

Benito RomÃ¡n-Manso

List of Publications by Year in descending order

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18
papers

832
citations

687363

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888059

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18
all docs

18
docs citations

18
times ranked

1009
citing authors

#	ARTICLE	IF	CITATIONS
1	Hierarchically Porous Ceramics via Direct Writing of Binary Colloidal Gel Foams. ACS Applied Materials & Interfaces, 2021, 13, 8976-8984.	8.0	34
2	Frequency-dependent acoustic energy focusing in hexagonal ceramic micro-scaffolds. Wave Motion, 2020, 92, 102417.	2.0	7
3	Polymer-derived ceramic/graphene oxide architected composite with high electrical conductivity and enhanced thermal resistance. Journal of the European Ceramic Society, 2018, 38, 2265-2271.	5.7	31
4	Ultrasonic bandgaps in 3D-printed periodic ceramic microlattices. Ultrasonics, 2018, 82, 91-100.	3.9	27
5	Ceramic phononic crystals with MHz-range frequency band gaps. Proceedings of Meetings on Acoustics, 2017, , .	0.3	2
6	Thermal conductivity of silicon carbide composites with highly oriented graphene nanoplatelets. Journal of the European Ceramic Society, 2016, 36, 3987-3993.	5.7	64
7	Prominent local transport in silicon carbide composites containing in-situ synthesized three-dimensional graphene networks. Journal of the European Ceramic Society, 2016, 36, 3073-3081.	5.7	10
8	Electrically functional 3D-architected graphene/SiC composites. Carbon, 2016, 100, 318-328.	10.3	89
9	Toughened and strengthened silicon carbide ceramics by adding graphene-based fillers. Scripta Materialia, 2016, 113, 127-130.	5.2	84
10	Tribological performance under dry sliding conditions of graphene/silicon carbide composites. Journal of the European Ceramic Society, 2016, 36, 429-435.	5.7	102
11	Effects of Current Confinement on the Spark Plasma Sintering of Silicon Carbide Ceramics. Journal of the American Ceramic Society, 2015, 98, 2745-2753.	3.8	13
12	Enhanced electrical conductivity of silicon carbide ceramics by addition of graphene nanoplatelets. Journal of the European Ceramic Society, 2015, 35, 2723-2731.	5.7	96
13	Acoustic metamaterial behavior of three-dimensional periodic architectures assembled by robocasting. Applied Physics Letters, 2014, 105, 211904.	3.3	14
14	Contact-mechanical properties at pre-creep temperatures of fine-grained graphene/SiC composites prepared in situ by spark-plasma sintering. Journal of the European Ceramic Society, 2014, 34, 1433-1438.	5.7	25
15	Aligned carbon nanotube/silicon carbide hybrid materials with high electrical conductivity, superhydrophobicity and superoleophilicity. Carbon, 2014, 80, 120-126.	10.3	22
16	In situ processing of electrically conducting graphene/SiC nanocomposites. Journal of the European Ceramic Society, 2013, 33, 1665-1674.	5.7	105
17	Geometrically Complex Silicon Carbide Structures Fabricated by Robocasting. Journal of the American Ceramic Society, 2012, 95, 2660-2666.	3.8	103
18	Finite Elements Modeling of Mechanical and Acoustic Properties of a Ceramic Metamaterial Assembled by Robocasting. Applied Mechanics and Materials, 0, 821, 364-371.	0.2	4