

ALON: A brief history of its emergence and evolution

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Synthesis and photoluminescence of Eu ²⁺ /Mg ²⁺ co-doped $\hat{3}$ -AlON phosphors. <i>Materials Letters</i> , 2009, 63, 1511-1513.	1.3	45
2	High-Pressure Synthesis, Electron Energy-Loss Spectroscopy Investigations, and Single Crystal Structure Determination of a Spinel-Type Gallium Oxynitride Ga _{2.79} → _{0.21} (O _{3.05} → _{0.76} N _{0.19}). <i>Chemistry of Materials</i> , 2009, 21, 2101-2107.	3.2	38
3	Pressureless Reaction Sintering of AlON Using Aluminum Orthophosphate as a Transient Liquid Phase. <i>Ceramic Engineering and Science Proceedings</i> , 0, , 213-223.	0.1	2
4	Transparent ceramic scintillators for gamma-ray spectroscopy and radiography. <i>SPIE Newsroom</i> , 0, , .	0.1	9
5	Elastic constants of oxynitride aluminum spinel phases. <i>Chemical Physics Letters</i> , 2010, 494, 323-325.	1.2	11
6	Controlled synthesis of carbon-based alumina nanophosphors with tunable blue-green luminescence. <i>Materials Letters</i> , 2010, 64, 836-839.	1.3	12
7	Deposition and characterization of pulsed direct current magnetron sputtered Al _{95.5} Cr _{2.5} Si ₂ (N _{1-x} O _x) thin films. <i>Thin Solid Films</i> , 2010, 519, 319-324.	0.8	4
8	Characteristic of AlON/Al ₂ O ₃ coatings on Al6061 alloy by electrolytic plasma processing in aluminate and nitride electrolytes. <i>Surface and Coatings Technology</i> , 2010, 204, 3196-3199.	2.2	15
9	Processing of Aluminum Oxynitride Through Aqueous Colloidal Forming Techniques. <i>Journal of the American Ceramic Society</i> , 2010, 93, 429-435.	1.9	28
10	Light extinction by pores in AlON ceramics: the transmission properties. <i>Journal Physics D: Applied Physics</i> , 2010, 43, 275403.	1.3	18
11	Transparent ceramic scintillators for gamma spectroscopy and radiography. <i>Proceedings of SPIE</i> , 2010, , .	0.8	65
12	New synthetic discoveries via high-pressure solid-state chemistry. <i>Chemical Communications</i> , 2011, 47, 131-140.	2.2	82
13	Preparation of Nano Al ₅₀ 6N via Shock Wave Plasmas Technique. , 2011, , .		0
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15	Nanoindentation characterization of deformation and failure of aluminum oxynitride. <i>Acta Materialia</i> , 2011, 59, 1671-1679.	3.8	47
16	The pressureless sintering and mechanical properties of AlON ceramic. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011, 528, 6259-6262.	2.6	31
17	Zirconium nitride nano-particulate reinforced Alon composites: Fabrication, mechanical properties and toughening mechanisms. <i>Journal of the European Ceramic Society</i> , 2011, 31, 883-892.	2.8	28
18	Fabrication of transparent LaAlO ₃ /t-ZrO ₂ nanoceramics through controlled amorphous crystallization. <i>Journal of the European Ceramic Society</i> , 2011, 31, 1603-1609.	2.8	24

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20	Synthesis of Submicron ALON Powder by Wet Chemical Processing. Advanced Materials Research, 0, 624, 42-46.	0.3	2
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39	Experimental Observations on Dynamic Response of Selected Transparent Armor Materials. Experimental Mechanics, 2013, 53, 3-29.	1.1	56
40	Homogeneity of Gd-based garnet transparent ceramic scintillators for gamma spectroscopy. Journal of Crystal Growth, 2013, 379, 79-83.	0.7	44
41	Electronic, elastic, thermodynamic properties and structure disorder of $\hat{\Gamma}^3$ -AlON solid solution from ab initio calculations. Journal of Alloys and Compounds, 2013, 548, 228-234.	2.8	14
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75	Radiation damage and luminescence properties of gamma aluminum oxynitride transparent ceramic. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 345104.	1.3	1

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