

Zainal Arifin Ahmad

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376
papers

4,605
citations

35
h-index

51
g-index

411
ext. papers

5,449
ext. citations

2.3
avg, IF

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L-index

#	Paper	IF	Citations
376	A Short Review on Copper Calcium Titanate (CCTO) Electroceramic: Synthesis, Dielectric Properties, Film Deposition, and Sensing Application. <i>Nano-Micro Letters</i> , 2016 , 8, 291-311	19.5	106
375	Use of waste gypsum to replace natural gypsum as set retarders in portland cement. <i>Waste Management</i> , 2009 , 29, 1675-9	8.6	105
374	Evolution of alkaline activated ground blast furnace slag-ultrafine palm oil fuel ash based concrete. <i>Materials & Design</i> , 2014 , 55, 387-393		100
373	The effect of unburned carbon in palm oil fuel ash on fluidity of cement pastes containing superplasticizer. <i>Construction and Building Materials</i> , 2010 , 24, 1590-1593	6.7	92
372	The sensing mechanism and detection of low concentration acetone using chitosan-based sensors. <i>Sensors and Actuators B: Chemical</i> , 2013 , 177, 522-528	8.5	88
371	Strength and microstructure of alkali-activated binary blended binder containing palm oil fuel ash and ground blast-furnace slag. <i>Construction and Building Materials</i> , 2014 , 52, 504-510	6.7	82
370	Synthesis of geopolymer from large amounts of treated palm oil fuel ash: Application of the Taguchi method in investigating the main parameters affecting compressive strength. <i>Construction and Building Materials</i> , 2014 , 52, 473-481	6.7	79
369	The effects of MgO addition on microstructure, mechanical properties and wear performance of zirconia-toughened alumina cutting inserts. <i>Journal of Alloys and Compounds</i> , 2010 , 497, 316-320	5.7	73
368	Effect of Bi addition on the activation energy for the growth of Cu ₅ Zn ₈ intermetallic in the Sn ₂ Pb lead-free solder. <i>Intermetallics</i> , 2010 , 18, 730-735	3.5	71
367	Preparation and characterization of ceramic foam produced via polymeric foam replication method. <i>Journal of Materials Processing Technology</i> , 2008 , 207, 235-239	5.3	71
366	Mechanical properties of Sn _{0.7} Cu/Si ₃ N ₄ lead-free composite solder. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012 , 556, 633-637	5.3	68
365	Dielectric properties of Nb-doped CaCu ₃ Ti ₄ O ₁₂ electroceramics measured at high frequencies. <i>Journal of Alloys and Compounds</i> , 2010 , 493, 486-492	5.7	68
364	Microstructure and dielectric properties of CaCu ₃ Ti ₄ O ₁₂ ceramic. <i>Materials Letters</i> , 2007 , 61, 1835-1838	3.3	61
363	Effect of applied voltage and fluoride ion content on the formation of zirconia nanotube arrays by anodic oxidation of zirconium. <i>Corrosion Science</i> , 2011 , 53, 1156-1164	6.8	57
362	Effects of TiO ₂ addition on the phase, mechanical properties, and microstructure of zirconia-toughened alumina ceramic composite. <i>Ceramics International</i> , 2015 , 41, 3961-3967	5.1	55
361	Mechanical evaluation and thermal modelling of friction welding of mild steel and aluminium. <i>Journal of Materials Processing Technology</i> , 2010 , 210, 1209-1216	5.3	54
360	Some ceramic properties of clays from central Cambodia. <i>Applied Clay Science</i> , 2011 , 53, 33-41	5.2	53

359	Effects of Cr ₂ O ₃ addition on the mechanical properties, microstructure and wear performance of zirconia-toughened-alumina (ZTA) cutting inserts. <i>Journal of Alloys and Compounds</i> , 2012 , 513, 91-96	5.7	52
358	Improvement in dielectric properties of Zn-doped CaCu ₃ Ti ₄ O ₁₂ electroceramics prepared by modified mechanical alloying technique. <i>Journal of Alloys and Compounds</i> , 2009 , 476, 477-481	5.7	52
357	The effects of CeO ₂ addition on the physical, microstructural and mechanical properties of yttria stabilized zirconia toughened alumina (ZTA). <i>International Journal of Refractory Metals and Hard Materials</i> , 2013 , 36, 162-166	4.1	51
356	Dynamic properties of pultruded natural fibre reinforced composites using Split Hopkinson Pressure Bar technique. <i>Materials & Design</i> , 2010 , 31, 4209-4218		51
355	Effect of the change of firing temperature on microstructure and physical properties of clay bricks from Beruas (Malaysia). <i>Science of Sintering</i> , 2010 , 42, 245-254	0.7	50
354	Heat of hydration of blended cement containing treated ground palm oil fuel ash. <i>Construction and Building Materials</i> , 2012 , 27, 78-81	6.7	49
353	Effects of H ₂ O/Na ₂ O molar ratio on the strength of alkaline activated ground blast furnace slag-ultrafine palm oil fuel ash based concrete. <i>Materials & Design</i> , 2014 , 56, 158-164		47
352	Measurement and prediction of compressive properties of polymers at high strain rate loading. <i>Materials & Design</i> , 2011 , 32, 4207-4215		47
351	Crystal structure of single phase and low sintering temperature of Cordierite synthesized from talc and kaolin. <i>Journal of Alloys and Compounds</i> , 2009 , 482, 429-436	5.7	44
350	Effect of Al ₂ O ₃ /YSZ microstructures on wear and mechanical properties of cutting inserts. <i>Journal of Alloys and Compounds</i> , 2009 , 478, 608-614	5.7	43
349	Effects of the preheat layer thickness on surface/submerged flame during porous media combustion of micro burner. <i>Energy</i> , 2017 , 122, 103-110	7.9	42
348	The influence of in-situ formation of hibonite on the properties of zirconia toughened alumina (ZTA) composites. <i>Ceramics International</i> , 2014 , 40, 6211-6217	5.1	42
347	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> , 2015 , 60, 65-81	8.6	41
346	Influence of curing methods and concentration of NaOH on strength of the synthesized alkaline activated groundslag-ultrafine palm oil fuel ash mortar/concrete. <i>Construction and Building Materials</i> , 2014 , 66, 541-548	6.7	41
345	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> , 2017 , 131, 229-244	6.7	41
344	Application of porous medium burner with micro cogeneration system. <i>Energy</i> , 2013 , 50, 131-142	7.9	40
343	Effects of Filler Size on the Mechanical Properties of Polymer-filled Dental Composites: A Review of Recent Developments. <i>Journal of Physical Science</i> , 2018 , 29, 141-165	2	38
342	A Review on Microdialysis Calibration Methods: the Theory and Current Related Efforts. <i>Molecular Neurobiology</i> , 2017 , 54, 3506-3527	6.2	35

341	Antenna in LTCC Technologies: A Review and the Current State of the Art. <i>IEEE Antennas and Propagation Magazine</i> , 2015 , 57, 241-260	1.7	35
340	Effects of MgO addition on the phase, mechanical properties, and microstructure of zirconia-toughened alumina added with CeO ₂ (ZTA/CeO ₂) ceramic composite. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 595, 18-24	5.3	34
339	Effect of MgO particle size on the microstructure, mechanical properties and wear performance of ZTA/MgO ceramic cutting inserts. <i>International Journal of Refractory Metals and Hard Materials</i> , 2011 , 29, 456-461	4.1	34
338	Microwave sintering of zirconia-toughened alumina (ZTA)-TiO ₂ -Cr ₂ O ₃ ceramic composite: The effects on microstructure and properties. <i>Journal of Alloys and Compounds</i> , 2017 , 722, 458-466	5.7	33
337	The relationship between microstructure and fracture toughness of zirconia toughened alumina (ZTA) added with MgO and CeO ₂ . <i>International Journal of Refractory Metals and Hard Materials</i> , 2013 , 41, 522-530	4.1	33
336	Assessment of crystallite size and strain of CaCu ₃ Ti ₄ O ₁₂ prepared via conventional solid-state reaction. <i>Micro and Nano Letters</i> , 2016 , 11, 147-150	0.9	32
335	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> , 2016 , 109, 198-206	6.7	30
334	Static and dynamic compressive properties of mica/polypropylene composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011 , 528, 1567-1576	5.3	30
333	Effect of Various Coupling Agents on Properties of Alumina-filled PP Composites. <i>Journal of Reinforced Plastics and Composites</i> , 2006 , 25, 745-759	2.9	30
332	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> , 2017 , 8, 26-34		29
331	Structural, surface morphology and optical properties of sputter-coated CaCu ₃ Ti ₄ O ₁₂ thin film: Influence of RF magnetron sputtering power. <i>Materials Science in Semiconductor Processing</i> , 2017 , 66, 157-161	4.3	29
330	Shrinkage and strength of alkaline activated ground steel slag/ultrafine palm oil fuel ash pastes and mortars. <i>Materials & Design</i> , 2014 , 63, 710-718		29
329	Effect of molecular structures on dynamic compression properties of polyethylene. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012 , 538, 125-134	5.3	29
328	Effect of MnO ₂ additive on the dielectric and electromagnetic interference shielding properties of sintered cement-based ceramics. <i>Ceramics International</i> , 2012 , 38, 671-678	5.1	29
327	The development of low cost adsorbents from clay and waste materials: a review. <i>Journal of Material Cycles and Waste Management</i> , 2017 , 19, 1-14	3.4	28
326	Fabrication of tougher ZTA ceramics with sustainable high hardness through (RSM) optimisation. <i>International Journal of Refractory Metals and Hard Materials</i> , 2018 , 74, 78-86	4.1	28
325	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> , 2017 , 47, 406-423	2.9	28
324	Microwave assisted sintering of CaCu ₃ Ti ₄ O ₁₂ . <i>Ceramics International</i> , 2008 , 34, 939-942	5.1	28

323	Evaluation of properties and FEM Model of the Friction welded mild Steel-Al6061-Alumina. <i>Materials Research</i> , 2013 , 16, 453-467	1.5	27
322	Densification and Crystallization of Nonstoichiometric Cordierite Glass with Excess MgO Synthesized from Kaolin and Talc. <i>Journal of the American Ceramic Society</i> , 2011 , 94, 687-694	3.8	27
321	The effect of crosshead speed on the joint strength between Sn-Zn-Bi lead-free solders and Cu substrate. <i>Journal of Alloys and Compounds</i> , 2007 , 436, 112-117	5.7	27
320	The effect of different dopant site (Cu and Ca) by magnesium on CaCu ₃ Ti ₄ O ₁₂ dielectric properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2015 , 26, 3947-3956	2.1	26
319	Studies on the formation of yttrium iron garnet (YIG) through stoichiometry modification prepared by conventional solid-state method. <i>Journal of the European Ceramic Society</i> , 2013 , 33, 1317-1324	6	26
318	Effect of delay time and Na ₂ SiO ₃ concentrations on compressive strength development of geopolymer mortar synthesized from TPOFA. <i>Construction and Building Materials</i> , 2015 , 86, 64-74	6.7	25
317	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> , 2017 , 28, 12458-12466	2.1	25
316	A review of wideband circularly polarized dielectric resonator antennas. <i>China Communications</i> , 2017 , 14, 65-79	3	25
315	Effect of Excess MgO Mole Ratio in a Stoichiometric Cordierite (2MgO·Al ₂ O ₃ ·5SiO ₂) Composition on the Phase Transformation and Crystallization Behavior of Magnesium Aluminum Silicate Phases. <i>International Journal of Applied Ceramic Technology</i> , 2011 , 8, 637-645	2	25
314	Particle size Dependent on the static and dynamic compression properties of polypropylene/silica composites. <i>Materials & Design</i> , 2013 , 45, 539-547		24
313	Thermal expansion coefficient and dielectric properties of non-stoichiometric cordierite compositions with excess MgO mole ratio synthesized from mainly kaolin and talc by the glass crystallization method. <i>Journal of Alloys and Compounds</i> , 2010 , 494, 256-260	5.7	24
312	Electronic Properties of ZnO Nanoparticles Synthesized by Sol-gel Method: A LDA+U Calculation and Experimental Study. <i>Procedia Chemistry</i> , 2016 , 19, 125-132		24
311	Impacts of silica modulus on the early strength of alkaline activated ground slag/ultrafine palm oil fuel ash based concrete. <i>Materials and Structures/Materiaux Et Constructions</i> , 2015 , 48, 733-741	3.4	23
310	Effects of deposition temperatures and substrates on microstructure and optical properties of sputtered CCTO thin film. <i>Materials Letters</i> , 2018 , 210, 4-7	3.3	23
309	Effect of thickness on surface morphology, optical and humidity sensing properties of RF magnetron sputtered CCTO thin films. <i>Applied Surface Science</i> , 2016 , 385, 182-190	6.7	23
308	Effect of MgO Addition on the Mechanical and Dynamic Properties of Zirconia Toughened Alumina (ZTA) Ceramics. <i>Materials</i> , 2019 , 12,	3.5	23
307	Effects of addition of Al(OH) ₃ on the strength of alkaline activated ground blast furnace slag-ultrafine palm oil fuel ash (AAGU) based binder. <i>Construction and Building Materials</i> , 2014 , 50, 361-367	6.7	23
306	Bacto agar-based gel polymer electrolyte. <i>Ionics</i> , 2012 , 18, 359-364	2.7	23

305	High frequency response to the impedance complex properties of Nb-doped CaCu ₃ Ti ₄ O ₁₂ electroceramics. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 5701-5707	5.7	23
304	Analysis of Mineralogical Component of Palm Oil Fuel Ash with or without Unburned Carbon. <i>Advanced Materials Research</i> , 2010 , 173, 7-11	0.5	23
303	The production of nickelalumina composite coating via electroplating. <i>Ionics</i> , 2009 , 15, 603-607	2.7	22
302	2.5 GHz BaTiO ₃ DIELECTRIC RESONATOR ANTENNA. <i>Progress in Electromagnetics Research</i> , 2007 , 76, 201-210	3.8	22
301	Improved super-hydrophobicity of eco-friendly coating from palm oil fuel ash (POFA) waste. <i>Surface and Coatings Technology</i> , 2018 , 337, 126-135	4.4	22
300	High sensitivity and selectivity of CaCu ₃ Ti ₄ O ₁₂ -ZnO composites towards acetone gas at room temperature. <i>Ceramics International</i> , 2018 , 44, 6904-6911	5.1	21
299	Hardness and toughness enhancement of CeO ₂ addition to ZTA ceramics through HIPping technique. <i>International Journal of Refractory Metals and Hard Materials</i> , 2017 , 69, 60-65	4.1	21
298	Structural characteristics and dielectric properties of neodymium doped barium titanate. <i>Journal of Materials Science: Materials in Electronics</i> , 2011 , 22, 167-173	2.1	21
297	Effects of Cu and Ti excess on the dielectric properties of CaCu ₃ Ti ₄ O ₁₂ prepared using a wet chemical method. <i>Journal of Alloys and Compounds</i> , 2007 , 443, 155-160	5.7	21
296	Sago starch as binder and pore-forming agent for the fabrication of porcelain foam. <i>Ceramics International</i> , 2014 , 40, 4777-4784	5.1	20
295	Wettability, Electrical and Mechanical Properties of 99.3Sn-0.7Cu/Si ₃ N ₄ Novel Lead-Free Nanocomposite Solder. <i>Advanced Materials Research</i> , 2011 , 277, 106-111	0.5	20
294	Design of a novel dielectric resonator antenna using MgTiO ₃ /CoTiO ₃ for wideband applications. <i>Materials and Design</i> , 2015 , 85, 396-403	8.1	19
293	Effects of deposition time on properties of CaCu ₃ Ti ₄ O ₁₂ thin film deposited on ITO substrate by RF magnetron sputtering at ambient temperature. <i>Ceramics International</i> , 2018 , 44, 18817-18820	5.1	19
292	Grain growth, phase evolution and properties of NbC carbide-doped WC-10AlSi304 hardmetals produced by pseudo hot isostatic pressing. <i>Journal of Alloys and Compounds</i> , 2013 , 552, 20-25	5.7	19
291	Mechanical properties of nanosilica/polypropylene composites under dynamic compression loading. <i>Polymer Composites</i> , 2011 , 32, 565-575	3	19
290	Room temperature LPG resistive sensor based on the use of a few-layer graphene/SnO nanocomposite. <i>Mikrochimica Acta</i> , 2017 , 185, 69	5.8	18
289	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> , 2015 , 35, 1905-1914	6	18
288	Effects of yttria stabilized zirconia (3Y-TZP) percentages on the ZTA dynamic mechanical properties. <i>International Journal of Refractory Metals and Hard Materials</i> , 2015 , 50, 157-162	4.1	18

287	Phase structure, microstructure and broadband dielectric response of Cu nonstoichiometry CaCu ₃ Ti ₄ O ₁₂ ceramic. <i>Journal of Alloys and Compounds</i> , 2016 , 683, 579-589	5-7	18
286	Effect of ceramic coating in combustion and cogeneration performance of Al ₂ O ₃ porous medium. <i>Journal of the Energy Institute</i> , 2016 , 89, 81-93	5-7	17
285	Effects of Cr ₂ O ₃ addition on the phase, mechanical properties, and microstructure of zirconia-toughened alumina added with TiO ₂ (ZTA/TiO ₂) ceramic composite. <i>International Journal of Refractory Metals and Hard Materials</i> , 2016 , 61, 40-45	4-1	17
284	Synthesis and characterization of xMgO·(5-x)Al ₂ O ₃ ·BSiO ₂ (x=2.6-0) system using mainly talc and kaolin through the glass route. <i>Materials Chemistry and Physics</i> , 2011 , 129, 910-918	4-4	17
283	Structural and electrical characteristic of crystalline barium titanate synthesized by low temperature aqueous method. <i>Journal of Materials Processing Technology</i> , 2008 , 195, 171-177	5-3	17
282	Influence of annealing temperature on morphological and photocatalytic activity of sputter-coated CaCu ₃ Ti ₄ O ₁₂ thin film under ultraviolet light irradiation. <i>Ceramics International</i> , 2019 , 45, 20697-20703	5-1	16
281	Synthesis of high purity titanium silicon carbide from elemental powders using arc melting method. <i>International Journal of Refractory Metals and Hard Materials</i> , 2014 , 47, 86-92	4-1	16
280	Alumina mild steel friction welded at lower rotational speed. <i>Journal of Materials Processing Technology</i> , 2008 , 204, 279-283	5-3	16
279	Fabrication of resistance type humidity sensor based on CaCu ₃ Ti ₄ O ₁₂ thick film. <i>Measurement: Journal of the International Measurement Confederation</i> , 2016 , 94, 902-908	4-6	16
278	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> , 2017 , 143, 327-335	5-2	15
277	Using design of mixture experiments to optimize triaxial ceramic tile compositions incorporating Cambodian clays. <i>Applied Clay Science</i> , 2014 , 87, 97-107	5-2	15
276	Sintering characteristics and properties of WC-10AlSi304 (stainless steel) hardmetals with added graphite. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 605, 210-214	5-3	15
275	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> , 2017 , 4, 085908	1-7	14
274	Wear performance and mechanical properties of 80 wt-%Al ₂ O ₃ /20 wt-%YSZ cutting inserts at different sintering rates and soaking times. <i>Materials Science and Technology</i> , 2010 , 26, 95-103	1-5	14
273	The role of tin oxide addition on the properties of microwave treated CaCu ₃ Ti ₄ O ₁₂ . <i>Materials Chemistry and Physics</i> , 2008 , 112, 83-87	4-4	14
272	Effect of sample perimeter and temperature on Sn-Zn based lead-free solders. <i>Materials Letters</i> , 2006 , 60, 2383-2389	3-3	14
271	Effect of Ar:N ₂ flow rate on morphology, optical and electrical properties of CCTO thin films deposited by RF magnetron sputtering. <i>Ceramics International</i> , 2019 , 45, 15077-15081	5-1	13
270	Mechanical Properties of PMMA Denture Base Reinforced by Nitrile Rubber Particles with Al ₂ O ₃ /YSZ Fillers. <i>Procedia Manufacturing</i> , 2015 , 2, 301-306	1-5	13

269	The use of carbon black-TiO ₂ 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> , 2018 , 79, 366-371	3.3	13
268	The Effects of Al ₂ O ₃ Amount on the Microstructure and Properties of Fe-Cr Matrix Composites. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2010 , 41, 3452-3457	2.3	13
267	A direct borohydride fuel cell employing a sago gel polymer electrolyte. <i>International Journal of Hydrogen Energy</i> , 2010 , 35, 11229-11236	6.7	13
266	A novel 5.8 GHz quasi-lumped element resonator antenna. <i>AEU - International Journal of Electronics and Communications</i> , 2013 , 67, 557-563	2.8	12
265	Effect of Nb-doped TiO ₂ photoanode using solid state method with E. conferta as sensitizer on the performance of dye sensitized solar cell. <i>Optik</i> , 2017 , 144, 91-101	2.5	12
264	Performance of Different Grades of Palm Oil Fuel Ash with Ground Slag as Base Materials in the Synthesis of Alkaline Activated Mortar. <i>Journal of Advanced Concrete Technology</i> , 2014 , 12, 378-387	2.3	12
263	Characterization and thermal modelling of friction welded alumina build steel with the use of Al 1100 interlayer. <i>Journal of Alloys and Compounds</i> , 2010 , 506, 703-709	5.7	12
262	The evaluation of nickel deposit obtained via Watts electrolyte at ambient temperature	2010 , 7, 815-820	12
261	The capability of hibonite elongated grains to influence physical, microstructural, and mechanical properties of zirconia toughened alumina-CeO ₂ -MgO ceramics. <i>International Journal of Refractory Metals and Hard Materials</i> , 2016 , 58, 104-109	4.1	12
260	Effect of SrCO ₃ addition on the dynamic compressive strength of ZTA. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2016 , 23, 481-489	3.1	12
259	The effects of CeO ₂ addition on the physical and microstructural properties of ZTA-TiO ₂ ceramics composite. <i>Journal of Alloys and Compounds</i> , 2019 , 773, 27-33	5.7	12
258	Enhancement of YIG bandwidth efficiency through Ce-doping for dielectric resonator antenna (DRA) applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2015 , 26, 504-514	2.1	11
257	Performance of E. conferta and G. atroviridis fruit extracts as sensitizers in dye-sensitized solar cells (DSSCs). <i>Ionics</i> , 2018 , 24, 891-899	2.7	11
256	The effect of loading rates and particle geometry on compressive properties of polypropylene/zinc oxide nanocomposites: Experimental and numerical prediction. <i>Polymer Composites</i> , 2012 , 33, 99-108	3	11
255	Effect of impurities content from minerals on phase transformation, densification and crystallization of cordierite glass-ceramic. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 7645-7651	5.7	11
254	Synthesis and characterization of porous biphasic calcium phosphate scaffold from different porogens for possible bone tissue engineering applications. <i>Science of Sintering</i> , 2011 , 43, 183-192	0.7	11
253	Photodegradation of rhodamine B-dye pollutant using CaCu ₃ Ti ₄ O ₁₂ -multiwall carbon nanotube nanocomposites. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105185	6.8	11
252	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> , 2017 , 19, 794-803	3.4	10

251	The behavior of high frequency tunable dielectric resonator antenna (DRA) with the addition of excess Fe ₂ O ₃ in Y ₃ Fe ₅ O ₁₂ (YIG) formulation. <i>Journal of Materials Science: Materials in Electronics</i> , 2014 , 25, 560-572	2.1	10
250	The effect of polymeric template density and solid loading on the properties of ceramic foam. <i>Science of Sintering</i> , 2009 , 41, 319-327	0.7	10
249	The effect of CaCO ₃ addition on the crystallization behavior of ZnO crystal glaze fired at different gloss firing and crystallization temperatures. <i>Science of Sintering</i> , 2010 , 42, 345-355	0.7	10
248	Tougher and harder zirconia toughened alumina (ZTA) composites through in situ microstructural formation of LaMgAl ₁₁ O ₁₉ . <i>International Journal of Refractory Metals and Hard Materials</i> , 2019 , 79, 60-68	4.1	10
247	Structural, piezoelectric, and dielectric properties of PZT-based ceramics without excess lead oxide. <i>Journal of the Australian Ceramic Society</i> , 2020 , 56, 371-377	1.5	10
246	Improved Adhesion of Nonfluorinated ZnO Nanotriangle Superhydrophobic Layer on Glass Surface by Spray-Coating Method. <i>Journal of Nanomaterials</i> , 2018 , 2018, 1-11	3.2	10
245	Wear Analysis of ZTA-MgO Ceramic Cutting Inserts on Stainless Steel 316L Machining. <i>Advanced Materials Research</i> , 2015 , 1087, 101-105	0.5	9
244	Evaluation of Slag-Blended Alkaline-Activated Palm Oil Fuel Ash Mortar Exposed to the Sulfuric Acid Environment. <i>Journal of Materials in Civil Engineering</i> , 2015 , 27, 04015058	3	9
243	Photocatalytic Degradation of Organic Dye by Sol-Gel-Synthesized CaCu ₃ Ti ₄ O ₁₂ Powder. <i>Journal of Materials Engineering and Performance</i> , 2020 , 29, 2006-2014	1.6	9
242	Sintering and grain growth control of high dense YIG. <i>Ceramics International</i> , 2016 , 42, 13996-14005	5.1	9
241	Effect of Mullite Formation on Properties of Aluminosilicate Ceramic Balls. <i>Procedia Chemistry</i> , 2016 , 19, 922-928		9
240	Detection of fracture in ceramic cutting tools from workpiece profile signature using image processing and fast Fourier transform. <i>Precision Engineering</i> , 2016 , 44, 131-142	2.9	9
239	Effect of KOH concentration in the gel polymer electrolyte for direct borohydride fuel cell. <i>Journal of Applied Polymer Science</i> , 2012 , 123, 2662-2666	2.9	9
238	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> , 2012 , 61, 411-420	2.3	9
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