

Goffredo De Portu

List of Publications by Year in descending order

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29
papers

538
citations

840585

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23
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29
all docs

29
docs citations

29
times ranked

375
citing authors

#	ARTICLE	IF	CITATIONS
1	Solid particle erosion behavior of laminated ceramic structures. <i>Wear</i> , 2020, 442-443, 203147.	1.5	7
2	Can (Mg,Y)â€‹scp>PSZ</scp>â€‹Spinel composites be a valuable option for dental application?. <i>International Journal of Applied Ceramic Technology</i> , 2018, 15, 873-883.	1.1	2
3	A comparative assessment of metal-Al ₂ O ₃ joints formed using two distinct transient-liquid-phase-forming interlayers. <i>Journal of Materials Science</i> , 2015, 50, 2467-2479.	1.7	2
4	Wear of Hard Ceramics. , 2014, , 385-412.		4
5	Edge Chipping Resistance of Alumina/Zirconia Laminates. <i>Journal of the American Ceramic Society</i> , 2013, 96, 2283-2291.	1.9	12
6	Residual Stress Assessment in the Al₂O₃/Mullite Based Laminated System. <i>Key Engineering Materials</i> , 2007, 333, 243-246.	0.4	0
7	Strain Mismatch in Ceramic Multilayers: Determination by Strength Measurements. <i>Key Engineering Materials</i> , 2007, 333, 239-242.	0.4	1
8	Wear behaviour of Al ₂ O ₃ â€‹Mo and Al ₂ O ₃ â€‹Nb composites. <i>Wear</i> , 2007, 262, 1346-1352.	1.5	47
9	Effective fracture toughness in Al ₂ O ₃ â€‹Al ₂ O ₃ /ZrO ₂ laminates. <i>Journal of the European Ceramic Society</i> , 2007, 27, 1449-1453.	2.8	60
10	Ceramic dielectric mirrors for the terahertz range. <i>Applied Optics</i> , 2006, 45, 8070.	2.1	21
11	Piezo-spectroscopic characterization of alumina-aluminium titanate laminates. <i>Journal of the European Ceramic Society</i> , 2006, 26, 2699-2705.	2.8	11
12	Impact Testing on Al₂O₃ and Al₂O₃/ZrO₂ Laminated Composites. <i>Advances in Science and Technology</i> , 2006, 45, 1462-1468.	0.2	1
13	Measurement of residual stress distributions in AlO/3Y-TZP multilayered composites by fluorescence and Raman microprobe piezo-spectroscopy. <i>Acta Materialia</i> , 2005, 53, 1511-1520.	3.8	56
14	Effect of residual stresses on the fracture behaviour of notched laminated composites loaded in flexural geometry. <i>Composites Science and Technology</i> , 2005, 65, 1501-1506.	3.8	25
15	Characterization of tunneling cracks in Al ₂ O ₃ /Al ₂ O ₃ +3Y-TZP multilayered composites by Raman and fluorescence piezo-spectroscopy. <i>Journal of Materials Science</i> , 2005, 40, 1505-1508.	1.7	3
16	Strength Distributions in Ceramic Laminates. <i>Materials Science Forum</i> , 2005, 492-493, 581-586.	0.3	20
17	Contact Fatigue in Ceramic Laminated Composites. <i>Key Engineering Materials</i> , 2005, 290, 222-229.	0.4	0
18	Residual Stresses in Al₂O₃-ZrO₂ Lamina System. <i>Key Engineering Materials</i> , 2005, 290, 264-267.	0.4	1

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19	R-Curves in Al ₂ O ₃ - Al ₂ O ₃ /ZrO ₂ Laminates. Key Engineering Materials, 2005, 290, 214-221.	0.4	11
20	Effect of Superficial Residual Stresses on Abrasive Wear Resistance of Al ₂ O ₃ / Al ₂ O ₃ +3Y-TZP Multilayers. Materials Science Forum, 2005, 502, 217-224.	0.3	1
21	Indentation Testing of an Al ₂ O ₃ /Al ₂ O ₃ +3Y-TZP Layered Composite. Key Engineering Materials, 2005, 290, 316-319.	0.4	0
22	Characterization of Delamination Cracks in Al ₂ O ₃ /Al ₂ O ₃ +3Y-TZP Multilayered Composite by Raman and Fluorescence Piezo-Spectroscopy. Applied Spectroscopy, 2005, 59, 537-541.	1.2	2
23	Influence of Residual Stresses on the Wear Behavior of Alumina/Alumina-Zirconia Laminated Composites. Journal of the American Ceramic Society, 2003, 86, 1547-1553.	1.9	79
24	Edge Stresses in Alumina/Zirconia Laminates. Journal of the American Ceramic Society, 1997, 80, 1633-1638.	1.9	77
25	Simplified Equation for Evaluating the Influence of Surface Residual Stresses on the Toughness of Zirconia Ceramics. Journal of the American Ceramic Society, 1997, 80, 3242-3244.	1.9	10
26	Phase Stability of Fine-Grained (Mg,Y)-PSZ. Journal of the American Ceramic Society, 1995, 78, 1997-1999.	1.9	10
27	Preparation and properties of electroconductive Al ₂ O ₃ -based composites. Journal of the European Ceramic Society, 1992, 10, 307-315.	2.8	50
28	Erosion Damage and Strength Degradation of Zirconia-Toughened Alumina. Journal of the American Ceramic Society, 1988, 71, 770-775.	1.9	22
29	Lamination Process to Obtain Structure with Tailored Residual Stress Distribution. Key Engineering Materials, 0, 333, 27-38.	0.4	3