Pietro Galizia

List of Publications by Year
in descending order

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39	722	430874	552781
papers	citations	18 h-index	26 g-index

39	39	39	578
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Preparation of UHTCMCs by hybrid processes coupling Polymer Infiltration and Pyrolysis with Hot Pressing and vice versa. Journal of the European Ceramic Society, 2022, 42, 2118-2126.	5.7	12
2	A systematic approach for horizontal and vertical scale up of sintered Ultra-High Temperature Ceramic Matrix Composites for aerospace â€“ Advances and perspectives. Composites Part B: Engineering, 2022, 234, 109709.	12.0	43
3	Effect of PAN-based and pitch-based carbon fibres on microstructure and properties of continuous Cf/ZrB2-SiC UHTCMCs. Journal of the European Ceramic Society, 2021, 41, 3045-3050.	5.7	41
4	Properties of large scale ultra-high temperature ceramic matrix composites made by filament winding and spark plasma sintering. Composites Part B: Engineering, 2021, 216, 108839.	12.0	24
5	Significant improvement of the self-protection capability of ultra-high temperature ceramic matrix composites. Corrosion Science, 2021, 189, 109575.	6.6	18
6	Retained strength of UHTCMCs after oxidation at 2278ÂK. Composites Part A: Applied Science and Manufacturing, 2021, 149, 106523.	7.6	4
7	Insight into microstructure and flexural strength of ultra-high temperature ceramics enriched SICARBONâ„¢ composite. Materials and Design, 2021, 208, 109888.	7.0	17
8	Ultra-High Temperature Ceramic Matrix Composites. , 2021, , 340-352.		7
9	Formation of high entropy metal diborides using arc-melting and combinatorial approach to study quinary and quaternary solid solutions. Journal of the European Ceramic Society, 2020, 40, 588-593.	5.7	40
10	Is spark plasma sintering suitable for the densification of continuous carbon fibre - UHTCMCs?. Journal of the European Ceramic Society, 2020, 40, 2597-2603.	5.7	23
11	Off-axis damage tolerance of fiber-reinforced composites for aerospace systems. Journal of the European Ceramic Society, 2020, 40, 2691-2698.	5.7	18
12	Influence of Y2O3 addition on the mechanical and oxidation behaviour of carbon fibre reinforced ZrB2/SiC composites. Journal of the European Ceramic Society, 2020, 40, 5067-5075.	5.7	29
13	A Glance at Processing-Microstructure-Property Relationships for Magnetoelectric Particulate PZT-CFO Composites. Materials, 2020, 13, 2592.	2.9	6
14	Reactive melt infiltration of carbon fibre reinforced ZrB2/B composites with Zr2Cu. Composites Part A: Applied Science and Manufacturing, 2020, 137, 105973.	7.6	23
15	Development of UHTCMCs via water based ZrB2 powder slurry infiltration and polymer infiltration and pyrolysis. Journal of the European Ceramic Society, 2020, 40, 5076-5084.	5.7	26
16	Multiferroic (Nd,Fe)-doped PbTiO3 ceramics with coexistent ferroelectricity and magnetism at room temperature. Ceramics International, 2019, 45, 9390-9396.	4.8	14
17	Magnetoelectric dual-particulate composites with wasp-waisted magnetic response for broadband energy harvesting. Journal of Alloys and Compounds, 2019, 783, 237-245.	5.5	11
18	Toughening effect of non-periodic fiber distribution on crack propagation energy of UHTC composites. Journal of Alloys and Compounds, 2019, 777, 612-618.	5.5	20

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19	Composite BNT-BT0.08/CoFe2O4 with core-shell nanostructure for piezoelectric and ferromagnetic applications. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2019, 240, 7-15.	3.5	9
20	Synthesis of group <scp>IV</scp> and V metal diboride nanocrystals via borothermal reduction with sodium borohydride. Journal of the American Ceramic Society, 2018, 101, 2627-2637.	3.8	30
21	Synthesis and characterization of novel ferriteâ€“piezoelectric multiferroic coreâ€“shell-type structure. Journal of Materials Science, 2018, 53, 9650-9661.	3.7	2
22	Tough salami-inspired Cf/ZrB2 UHTCMCs produced by electrophoretic deposition. Journal of the European Ceramic Society, 2018, 38, 403-409.	5.7	39
23	Impact of residual stress on thermal damage accumulation, and Young's modulus of fiber-reinforced ultra-high temperature ceramics. Materials and Design, 2018, 160, 803-809.	7.0	28
24	Combined use of MÃ¶ssbauer spectroscopy, XPS, HRTEM, dielectric and anelastic spectroscopy for estimating incipient phase separation in lead titanate-based multiferroics. Physical Chemistry Chemical Physics, 2018, 20, 14652-14663.	2.8	13
25	On the thermal shock resistance and mechanical properties of novel unidirectional UHTCMCs for extreme environments. Scientific Reports, 2018, 8, 9148.	3.3	75
26	Magneto-dielectric characterization of TiO2-CoFe2O4 derived ceramic composites. Processing and Application of Ceramics, 2018, 12, 350-356.	0.8	1
27	Easy batch-scale production of cobalt ferrite nanopowders by two-step milling: Structural and magnetic characterization. Materials and Design, 2017, 130, 327-335.	7.0	18
28	PZT-cobalt ferrite particulate composites: Densification and lead loss controlled by quite-fast sintering. Journal of the European Ceramic Society, 2017, 37, 161-168.	5.7	13
29	Elastic aging from coexistence and transformations of ferroelectric and antiferroelectric states in PZT. Journal of Applied Physics, 2016, 120, .	2.5	5
30	Processing and characterization of screen printing Ba0.5Sr0.5Co0.8Fe0.2O3â¯Î´ inks. Bulletin of Materials Science, 2016, 39, 559-567.	1.7	1
31	Novel magnetodielectric cobalt ferriteâ€“titaniaâ€“silica ceramic composites with tunable dielectric properties. Ceramics International, 2016, 42, 16650-16654.	4.8	0
32	Multiple parallel twinning overgrowth in nanostructured dense cobalt ferrite. Materials and Design, 2016, 109, 19-26.	7.0	9
33	Microstructure development in novel titaniaâ€“cobalt ferrite ceramic materials. Ceramics International, 2016, 42, 2634-2641.	4.8	6
34	Bilayer thick structures based on CoFe2O4/TiO2 composite and niobium-doped PZT obtained by electrophoretic deposition. Journal of the European Ceramic Society, 2016, 36, 373-380.	5.7	4
35	CoFe 2 O 4 magnetic ceramic derived from gel and densified by spark plasma sintering. Journal of Alloys and Compounds, 2016, 656, 854-862.	5.5	31
36	Heating rate dependence of anatase to rutile transformation. Processing and Application of Ceramics, 2016, 10, 235-241.	0.8	19

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37	Study of the role of porosity on the functional properties of (Ba,Sr)TiO 3 ceramics. Journal of Alloys and Compounds, 2015, 643, 79-87.	5.5	42
38	Titania-cobalt ferrite ceramic composites for high frequency magnetic applications. , 2015, , .		1
39	Electrophoretic Deposition of Bilayer Based on Sacrificial Titanium Dioxide and Lead Zirconate Titanate on Bare Silicon Wafer. Key Engineering Materials, 0, 654, 132-135.	0.4	0