

Nik Akmar Rejab

List of Publications by Year in descending order

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21
papers

362
citations

840776

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21
times ranked

266
citing authors

#	ARTICLE	IF	CITATIONS
1	The effects of CeO ₂ addition on the physical, microstructural and mechanical properties of yttria stabilized zirconia toughened alumina (ZTA). International Journal of Refractory Metals and Hard Materials, 2013, 36, 162-166.	3.8	67
2	Effects of MgO addition on the phase, mechanical properties, and microstructure of zirconia-toughened alumina added with CeO ₂ (ZTA+CeO ₂) ceramic composite. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 595, 18-24.	5.6	43
3	The relationship between microstructure and fracture toughness of zirconia toughened alumina (ZTA) added with MgO and CeO ₂ . International Journal of Refractory Metals and Hard Materials, 2013, 41, 522-530.	3.8	41
4	Fabrication of tougher ZTA ceramics with sustainable high hardness through (RSM) optimisation. International Journal of Refractory Metals and Hard Materials, 2018, 74, 78-86.	3.8	33
5	High sensitivity and selectivity of CaCu ₃ Ti ₄ O ₁₂ -ZnO composites towards acetone gas at room temperature. Ceramics International, 2018, 44, 6904-6911.	4.8	30
6	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
7	Structural characteristics and dielectric properties of neodymium doped barium titanate. Journal of Materials Science: Materials in Electronics, 2011, 22, 167-173.	2.2	22
8	The effects of CeO ₂ addition on the physical and microstructural properties of ZTA-TiO ₂ ceramics composite. Journal of Alloys and Compounds, 2019, 773, 27-33.	5.5	21
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	Tougher and harder zirconia toughened alumina (ZTA) composites through in situ microstructural formation of LaMgAl ₁₁ O ₁₉ . International Journal of Refractory Metals and Hard Materials, 2019, 79, 60-68.	3.8	17
11	The capability of hibonite elongated grains to influence physical, microstructural, and mechanical properties of zirconia toughened alumina+CeO ₂ +MgO ceramics. International Journal of Refractory Metals and Hard Materials, 2016, 58, 104-109.	3.8	14
12	An investigation of dielectric resonator antenna produced from silicon (100) enhanced by strontium doped-barium zirconate films. Journal of Sol-Gel Science and Technology, 2012, 61, 411-420.	2.4	11
13	(Ba _{0.93} Nd _{0.07})TiO ₃ thin films prepared by sol-gel method as a potential dielectric resonator antenna application. Journal of Sol-Gel Science and Technology, 2011, 57, 172-177.	2.4	6
14	Role of Ce₂/sub>;Zr₃/sub>;O₁₀/sub>; Phase on the Microstructure and Fracture Toughness of ZTA Composites. Materials Science Forum, 0, 840, 57-60.	0.3	3
15	Structural and Microstructure Relationship with Fracture Toughness of CeO₂/sub>; Addition into Zirconia Toughened Alumina (ZTA) Ceramic Composites. Advanced Materials Research, 0, 620, 252-256.	0.3	2
16	Analysis on physical and microstructural properties of ZTA-SWNT ceramic cutting tool. AIP Conference Proceedings, 2019, .	0.4	2
17	Synthesis and Characterization of Ba_{0.3}/sub>;Sr_{0.7}/sub>;ZrO₃/sub>; Ceramic Thick Films Prepared by Sol-Gel Technique. Advanced Materials Research, 0, 620, 435-439.	0.3	1
18	Preliminary Determination of Minerals in Mukah Coal. Materials Science Forum, 2017, 888, 458-461.	0.3	1

#	ARTICLE	IF	CITATIONS
19	Role of pentavalent niobium oxide additions on the microstructure and structure of zirconia toughened alumina using hot isostatic press sintering. AIP Conference Proceedings, 2019, , .	0.4	1
20	Hardness and fracture toughness analysis of ZTA-SWCNT ceramic cutting inserts. AIP Conference Proceedings, 2019, , .	0.4	1
21	Structural, morphological and electrical properties of ZTA-La ₂ O ₃ composite ceramic. AIP Conference Proceedings, 2019, , .	0.4	0