <sub>2</sub> O <sub>5</sub> ). <i>MATEC Web of Conferences</i> , <b>2016</b> , 78, 01098	0.3	0
214	The Cutting Speed Influences on Tool Wear of ZTA Ceramic Cutting Tools and Surface Roughness of Work Material Stainless Steel 316L during High Speed Machining. <i>Materials Science Forum</i> , <b>2016</b> , 840, 315-320	0.4	2
213	Improvement of Porous Porcelain through Glaze Coating. <i>Materials Science Forum</i> , <b>2016</b> , 840, 19-23	0.4	
212	Microwave dielectric properties of CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> -Al <sub>2</sub> O <sub>3</sub> composite <b>2016</b> ,		2
211	On Using Factorial Fractional Design to Fabricate Porous Alumina Scaffolds for Bone Tissue Engineering (BTE). <i>Materials Science Forum</i> , <b>2016</b> , 840, 185-190	0.4	
210	The Investigation of the Phenomenological YIG Phase Formation Within 1000°C to 1250°C: A Kinetic Approach. <i>Journal of the American Ceramic Society</i> , <b>2016</b> , 99, 315-323	3.8	4
209	Alumina Foam (AF) Fabrication Optimization and SBF Immersion Studies for AF, Hydroxyapatite (HA) Coated AF (HACAF) and HA-bentonite Coated AF (HABCAF) Bone Tissue Scaffolds. <i>Procedia Chemistry</i> , <b>2016</b> , 19, 884-890		6
208	Microwave Dielectric Properties of Ca <sub>1+x</sub> Cu <sub>3</sub> Ti <sub>4</sub> O <sub>12+x</sub> (-0.04 ≤ x ≤ 0.04) Ceramics. <i>Procedia Chemistry</i> , <b>2016</b> , 19, 929-934		6
207	On the verification of sol-gel-derived ZnO nanoparticle properties using first-principles calculation. <i>Journal of Sol-Gel Science and Technology</i> , <b>2016</b> , 80, 56-67	2.3	6
206	Investigation of the Mixing Medium Effect on the Development of the CCTO Microstructure at 1000 C. <i>Procedia Chemistry</i> , <b>2016</b> , 19, 906-909		1
205	Phase structure, microstructure and broadband dielectric response of Cu nonstoichiometry CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> ceramic. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 683, 579-589	5.7	18
204	Electronic Properties of ZnO Nanoparticles Synthesized by Sol-gel Method: A LDA+U Calculation and Experimental Study. <i>Procedia Chemistry</i> , <b>2016</b> , 19, 125-132		24
203	Linear Shrinkage of the ZTA Ceramic Cutting Inserts. <i>Procedia Chemistry</i> , <b>2016</b> , 19, 879-883		5
202	Mass Transport Analysis in Linear Microdialysis Probes Utilizing Structural Characterization Technique. <i>Procedia Chemistry</i> , <b>2016</b> , 19, 153-161		
201	A Short Review on Copper Calcium Titanate (CCTO) Electroceramic: Synthesis, Dielectric Properties, Film Deposition, and Sensing Application. <i>Nano-Micro Letters</i> , <b>2016</b> , 8, 291-311	19.5	106
200	Assessment of crystallite size and strain of CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> prepared via conventional solid-state reaction. <i>Micro and Nano Letters</i> , <b>2016</b> , 11, 147-150	0.9	32
199	The capability of hibonite elongated grains to influence physical, microstructural, and mechanical properties of zirconia toughened alumina-CeO <sub>2</sub> -MgO ceramics. <i>International Journal of Refractory Metals and Hard Materials</i> , <b>2016</b> , 58, 104-109	4.1	12
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195	Effect of Surface Modification on Rice Husk (RH)/Linear Low Density Polyethylene (LLDPE) Composites under Various Loading Rates. <i>Materials Science Forum</i> , <b>2016</b> , 840, 3-7	0.4	1
194	Effect of Stirring and Aging Time on the Formation of $\beta$ -Tricalcium Phosphate ( $\beta$ -TCP) Powder. <i>Materials Science Forum</i> , <b>2016</b> , 840, 156-159	0.4	
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191	Wear Analysis of ZTA-MgO Ceramic Cutting Inserts on Stainless Steel 316L Machining. <i>Advanced Materials Research</i> , <b>2015</b> , 1087, 101-105	0.5	9
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189	Effect of Cu-Excess on the Microstructure and Microwave Dielectric Properties of $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$ Ceramics. <i>Advanced Materials Research</i> , <b>2015</b> , 1087, 50-54	0.5	2
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185	Compressive strength of treated palm oil fuel ash based geopolymer mortar containing calcium hydroxide, aluminum hydroxide and silica fume as mineral additives. <i>Cement and Concrete Composites</i> , <b>2015</b> , 60, 65-81	8.6	41
184	Initial Efforts in Modelling Mass Transport in Microdialysis Probes: Physical Characterization of the Microdialysis Probe Membrane. <i>Advanced Materials Research</i> , <b>2015</b> , 1087, 365-369	0.5	5
183	Effect of delay time and $\text{Na}_2\text{SiO}_3$ concentrations on compressive strength development of geopolymer mortar synthesized from TPOFA. <i>Construction and Building Materials</i> , <b>2015</b> , 86, 64-74	6.7	25
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181	Effects of Mould Pressure and Substitution of Quartz by Palm Oil Fuel Ash on Compressive Strength of Porcelain. <i>Advanced Materials Research</i> , <b>2015</b> , 1087, 121-125	0.5	3
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178	Influence of Initial Silica Modulus of Na <sub>2</sub> SiO <sub>3</sub> on the Compressive Strength of Alkali Activated Ultrafine Palm Oil Fuel Ash Based Mortar. <i>Applied Mechanics and Materials</i> , <b>2015</b> , 802, 202-207	0.3	2
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170	The effect of sago as binder in the fabrication of alumina foam through the polymeric sponge replication technique. <i>Journal of the European Ceramic Society</i> , <b>2015</b> , 35, 1905-1914	6	18
169	Effects of yttria stabilized zirconia (3Y-TZP) percentages on the ZTA dynamic mechanical properties. <i>International Journal of Refractory Metals and Hard Materials</i> , <b>2015</b> , 50, 157-162	4.1	18
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162	Shrinkage and strength of alkaline activated ground steel slag/ultrafine palm oil fuel ash pastes and mortars. <i>Materials &amp; Design</i> , <b>2014</b> , 63, 710-718		29

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155	Chemical and Mineralogical Properties of Rice Husk Ash (RHA). <i>Jurnal Teknologi (Sciences and Engineering)</i> , <b>2014</b> , 70,	1.2	2
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153	Dielectric Properties of ZrO <sub>2</sub> Doped on NiO at High Frequency. <i>Advanced Materials Research</i> , <b>2014</b> , 895, 216-220	0.5	
152	Effect of Organic Modification on Dynamic Compression Properties of Polypropylene/Muscovite Layered Silicate Composites. <i>Materials Science Forum</i> , <b>2014</b> , 803, 282-287	0.4	1
151	Effect of Temperature and Composition of Palm Oil Fuel Ash on Compressive Strength of Porcelain. <i>Applied Mechanics and Materials</i> , <b>2014</b> , 660, 173-177	0.3	2
150	Effect of Surface Modification on Strain Rate Sensitivity of Polypropylene/Muscovite Layered Silicate Composites. <i>Materials Science Forum</i> , <b>2014</b> , 803, 343-347	0.4	1
149	Effect of Sintering Duration on Pure PZT for Piezofan Application. <i>Advanced Materials Research</i> , <b>2014</b> , 1024, 255-258	0.5	
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138	Application of porous medium burner with micro cogeneration system. <i>Energy</i> , <b>2013</b> , 50, 131-142	7.9	40
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127	Influence of Rice Husk Ash on the Engineering Properties of Fired-Clay Brick. <i>Advanced Materials Research</i> , <b>2013</b> , 795, 14-18	0.5	8
126	Fabrication and Characterisation of Powder Metallurgy Fe-Cr Matrix Composites Reinforced with Al <sub>2</sub> O <sub>3</sub> . <i>Advanced Materials Research</i> , <b>2013</b> , 686, 157-163	0.5	0

125	Effect of Heat Treatment on Ni-P-Cg(Graphite)-SiC Composite Coated Cast AlSi Alloy. <i>Advanced Materials Research</i> , <b>2013</b> , 795, 545-549	0.5	
124	Mixing Optimization of Sn-Cu-Si <sub>3</sub> N <sub>4</sub> via Powder Metallurgy Route for Composite Solder Fabrication. <i>Key Engineering Materials</i> , <b>2013</b> , 594-595, 765-769	0.4	
123	Effect of CaO Dopant on the Dielectric Properties of NiO. <i>Advanced Materials Research</i> , <b>2013</b> , 789, 138-142	0.5	
122	Simulated Body Fluid Sorption and Solubility of Silica Reinforced Dental Resin Composites. <i>Advanced Materials Research</i> , <b>2013</b> , 795, 626-630	0.5	1
121	Bi-polarized dual-segment rectangular dielectric resonator antenna. <i>IETE Journal of Research</i> , <b>2013</b> , 59, 739	0.9	6
120	Evaluation of properties and FEM Model of the Friction welded mild Steel-Al6061-Alumina. <i>Materials Research</i> , <b>2013</b> , 16, 453-467	1.5	27
119	Machining Performance of Reinforced Alumina Insert in End Milling of AISI 1018 Steel. <i>Advanced Materials Research</i> , <b>2013</b> , 795, 597-602	0.5	1
118	Heat of hydration of blended cement containing treated ground palm oil fuel ash. <i>Construction and Building Materials</i> , <b>2012</b> , 27, 78-81	6.7	49
117	Effect of molecular structures on dynamic compression properties of polyethylene. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2012</b> , 538, 125-134	5.3	29
116	Effect of KOH concentration in the gel polymer electrolyte for direct borohydride fuel cell. <i>Journal of Applied Polymer Science</i> , <b>2012</b> , 123, 2662-2666	2.9	9
115	An investigation of dielectric resonator antenna produced from silicon (100) enhanced by strontium doped-barium zirconate films. <i>Journal of Sol-Gel Science and Technology</i> , <b>2012</b> , 61, 411-420	2.3	9
114	Effects of Cr <sub>2</sub> O <sub>3</sub> addition on the mechanical properties, microstructure and wear performance of zirconia-toughened-alumina (ZTA) cutting inserts. <i>Journal of Alloys and Compounds</i> , <b>2012</b> , 513, 91-96	5.7	52
113	Structural and Microstructure Relationship with Fracture Toughness of CeO <sub>2</sub> Addition into Zirconia Toughened Alumina (ZTA) Ceramic Composites. <i>Advanced Materials Research</i> , <b>2012</b> , 620, 252-256	0.5	2
112	Mechanical properties of Sn <sub>0.7</sub> Cu/Si <sub>3</sub> N <sub>4</sub> lead-free composite solder. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2012</b> , 556, 633-637	5.3	68
111	Formation of Titanium Silicon Carbide (Ti <sub>3</sub> SiC <sub>2</sub> ) via Modified Self-Propagating High Temperature Synthesis (SHS) System through Arc Melting. <i>Advanced Materials Research</i> , <b>2012</b> , 620, 304-308	0.5	
110	Effect of Excess Silicon on the Formation of Ti <sub>3</sub> SiC <sub>2</sub> Using Free Ti/Si/C Powders Synthesized via Arc Melting <b>2012</b> , 2012, 1-10		4
109	The effect of loading rates and particle geometry on compressive properties of polypropylene/zinc oxide nanocomposites: Experimental and numerical prediction. <i>Polymer Composites</i> , <b>2012</b> , 33, 99-108	3	11
108	Design and modeling of a high gain wideband circular polarized dielectric resonator antenna array. <i>Microwave and Optical Technology Letters</i> , <b>2012</b> , 54, 1396-1399	1.2	3



107	Bacto agar-based gel polymer electrolyte. <i>Ionics</i> , <b>2012</b> , 18, 359-364	2.7	23
106	Effect of MnO <sub>2</sub> additive on the dielectric and electromagnetic interference shielding properties of sintered cement-based ceramics. <i>Ceramics International</i> , <b>2012</b> , 38, 671-678	5.1	29
105	Role of NbC Grain Growth Inhibitor on Microstructure and Hardness of WC-Stainless Steel Hard Metals. <i>Advanced Materials Research</i> , <b>2012</b> , 620, 424-428	0.5	
104	Heterogeneous Combustion of Ti/Si/C Powders with Estimated Ti <sub>3</sub> SiC <sub>2</sub> Routes Morphologies. <i>Advanced Materials Research</i> , <b>2012</b> , 620, 203-207	0.5	
103	Compressive and Wear Resistance of Alumina Reinforced Fe-Cr Matrix Composites. <i>Advanced Materials Research</i> , <b>2012</b> , 620, 362-367	0.5	1
102	Preparation and Characterization of Biphasic Calcium Phosphate Coatings on 316L Stainless Steel Fabricated by Electrophoretic Deposition. <i>Advanced Materials Research</i> , <b>2012</b> , 620, 373-377	0.5	2
101	Synthesis and Characterization of Ba <sub>0.3</sub> Sr <sub>0.7</sub> ZrO <sub>3</sub> Ceramic Thick Films Prepared by Sol-Gel Technique. <i>Advanced Materials Research</i> , <b>2012</b> , 620, 435-439	0.5	1
100	Research Development of Solder Materials and its Intermetallic Compound (IMC) Study. <i>Advanced Materials Research</i> , <b>2012</b> , 626, 797-801	0.5	
99	Preliminary Evaluation of Mukah Clay Deposits. <i>Advanced Materials Research</i> , <b>2012</b> , 620, 458-463	0.5	1
98	Effect of Temperature on BCP Ceramics Coating on 316L Stainless Steel Using Electrophoretic Technique. <i>Advanced Materials Research</i> , <b>2012</b> , 501, 66-70	0.5	3
97	Phase Formation of Cordierite Using Different Sintering Profile. <i>Advanced Materials Research</i> , <b>2012</b> , 620, 295-298	0.5	
96	Crystallization of TiO <sub>2</sub> Nanotubes Arrays Grown by Anodization of Ti in Organic Electrolyte. <i>Advanced Materials Research</i> , <b>2012</b> , 620, 412-417	0.5	4
95	Microstructure Evolution of Sn-3.5Ag-1.0Cu-0.5Ni/Cu System Lead Free Solder under Long Term Thermal Aging. <i>Advanced Materials Research</i> , <b>2012</b> , 620, 263-267	0.5	0
94	Effect of Nickel on Titanium Carbide Synthesized via Tungsten Inert Gas (TIG) Method. <i>Advanced Materials Research</i> , <b>2012</b> , 620, 384-388	0.5	
93	Identification of Mixed-Layer Mineral of Cambodian Clays and their Phase Changes upon Firing. <i>Advanced Materials Research</i> , <b>2012</b> , 620, 72-76	0.5	
92	Investigation of Grain Size Effect on the Impedance of CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> from 100 Hz to 1 GHz of Frequency. <i>Advanced Materials Research</i> , <b>2012</b> , 620, 230-235	0.5	3
91	Research Advances of Composite Solder Material Fabricated via Powder Metallurgy Route. <i>Advanced Materials Research</i> , <b>2012</b> , 626, 791-796	0.5	4
90	The Effect of CaCO <sub>3</sub> Addition on Physical Properties of ZnO-Based Crystal Glaze. <i>Advanced Materials Research</i> , <b>2012</b> , 620, 12-16	0.5	2

89	Characterization of Sn-3.5Ag-1.0Cu Lead-Free Solder Prepared via Powder Metallurgy Method. <i>Advanced Materials Research</i> , <b>2012</b> , 501, 160-164	0.5	2
88	Effect of the Solid Concentration in the Suspension on Electrophoretic Deposition (EPD) Coating Parameters. <i>International Journal of Engineering Research in Africa</i> , <b>2012</b> , 8, 47-54	0.7	0
87	Influence of Silica and Zirconia Particles as Filler Loading on the Radiopacity of Dental Resin Composites. <i>Advanced Materials Research</i> , <b>2012</b> , 620, 345-349	0.5	3
86	The Effects of Cr <sub>2</sub> O <sub>3</sub> Addition on Fracture Toughness and Phases of ZTA Ceramic Composite. <i>Advanced Materials Research</i> , <b>2012</b> , 620, 35-39	0.5	4
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84	Characterization of Potential Used Rubber Seed Coat Waste for the Removal of Remazol Brilliant Blue R Reactive Dye. <i>Advanced Materials Research</i> , <b>2012</b> , 620, 224-229	0.5	
83	Porous Ceramic Supports Prepared from Porcelain Mixture. <i>Advanced Materials Research</i> , <b>2012</b> , 620, 389-394	0.5	
82	Properties of Mortar Containing Rice Husk Ash at Different Temperature and Exposed to Aggressive Environment. <i>Advanced Materials Research</i> , <b>2012</b> , 620, 87-93	0.5	8
81	Phase Analysis in the Crystallization of Cordierite. <i>Advanced Materials Research</i> , <b>2012</b> , 501, 91-95	0.5	
80	Preparation and characterization of tubular ceramic support for use in transesterification process. <i>Science of Sintering</i> , <b>2012</b> , 44, 187-195	0.7	2
79	Synthesis of Ti <sub>3</sub> SiC <sub>2</sub> via Modified-SHS System through Arc Melting. <i>Advanced Materials Research</i> , <b>2011</b> , 239-242, 2128-2131	0.5	1
78	Some ceramic properties of clays from central Cambodia. <i>Applied Clay Science</i> , <b>2011</b> , 53, 33-41	5.2	53
77	Effect of applied voltage and fluoride ion content on the formation of zirconia nanotube arrays by anodic oxidation of zirconium. <i>Corrosion Science</i> , <b>2011</b> , 53, 1156-1164	6.8	57
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72	Effect of Excess MgO Mole Ratio in a Stoichiometric Cordierite (2MgO·Al <sub>2</sub> O <sub>3</sub> ·SiO <sub>2</sub> ) Composition on the Phase Transformation and Crystallization Behavior of Magnesium Aluminum Silicate Phases. <i>International Journal of Applied Ceramic Technology</i> , <b>2011</b> , 8, 637-645	2	25

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61	Measurement on Strain Rate Sensitivity and Dynamic Mechanical Properties of Various Polymeric Materials. <i>Key Engineering Materials</i> , <b>2011</b> , 471-472, 385-390	0.4	5
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57	Optimization Process for Producing Mesopores Activated Carbon Based on Hevea Brasiliensis Seed Coat Using Response Surface Methodology. <i>Advanced Materials Research</i> , <b>2011</b> , 364, 382-387	0.5	
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50	Characterization and Phase Evolution of Cordierite Based Glass Synthesis from Pure Oxide and Minerals. <i>Advanced Materials Research</i> , <b>2010</b> , 173, 196-201	0.5	
49	Effect of Particle Sizes of Magnesium Oxide on Zirconia Toughened Alumina Vickers Hardness. <i>Advanced Materials Research</i> , <b>2010</b> , 173, 29-34	0.5	1
48	La-Doped CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> Ceramics Sintered in Argon Environment. <i>Advanced Materials Research</i> , <b>2010</b> , 173, 167-172	0.5	
47	Effects of Different Gloss Firing Temperature on the Crystallization of Zinc-Based Crystal Glaze. <i>Advanced Materials Research</i> , <b>2010</b> , 173, 44-48	0.5	1
46	Formation and Mechanistic Study of Self-Ordering ZrO <sub>2</sub> Nanotubes by Anodic Oxidation. <i>Advanced Materials Research</i> , <b>2010</b> , 173, 173-177	0.5	3
45	Wear performance and mechanical properties of 80 wt-%Al <sub>2</sub> O <sub>3</sub> /20 wt-%YSZ cutting inserts at different sintering rates and soaking times. <i>Materials Science and Technology</i> , <b>2010</b> , 26, 95-103	1.5	14
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39	The makings of knowledge enterprises in Malaysia. <i>International Journal of Technology Enhanced Learning</i> , <b>2010</b> , 2, 256	1.2	
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32	Effect of the change of firing temperature on microstructure and physical properties of clay bricks from Beruas (Malaysia). <i>Science of Sintering</i> , <b>2010</b> , 42, 245-254	0.7	50
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30	The production of nickelalumina composite coating via electroplating. <i>Ionics</i> , <b>2009</b> , 15, 603-607	2.7	22
29	Use of waste gypsum to replace natural gypsum as set retarders in portland cement. <i>Waste Management</i> , <b>2009</b> , 29, 1675-9	8.6	105
28	Improvement in dielectric properties of Zn-doped CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> electroceramics prepared by modified mechanical alloying technique. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 476, 477-481	5.7	52
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22	Wideband dielectric resonator antenna for C-Band application <b>2008</b> ,		1
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