

Hasmaliza Mohamad

List of Publications by Year in descending order

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papers

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623734

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#	ARTICLE	IF	CITATIONS
1	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
2	Effect of ZnO on the structural, physio-mechanical properties and thermal shock resistance of Li ₂ O-Al ₂ O ₃ -SiO ₂ glass-ceramics. Ceramics International, 2022, 48, 7677-7686.	4.8	15
3	A comparative study of physico-mechanical and in vitro bioactivity properties of β -wollastonite/cordierite scaffolds obtained via gel casting method. Ceramics International, 2022, 48, 25495-25505.	4.8	6
4	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
5	Self-Fluxing Mechanism in Geopolymerization for Low-Sintering Temperature of Ceramic. Materials, 2021, 14, 1325.	2.9	11
6	Effect of sintering treatment time on the sintering behaviour and thermal shock resistance of Li ₂ O-Al ₂ O ₃ -SiO ₂ glass-ceramics. Journal of Asian Ceramic Societies, 2021, 9, 507-518.	2.3	11
7	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
8	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
9	Bioactivity and Biocompatibility Properties of Sustainable Wollastonite Bioceramics from Rice Husk Ash/Rice Straw Ash: A Review. Materials, 2021, 14, 5193.	2.9	16
10	Fabrication and characterization of 45S5 bioactive glass microspheres. AIP Conference Proceedings, 2020, , .	0.4	3
11	Fabrication of bioactive glass-cordierite composite scaffold by gelcasting method. AIP Conference Proceedings, 2020, , .	0.4	2
12	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
13	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
14	Effect of aging time on the crystal structure of new quaternary silicate gel-glasses. Materials Today: Proceedings, 2019, 16, 1668-1672.	1.8	2
15	Effect of cordierite addition into bioactive glass on mechanical and bioactivity properties. AIP Conference Proceedings, 2019, , .	0.4	4
16	The effect Ca content on thermal properties of Ca _{1-x} Cu ₃ Ti ₄ O _{12-x} ceramics. AIP Conference Proceedings, 2019, , .	0.4	1
17	Fabrication of sol-gel derived new quaternary silicate Bioglass S55P4. AIP Conference Proceedings, 2019, , .	0.4	2
18	Melt-derived bioactive glass based on SiO ₂ -CaO-Na ₂ O-P ₂ O ₅ system fabricated at lower melting temperature. Journal of Alloys and Compounds, 2018, 732, 603-612.	5.5	16

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19	Characterization on melt-derived bioactive glass powder from SiO ₂ -CaO-Na ₂ O-P ₂ O ₅ system. Journal of Non-Crystalline Solids, 2017, 462, 23-31.	3.1	20
20	Effect of Dispersant Amount to Fabrication of 3-D Porous Cordierite through Gelcasting Method. Materials Science Forum, 2017, 888, 33-36.	0.3	0
21	Apatite formation on melt-derived bioactive glass powder based on SiO ₂ -CaO-Na ₂ O-P ₂ O ₅ system. Ceramics International, 2017, 43, 11676-11685.	4.8	26
22	Fabrication of Lanthanum and Strontium Doped PZT Ceramics Using Solid State Reaction Method. Materials Science Forum, 2017, 888, 62-65.	0.3	1
23	Effect of melting temperture to purity of cordierite powder. AIP Conference Proceedings, 2017, , .	0.4	1
24	Hypoxia-mimicking bioactive glass regenerative effects on dental stem cells. AIP Conference Proceedings, 2016, , .	0.4	2
25	Development of sol-gel bioactive glass for hard tissue regeneration. AIP Conference Proceedings, 2016, , .	0.4	4
26	Effects of alumina (Al ₂ O ₃) addition on mechanical property of fabricated melt-derived bioactive glass. AIP Conference Proceedings, 2016, , .	0.4	3
27	Effects of milling media on the fabrication of melt-derived bioactive glass powder for biomaterial application. AIP Conference Proceedings, 2016, , .	0.4	1
28	Study on the Properties of Al-Al ₂ O ₃ Composite Using Synthesized Alumina from Sol Gel Technique. Jurnal Teknologi (Sciences and Engineering), 2014, 59, .	0.4	0
29	Using design of mixture experiments to optimize triaxial ceramic tile compositions incorporating Cambodian clays. Applied Clay Science, 2014, 87, 97-107.	5.2	19
30	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
31	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
32	Some ceramic properties of clays from central Cambodia. Applied Clay Science, 2011, 53, 33-41.	5.2	80
33	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
34	Effect of catalyst calcination temperature on the synthesis of MWCNT-alumina hybrid compound using methane decomposition method. Journal of Alloys and Compounds, 2011, 509, 2784-2788.	5.5	29
35	Effect of impurities content from minerals on phase transformation, densification and crystallization of 1±cordierite glass-ceramic. Journal of Alloys and Compounds, 2011, 509, 7645-7651.	5.5	17
36	Effect of Excess MgO Mole Ratio in a Stoichiometric Cordierite (2MgO·2Al ₂ O ₃ ·5SiO ₂) Composition on the Phase Transformation and Crystallization Behavior of Magnesium Aluminum Silicate Phases. International Journal of Applied Ceramic Technology, 2011, 8, 637-645.	2.1	28

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37	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
38	Synthesis and characterization of $x\text{MgO} \cdot 1.5\text{Al}_2\text{O}_3 \cdot 5\text{SiO}_2$ ($x=2.6 \cdot 3.0$) system using mainly talc and kaolin through the glass route. <i>Materials Chemistry and Physics</i> , 2011, 129, 910-918.	4.0	19
39	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.	3.8	39
40	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
41	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
42	Crystal structure of single phase and low sintering temperature of λ -cordierite synthesized from talc and kaolin. <i>Journal of Alloys and Compounds</i> , 2009, 482, 429-436.	5.5	53