

Nik Akmar Rejab

List of Publications by Year in descending order

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21
papers

362
citations

840776

11
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940533

16
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21
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21
docs citations

21
times ranked

266
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of La ₂ O ₃ addition on microstructure development and physical properties of harder ZTA-CeO ₂ composites with sustainable high fracture toughness. <i>Journal of Rare Earths</i> , 2021, 39, 844-849.	4.8	20
2	Analysis on physical and microstructural properties of ZTA-SWNT ceramic cutting tool. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	2
3	Structural, morphological and electrical properties of ZTA-La ₂ O ₃ composite ceramic. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	0
4	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
5	Hardness and fracture toughness analysis of ZTA-SWCNT ceramic cutting inserts. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	1
6	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
7	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
8	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
9	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
10	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.	3.8	26
11	Preliminary Determination of Minerals in Mukah Coal. <i>Materials Science Forum</i> , 2017, 888, 458-461.	0.3	1
12	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
13	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.	5.6	43
14	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.	3.8	41
15	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.	3.8	67
16	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.	2.4	11
17	Structural characteristics and dielectric properties of neodymium doped barium titanate. <i>Journal of Materials Science: Materials in Electronics</i> , 2011, 22, 167-173.	2.2	22
18	(Ba _{0.93} Nd _{0.07})TiO ₃ thin films prepared by sol-gel method as a potential dielectric resonator antenna application. <i>Journal of Sol-Gel Science and Technology</i> , 2011, 57, 172-177.	2.4	6

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19	Synthesis and Characterization of $\text{Ba}_{0.3}\text{Sr}_{0.7}\text{ZrO}_3$ Ceramic Thick Films Prepared by Sol-Gel Technique. <i>Advanced Materials Research</i> , 0, 620, 435-439.	0.3	1
20	Structural and Microstructure Relationship with Fracture Toughness of CeO_2 Addition into Zirconia Toughened Alumina (ZTA) Ceramic Composites. <i>Advanced Materials Research</i> , 0, 620, 252-256.	0.3	2
21	Role of $\text{Ce}_2\text{Zr}_3\text{O}_{10}$ Phase on the Microstructure and Fracture Toughness of ZTA Composites. <i>Materials Science Forum</i> , 0, 840, 57-60.	0.3	3