

Hasmaliza Mohamad

List of Publications by Year in descending order

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papers

636
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623734

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#	ARTICLE	IF	CITATIONS
1	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.	5.5	104
2	Some ceramic properties of clays from central Cambodia. <i>Applied Clay Science</i> , 2011, 53, 33-41.	5.2	80
3	Crystal structure of single phase and low sintering temperature of $\hat{1}\pm$ -cordierite synthesized from talc and kaolin. <i>Journal of Alloys and Compounds</i> , 2009, 482, 429-436.	5.5	53
4	Effect of MgO particle size on the microstructure, mechanical properties and wear performance of ZTA $\hat{1}\pm$ MgO ceramic cutting inserts. <i>International Journal of Refractory Metals and Hard Materials</i> , 2011, 29, 456-461.	3.8	39
5	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	32
6	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.	5.5	29
7	Effect of catalyst calcination temperature on the synthesis of MWCNT $\hat{1}\pm$ alumina hybrid compound using methane decomposition method. <i>Journal of Alloys and Compounds</i> , 2011, 509, 2784-2788.	5.5	29
8	Effect of Excess MgO Mole Ratio in a Stoichiometric Cordierite ($2\text{MgO}\hat{1}\pm 2\text{Al}_2\text{O}_3\hat{1}\pm 5\text{SiO}_2$) 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.	2.1	28
9	Apatite formation on melt-derived bioactive glass powder based on $\text{SiO}_2\text{-CaO-Na}_2\text{O-P}_2\text{O}_5$ system. <i>Ceramics International</i> , 2017, 43, 11676-11685.	4.8	26
10	Characterization on melt-derived bioactive glass powder from $\text{SiO}_2\text{-CaO-Na}_2\text{O-P}_2\text{O}_5$ system. <i>Journal of Non-Crystalline Solids</i> , 2017, 462, 23-31.	3.1	20
11	Synthesis and characterization of $x\text{MgO}\hat{1}\pm 1.5\text{Al}_2\text{O}_3\hat{1}\pm 5\text{SiO}_2$ ($x=2.6\hat{1}\pm 3.0$) system using mainly talc and kaolin through the glass route. <i>Materials Chemistry and Physics</i> , 2011, 129, 910-918.	4.0	19
12	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	19
13	Effect of impurities content from minerals on phase transformation, densification and crystallization of $\hat{1}\pm$ -cordierite glass-ceramic. <i>Journal of Alloys and Compounds</i> , 2011, 509, 7645-7651.	5.5	17
14	Melt-derived bioactive glass based on $\text{SiO}_2\text{-CaO-Na}_2\text{O-P}_2\text{O}_5$ system fabricated at lower melting temperature. <i>Journal of Alloys and Compounds</i> , 2018, 732, 603-612.	5.5	16
15	Bioactivity and Biocompatibility Properties of Sustainable Wollastonite Bioceramics from Rice Husk Ash/Rice Straw Ash: A Review. <i>Materials</i> , 2021, 14, 5193.	2.9	16
16	Effect of ZnO on the structural, physio-mechanical properties and thermal shock resistance of $\text{Li}_2\text{O}\hat{1}\pm \text{Al}_2\text{O}_3\hat{1}\pm \text{SiO}_2$ glass-ceramics. <i>Ceramics International</i> , 2022, 48, 7677-7686.	4.8	15
17	Self-Fluxing Mechanism in Geopolymerization for Low-Sintering Temperature of Ceramic. <i>Materials</i> , 2021, 14, 1325.	2.9	11
18	Effect of sintering treatment time on the sintering behaviour and thermal shock resistance of $\text{Li}_2\text{O-Al}_2\text{O}_3\text{-SiO}_2$ glass-ceramics. <i>Journal of Asian Ceramic Societies</i> , 2021, 9, 507-518.	2.3	11

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19	Effect of melting temperatures on the crystallization and densification of 2.8MgO·1.5Al ₂ O ₃ ·5SiO ₂ glass ceramic synthesized from mainly talc and kaolin. Journal of Alloys and Compounds, 2011, 509, 1874-1879.	5.5	8
20	The Effect of Sintering Conditions on the Microstructure and Electrical Properties of Pb(Zr _{0.52} Ti _{0.48})O ₃ Ceramic. Journal of Mechanical Engineering and Sciences, 2014, 6, 901-906.	0.6	8
21	A comparative study of physicommechanical and in vitro bioactivity properties of β -wollastonite/cordierite scaffolds obtained via gel casting method. Ceramics International, 2022, 48, 25495-25505.	4.8	6
22	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
23	Effects of Mullite, Maghemite, and Silver Nanoparticles Incorporated in β -Wollastonite on Tensile Strength, Magnetism, Bioactivity, and Antimicrobial Activity. Materials, 2021, 14, 4643.	2.9	5
24	Development of sol-gel bioactive glass for hard tissue regeneration. AIP Conference Proceedings, 2016, , .	0.4	4
25	Effect of cordierite addition into bioactive glass on mechanical and bioactivity properties. AIP Conference Proceedings, 2019, , .	0.4	4
26	A comparative study on physico-mechanical and bioactivity properties of β -wollastonite derived from rice husk ash and calcined limestone drying through freeze-dried and incubator technique. Journal of the Australian Ceramic Society, 2021, 57, 755.	1.9	4
27	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
28	Effects of alumina (Al ₂ O ₃) addition on mechanical property of fabricated melt-derived bioactive glass. AIP Conference Proceedings, 2016, , .	0.4	3
29	Fabrication and characterization of 45S5 bioactive glass microspheres. AIP Conference Proceedings, 2020, , .	0.4	3
30	The Effect of Fuel Types on Porous Alumina Produced via Soft Combustion Reaction for Implant Applications. Journal of Materials Engineering and Performance, 2012, 21, 418-423.	2.5	2
31	Hypoxia-mimicking bioactive glass regenerative effects on dental stem cells. AIP Conference Proceedings, 2016, , .	0.4	2
32	Effect of aging time on the crystal structure of new quaternary silicate gel-glasses. Materials Today: Proceedings, 2019, 16, 1668-1672.	1.8	2
33	Fabrication of sol-gel derived new quaternary silicate Bioglass S55P4. AIP Conference Proceedings, 2019, , .	0.4	2
34	Fabrication of bioactive glass-cordierite composite scaffold by gelcasting method. AIP Conference Proceedings, 2020, , .	0.4	2
35	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
36	Effect of isothermal treatment on the structural, microstructure, and physio-mechanical properties of Li ₂ O-Al ₂ O ₃ -SiO ₂ glass ceramic. Journal of the Australian Ceramic Society, 2022, 58, 9-20.	1.9	2

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37	Effects of milling media on the fabrication of melt-derived bioactive glass powder for biomaterial application. AIP Conference Proceedings, 2016, , .	0.4	1
38	Fabrication of Lanthanum and Strontium Doped PZT Ceramics Using Solid State Reaction Method. Materials Science Forum, 2017, 888, 62-65.	0.3	1
39	Effect of melting temperture to purity of cordierite powder. AIP Conference Proceedings, 2017, , .	0.4	1
40	The effect Ca content on thermal properties of $\text{Ca}_{1-x}\text{Cu}_3\text{Ti}_4\text{O}_{12-x}$ ceramics. AIP Conference Proceedings, 2019, , .	0.4	1
41	Study on the Properties of Al- Al_2O_3 Composite Using Synthesized Alumina from Sol Gel Technique. Jurnal Teknologi (Sciences and Engineering), 2014, 59, .	0.4	0
42	Effect of Dispersant Amount to Fabrication of 3-D Porous Cordierite through Gelcasting Method. Materials Science Forum, 2017, 888, 33-36.	0.3	0