

Zainal Arifin Ahmad

List of Publications by Year in descending order

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406
papers

6,408
citations

57758

44
h-index

128289

60
g-index

411
all docs

411
docs citations

411
times ranked

5163
citing authors

#	ARTICLE	IF	CITATIONS
1	Modification of curing, morphological, mechanical and electrical properties of epoxidised natural rubber (ENR-25) through the addition of copper calcium titanium oxide (CCTO). Polymer Bulletin, 2022, 79, 9907-9923.	3.3	3
2	Influence of milling process of palm oil fuel ash on the properties of palm oil fuel ash-based alkali activated mortar. Case Studies in Construction Materials, 2022, 16, e00857.	1.7	0
3	Analysis of the Proposed Boundary Conditions for the Conductive Material and Substrate Thickness of Air-Substrate Microstrip Patch Antenna via Graphical Verification Method. Lecture Notes in Electrical Engineering, 2022, , 86-92.	0.4	0
4	A Compact MIMO Antenna for Wideband Circularly Polarized mmWave Communications. Lecture Notes in Electrical Engineering, 2022, , 273-279.	0.4	1
5	The engineering properties and pozzolanic reaction kinetics of quaternary blended binder high strength mortars optimized by the Taguchi method. Journal of Building Engineering, 2022, 54, 104582.	3.4	1
6	Effects of additives additions and sintering techniques on the microstructure and mechanical properties of Zirconia Toughened Alumina (ZTA): A review. International Journal of Refractory Metals and Hard Materials, 2022, 106, 105870.	3.8	25
7	The influence of palm oil fuel ash heat treatment on the strength activity, porosity, and water absorption of cement mortar. Environmental Science and Pollution Research, 2022, 29, 72493-72514.	5.3	1
8	An Assessment of Progress in 5.8 GHz Quasi-lumped Element Resonator Antennas. IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India), 2021, 38, 328-346.	3.2	7
9	Effects of La ₂ O ₃ addition on microstructure development and physical properties of harder ZTA-CeO ₂ composites with sustainable high fracture toughness. Journal of Rare Earths, 2021, 39, 844-849.	4.8	20
10	Effect of alkaline activator ratio on the compressive strength response of POFA-EACC mortar subjected to elevated temperature. Materials at High Temperatures, 2021, 38, 166-176.	1.0	4
11	Wheel-shaped miniature assembly of circularly polarized wideband microstrip antenna for 5G ⁺ mmWave terminals. AEJ - Alexandria Engineering Journal, 2021, 60, 2457-2470.	6.4	9
12	Photodegradation of rhodamine B-dye pollutant using CaCu ₃ Ti ₄ O ₁₂ -multiwall carbon nanotube nanocomposites. Journal of Environmental Chemical Engineering, 2021, 9, 105185.	6.7	59
13	Influence of sintering parameters on structural, dielectric and piezoelectric properties of Ca, La and Sr-doped PZT (PCLSZT) electroceramics. Journal of Materials Science: Materials in Electronics, 2021, 32, 18095-18107.	2.2	4
14	Structural, piezoelectric, and dielectric properties of PZT-based ceramics without excess lead oxide. Journal of the Australian Ceramic Society, 2020, 56, 371-377.	1.9	19
15	Optimization of Ceramic Tile Properties from Three Malaysian Clays via Statistical Mixture Design. Arabian Journal for Science and Engineering, 2020, 45, 275-290.	3.0	5
16	Structural Characteristic and Dielectric Properties of Zirconia Toughened Alumina. Materials Science Forum, 2020, 1010, 250-255.	0.3	0
17	A Low-Profile Hybrid Multi-Permittivity Dielectric Resonator Antenna With Perforated Structure for Ku and K Band Applications. IEEE Access, 2020, 8, 151219-151228.	4.2	18
18	Effect of various commercial of Na ₂ SiO ₃ on compressive strength of Fly ash-based alkaline activated mortar. IOP Conference Series: Materials Science and Engineering, 2020, 801, 012078.	0.6	0

#	ARTICLE	IF	CITATIONS
19	Formation of Ytria Aluminium Garnet by Microwave Sintering. Materials Science Forum, 2020, 1010, 222-227.	0.3	2
20	Microstructural and Dielectric Responses of Calcium Copper Titanate Added Soda-Lime Glass for High Frequency Devices. Materials Science Forum, 2020, 1010, 233-238.	0.3	0
21	Photocatalytic Degradation of Organic Dye by Sol-Gel-Synthesized CaCu ₃ Ti ₄ O ₁₂ Powder. Journal of Materials Engineering and Performance, 2020, 29, 2006-2014.	2.5	38
22	Effects of multiwall carbon nanotubes on dielectric and mechanical properties of CaCu ₃ Ti ₄ O ₁₂ composite. Ceramics International, 2020, 46, 20313-20319.	4.8	17
23	Performance of dye-sensitized solar cell (DSSC) using carbon black-TiO ₂ composite as counter electrode subjected to different annealing temperatures. Optical and Quantum Electronics, 2020, 52, 1.	3.3	10
24	Wideband frequency tunability of CaCu ₃ Ti ₄ O ₁₂ -based dielectric resonator antennas via the addition of glass. International Journal of Applied Ceramic Technology, 2020, 17, 1909-1917.	2.1	2
25	Effect of Various Grades of Na ₂ SiO ₃ on Compressive Strength Development of Eggshells Powder-Based Alkaline Activated Mortar. Lecture Notes in Civil Engineering, 2020, , 453-461.	0.4	6
26	Compressive Strength and Microstructural Characteristics of Binary Blended Cement Mortar Containing Palm Oil Fuel Ash. Lecture Notes in Civil Engineering, 2020, , 1513-1522.	0.4	1
27	Investigation on Strength Enhancement of U-TPOFA Based Binary Blended Alkali Activated Mortar Through Addition of Fly Ash. Lecture Notes in Civil Engineering, 2020, , 1129-1137.	0.4	0
28	A 28 GHz mmWave Circular Microstrip Antenna with Rectangular Slots on Air-Substrate. , 2020, , .		6
29	Energy harvesting properties of chitosan film in harvesting water vapour into electrical energy. Journal of Materials Science: Materials in Electronics, 2019, 30, 16275-16286.	2.2	5
30	Synthesis of hydroxyapatite via phase transformation of calcium hydrogen phosphate dihydrate: Effects of temperature variation on phase and morphology. Ceramics International, 2019, 45, 21168-21174.	4.8	4
31	Influence of annealing temperature on morphological and photocatalytic activity of sputter-coated CaCu ₃ Ti ₄ O ₁₂ thin film under ultraviolet light irradiation. Ceramics International, 2019, 45, 20697-20703.	4.8	38
32	Effect of MgO Addition on the Mechanical and Dynamic Properties of Zirconia Toughened Alumina (ZTA) Ceramics. Materials, 2019, 12, 2440.	2.9	34
33	Development of foam porous media to undergo surface and submerged flame during premixed combustion. IOP Conference Series: Materials Science and Engineering, 2019, 505, 012123.	0.6	2
34	Analysis on physical and microstructural properties of ZTA-SWNT ceramic cutting tool. AIP Conference Proceedings, 2019, , .	0.4	2
35	Structural, morphological and electrical properties of ZTA-La ₂ O ₃ composite ceramic. AIP Conference Proceedings, 2019, , .	0.4	0
36	Densification and grain growth of microwave-sintered yttrium iron garnet. AIP Conference Proceedings, 2019, , .	0.4	0

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37	The effects of sintered sample thickness on the dielectric properties of CaCu ₃ Ti ₄ O ₁₂ ceramics prepared at 1000–1100 °C in air. <i>Ceramics International</i> , 2019, 45, 14652-14662.	4.8	1
38	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.	4.8	31
39	Effects of type of solution on the conversion phase of dicalcium hydrogen phosphate dihydrate to hydroxyapatite via dissolution-precipitation. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	0
40	Microstructure and dielectric properties of silicone rubber/CCTO composites. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	1
41	Role of pentavalent niobium oxide additions on the microstructure and structure of zirconia toughened alumina using hot isostatic press sintering. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	1
42	Dielectric resonator antenna of CaCu ₃ Ti ₄ O ₁₂ with addition of SrO-B ₂ O ₃ -SiO ₂ glass for wideband application. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	0
43	Effect of Sr dopant to the KNN-LiTaSb properties. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	0
44	Effect of Sm on YIG: Structural and dielectric properties evaluation. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	5
45	Hardness and fracture toughness analysis of ZTA–SWCNT ceramic cutting inserts. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	1
46	Effect of processing parameters on coefficient of thermal expansion of ceramic tiles. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	0
47	Decomposition of TiO ₂ , CuO and CaCO ₃ for CaCu ₃ Ti ₄ O ₁₂ formation through solid state reaction. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	0
48	Effect of WO ₃ loading on structural, electrical and dielectric properties of CaCu ₃ Ti ₄ O ₁₂ ceramic composites. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 6806-6810.	2.2	11
49	Effect of Ultra-low Vegetable Oil Droplets on Microporous Media Burner Under Surface and Submerged Flames. <i>Arabian Journal for Science and Engineering</i> , 2019, 44, 5921-5935.	3.0	1
50	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> , 2019, 508, 012072.	0.6	1
51	28 GHz mmWave Quasi-Lumped Element Resonator Antenna on Air-Substrate. , 2019, , .		4
52	Study on modified curve fitting model in analyzing YIG resonator antenna. <i>Microwave and Optical Technology Letters</i> , 2019, 61, 337-342.	1.4	1
53	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.	3.8	17
54	Effective dielectric loss (tan δ) reduction of CaCu ₃ Ti ₄ O ₁₂ (CCTO) via various addition of glasses. <i>International Journal of Applied Ceramic Technology</i> , 2019, 16, 850-861.	2.1	6

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55	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.	5.5	21
56	Modelling the early strength of alkali-activated cement composites containing palm oil fuel ash. <i>Proceedings of Institution of Civil Engineers: Construction Materials</i> , 2019, 172, 133-143.	1.1	4
57	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.	3.8	33
58	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.	3.6	23
59	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.	4.8	30
60	Effects of CIP compaction pressure on piezoelectric properties of K _{0.5} Na _{0.5} NbO ₃ . <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 5439-5445.	2.2	4
61	Room temperature LPG resistive sensor based on the use of a few-layer graphene/SnO ₂ nanocomposite. <i>Mikrochimica Acta</i> , 2018, 185, 69.	5.0	22
62	The effect of cutting parameters on the performance of ZTA-MgO cutting tool. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 290, 012072.	0.6	4
63	Compressive mechanical properties of sawdust/high density polyethylene composites under various strain rate loadings. <i>Journal of Vinyl and Additive Technology</i> , 2018, 24, 162-173.	3.4	2
64	Sago pith waste ash as a potential raw material for ceramic and geopolymer fabrication. <i>Journal of Material Cycles and Waste Management</i> , 2018, 20, 1090-1098.	3.0	9
65	Role of moisturising and pressing pressure on ceramic tile properties. <i>Journal of the Australian Ceramic Society</i> , 2018, 54, 81-89.	1.9	13
66	Effects of deposition temperatures and substrates on microstructure and optical properties of sputtered CCTO thin film. <i>Materials Letters</i> , 2018, 210, 4-7.	2.6	43
67	Performance of E. conferta and G. atroviridis fruit extracts as sensitizers in dye-sensitized solar cells (DSSCs). <i>Ionics</i> , 2018, 24, 891-899.	2.4	13
68	Improved super-hydrophobicity of eco-friendly coating from palm oil fuel ash (POFA) waste. <i>Surface and Coatings Technology</i> , 2018, 337, 126-135.	4.8	32
69	Investigation of micro burner performance during porous media combustion for surface and submerged flames. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 370, 012049.	0.6	2
70	Assessment of porous media combustion with foam porous media for surface/submerged flame. <i>Materials Today: Proceedings</i> , 2018, 5, 20865-20873.	1.8	9
71	Improved Adhesion of Nonfluorinated ZnO Nanotriangle Superhydrophobic Layer on Glass Surface by Spray-Coating Method. <i>Journal of Nanomaterials</i> , 2018, 2018, 1-11.	2.7	15
72	Effect of nitrile butadiene rubber/Al ₂ O ₃ /YSZ fillers for PMMA denture base on the thermal and mechanical properties. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 134, 941-951.	3.6	5

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73	Impact of Al(OH) ₃ addition to POFA on the compressive strength of POFA alkali-activated mortar. <i>Construction and Building Materials</i> , 2018, 190, 65-82.	7.2	19
74	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.	4.8	29
75	Experiential study on temperature and emission performance of micro burner during porous media combustion. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 370, 012057.	0.6	2
76	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.	0.9	99
77	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> , 2018, 83, 75-91.	0.8	23
78	Effect of Single Walled Carbon Nanotube Addition to the Physical Properties of Monolithic Alumina. <i>International Journal of Current Research in Science Engineering & Technology</i> , 2018, 1, 585.	0.1	2
79	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.	3.0	38
80	Poly(methyl methacrylate) denture base composites enhancement by various combinations of nitrile butadiene rubber/treated ceramic fillers. <i>Journal of Thermoplastic Composite Materials</i> , 2017, 30, 1069-1090.	4.2	16
81	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.	3.0	12
82	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.	1.2	56
83	A Review on Microdialysis Calibration Methods: the Theory and Current Related Efforts. <i>Molecular Neurobiology</i> , 2017, 54, 3506-3527.	4.0	53
84	Effects of the preheat layer thickness on surface/submerged flame during porous media combustion of micro burner. <i>Energy</i> , 2017, 122, 103-110.	8.8	50
85	Assessment of porous media burner for surface/submerged flame during porous media combustion. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	5
86	Dielectric Properties of Al ₂ O ₃ /CaCu ₃ Ti ₄ O ₁₂ Composite at High Frequency Range. <i>Materials Science Forum</i> , 2017, 888, 7-11.	0.3	1
87	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	24
88	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.	4.0	46
89	Stress Analysis of a Stretchable Electronic Circuit. <i>Procedia Engineering</i> , 2017, 184, 625-630.	1.2	8
90	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.	5.5	47

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91	Synthesis and Characterization of $\text{Pb}(\text{Zr}_{0.52}\text{Ti}_{0.48})\text{O}_3$ Properties via High Planetary Mill. Materials Science Forum, 2017, 888, 96-102.	0.3	0
92	Effect of thickness on humidity sensing properties of RF magnetron sputtered $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$ thin films on alumina substrate. IEEE Sensors Journal, 2017, , 1-1.	4.7	6
93	Effect of Sintering Temperature on Structure and Dielectric Properties of Lead Free $\text{K}_{0.5}\text{Na}_{0.5}\text{NbO}_3$ Prepared via Hot Isostatic Pressing. Materials Science Forum, 2017, 888, 42-46.	0.3	5
94	Effect of Curing Time and Sintering to the Properties of Geopolymer Mortars. Materials Science Forum, 2017, 888, 184-187.	0.3	1
95	Elemental, Thermal, and Structural Characterization of ZnO Doped 8 mol% Yttria-Stabilized Zirconia (8YSZ) Ceramics. Materials Science Forum, 2017, 888, 57-61.	0.3	2
96	Fabrication of Lanthanum and Strontium Doped PZT Ceramics Using Solid State Reaction Method. Materials Science Forum, 2017, 888, 62-65.	0.3	1
97	Piezoelectric and dielectric properties of $\text{Pb}_{0.93}\text{La}_{0.02}\text{Sr}_{0.05}(\text{Zr}_{0.52}\text{Ti}_{0.48})\text{O}_3$ ceramics doped with Li_2CO_3 at low sintering temperature. Ceramics International, 2017, 43, 2644-2649.	4.8	11
98	Nucleation of octahedral titanate crystals using waste anodic electrolyte from the anodization of TiO_2 nanotubes. CrystEngComm, 2017, 19, 6406-6411.	2.6	4
99	Study on Conversion Time of Brushite to Monetite via Hydrothermal Method. Materials Science Forum, 2017, 888, 319-323.	0.3	2
100	Design of a negative conductance dielectric resonator oscillator for X-band applications. Radioelectronics and Communications Systems, 2017, 60, 413-422.	0.5	4
101	Efficient diagnostics of the electronic and optical properties of defective ZnO nanoparticles synthesized using the sol-gel method: experimental and theoretical studies. Materials Research Express, 2017, 4, 085908.	1.6	26
102	The improvement of the mechanical properties of PMMA denture base by Al_2O_3 particles with nitrile rubber. AIP Conference Proceedings, 2017, , .	0.4	1
103	A novel homogeneous stacked yttrium ion garnet resonator antenna for wideband application. Microwave and Optical Technology Letters, 2017, 59, 3036-3041.	1.4	3
104	Hardness and toughness enhancement of CeO_2 addition to ZTA ceramics through HIPping technique. International Journal of Refractory Metals and Hard Materials, 2017, 69, 60-65.	3.8	26
105	Characterization of metakaolin treated at different calcination temperatures. AIP Conference Proceedings, 2017, , .	0.4	2
106	Effects of annealing temperature on the structural, morphology, optical properties and resistivity of sputtered CCTO thin film. Journal of Materials Science: Materials in Electronics, 2017, 28, 12458-12466.	2.2	50
107	Structural Properties of $\text{Pb}(\text{Zr}_{0.52}\text{Ti}_{0.38}\text{Li}_{0.1})\text{O}_3$ Prepared via High Planetary Mill. Materials Science Forum, 2017, 888, 91-95.	0.3	1
108	Effect of Nb-doped TiO_2 photoanode using solid state method with E. conferta as sensitizer on the performance of dye sensitized solar cell. Optik, 2017, 144, 91-101.	2.9	16

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109	A review of wideband circularly polarized dielectric resonator antennas. China Communications, 2017, 14, 65-79.	3.2	43
110	Detection of chipping in ceramic cutting inserts from workpiece profile during turning using fast Fourier transform (FFT) and continuous wavelet transform (CWT). Precision Engineering, 2017, 47, 406-423.	3.4	53
111	Durability performance of Palm Oil Fuel Ash-based Engineered Alkaline-activated Cementitious Composite (POFA-EACC) mortar in sulfate environment. Construction and Building Materials, 2017, 131, 229-244.	7.2	61
112	Preliminary Determination of Minerals in Mukah Coal. Materials Science Forum, 2017, 888, 458-461.	0.3	1
113	Effect of Firing Temperature on Mechanical and Physical Properties of Porcelain Balls as Grinding Media. Materials Science Forum, 2017, 888, 37-41.	0.3	1
114	Microstructural, Mechanical and Dielectric Properties of CCTO/Epoxy Composite. Solid State Phenomena, 2017, 264, 206-210.	0.3	2
115	POFA-Engineered Alkali-activated Cementitious Composite Performance in Acid Environment. Journal of Advanced Concrete Technology, 2017, 15, 684-699.	1.8	13
116	Analysis of Passive Frequency Multiplier Designs for K-Band Wireless Communication Systems. Lecture Notes in Electrical Engineering, 2017, , 581-586.	0.4	0
117	Characterization of microstructures evolution on electrical responses of CaCu ₃ Ti ₄ O ₁₂ ceramics. Journal of King Saud University, Engineering Sciences, 2016, 28, 240-245.	2.0	8
118	Why a Comprehensive Physical Characterization Effort of Microdialysis Membranes is Imperative for Computational Mass Transfer Studies?. Materials Science Forum, 2016, 840, 180-184.	0.3	1
119	Effect of Particle Size on Mechanical Properties of Sawdust-High Density Polyethylene Composites under Various Strain Rates. BioResources, 2016, 11, .	1.0	14
120	Synthesis and Characterization of Stabilized Zirconia Toughened Alumina (ZTA) Doped Niobium Pentoxide (Nb ₂ O ₅). MATEC Web of Conferences, 2016, 78, 01098.	0.2	1
121	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. Materials Science Forum, 2016, 840, 315-320.	0.3	2
122	Improvement of Porous Porcelain through Glaze Coating. Materials Science Forum, 2016, 840, 19-23.	0.3	0
123	Microwave dielectric properties of CaCu ₃ Ti ₄ O ₁₂ -Al ₂ O ₃ composite. AIP Conference Proceedings, 2016, , .	0.4	2
124	On Using Factorial Fractional Design to Fabricate Porous Alumina Scaffolds for Bone Tissue Engineering (BTE). Materials Science Forum, 2016, 840, 185-190.	0.3	0
125	The Investigation of the Phenomenological YIG Phase Formation Within 1000Å°C to 1250Å°C: A Kinetic Approach. Journal of the American Ceramic Society, 2016, 99, 315-323.	3.8	8
126	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. Procedia Chemistry, 2016, 19, 884-890.	0.7	6

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127	Microwave Dielectric Properties of $\text{Ca}_{1+x}\text{Cu}_3\text{Ti}_4\text{O}_{12+x}$ ($-0.04 \leq x \leq 0.04$) Ceramics. <i>Procedia Chemistry</i> , 2016, 19, 929-934.	0.7	14
128	On the verification of sol-gel-derived ZnO nanoparticle properties using first-principles calculation. <i>Journal of Sol-Gel Science and Technology</i> , 2016, 80, 56-67.	2.4	11
129	Investigation of the Mixing Medium Effect on the Development of the CCTO Microstructure at 1000 °C. <i>Procedia Chemistry</i> , 2016, 19, 906-909.	0.7	1
130	Phase structure, microstructure and broadband dielectric response of Cu nonstoichiometry $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$ ceramic. <i>Journal of Alloys and Compounds</i> , 2016, 683, 579-589.	5.5	26
131	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.	0.7	33
132	Linear Shrinkage of the ZTA Ceramic Cutting Inserts. <i>Procedia Chemistry</i> , 2016, 19, 879-883.	0.7	7
133	Mass Transport Analysis in Linear Microdialysis Probes Utilizing Structural Characterization Technique. <i>Procedia Chemistry</i> , 2016, 19, 153-161.	0.7	0
134	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.	27.0	152
135	Assessment of crystallite size and strain of $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$ prepared via conventional solid-state reaction. <i>Micro and Nano Letters</i> , 2016, 11, 147-150.	1.3	61
136	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.	3.8	14
137	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.	4.9	19
138	Synthesis and Characterization of PZT Doped Lanthanum, Neodymium and Yttrium Using Sol Gel Method. <i>Materials Science Forum</i> , 2016, 840, 66-70.	0.3	0
139	Fabrication of resistance type humidity sensor based on $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$ thick film. <i>Measurement: Journal of the International Measurement Confederation</i> , 2016, 94, 902-908.	5.0	23
140	Dielectric Properties of Li-Zr Modified NiO at High Frequency. <i>Materials Science Forum</i> , 2016, 846, 326-330.	0.3	0
141	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.	3.8	27
142	Modification of Rubber Particles and Ceramic Fillers on PMMA Denture Base Materials. <i>Materials Science Forum</i> , 2016, 840, 191-196.	0.3	0
143	Dielectric loaded quasi-lumped element resonator antenna circuit model for U-NII/ISM band wireless applications. <i>Annales Des Telecommunications/Annals of Telecommunications</i> , 2016, 71, 527-537.	2.5	5
144	Effect of Sintering Temperatures on Sr-Doped NiO Ceramics. <i>Materials Science Forum</i> , 2016, 840, 61-65.	0.3	1

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145	Effect of Sintering Temperature on CuO Doped Barium Zinc Tantalate (BZT) Dielectric Properties. Materials Science Forum, 2016, 840, 8-13.	0.3	0
146	Tool breakage detection from 2D workpiece profile using vision method. IOP Conference Series: Materials Science and Engineering, 2016, 114, 012132.	0.6	0
147	The Hardness Properties of Porcelain with Substitution of Quartz by Rice Husk Ash at Different Soaking Time. Materials Science Forum, 2016, 840, 39-43.	0.3	1
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