Tammana Src Murthy

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6935914/publications.pdf

Version: 2024-02-01

25	1,086	933447	677142
papers	citations	10 h-index	22 g-index

25	25	25	956
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Development of an innovative external (in air) Particle Induced Gamma-ray Emission method for rapid non-destructive determination of isotopic composition of boron in â€œAs receivedâ€•boron based ceramic neutron absorbers. Analytica Chimica Acta, 2022, 1202, 339686.	5.4	4
2	Ablation behaviour of Câ€“ZrC-SiC with and without rare earth metal oxide dopants. Open Ceramics, 2022, 10, 100270.	2.0	3
3	Processing of ZrB2- and HfB2-Based Ultra-High Temperature Ceramic Materials: A Review. Materials Performance and Characterization, 2021, 10, 89-121.	0.3	1
4	Structural and Thermostructural Ceramics. , 2021, , 3-24.		3
5	Selection, processing, properties and applications of ultra-high temperature ceramic matrix composites, UHTCMCs â€“ a review. International Materials Reviews, 2020, 65, 389-444.	19.3	168
6	Boron-Based Ceramics and Composites for Nuclear and Space Applications: Synthesis and Consolidation. , 2020, , 703-738.		6
7	Mechanical and Wear Behaviour of Hot-Pressed 304 stainless Steel Matrix Composites Containing TiB2 Particles. Transactions of the Indian Institute of Metals, 2019, 72, 1153-1165.	1.5	8
8	Boron-Based Ceramics and Composites for Nuclear and Space Applications: Synthesis and Consolidation. , 2019, , 1-36.		3
9	Non-destructive quantification of total boron and its isotopic composition in boron based refractory materials by PIGE and an inter-comparison study using TIMS and titrimetry. Journal of Analytical Atomic Spectrometry, 2018, 33, 784-791.	3.0	18
10	Tribology study on TiB2+WSi2 composite against WC. AIP Conference Proceedings, 2018, , .	0.4	5
11	Competition between densification and microstructure development during spark plasma sintering of B₄Câ€“Eu₂O₃. Journal of the American Ceramic Society, 2018, 101, 2516-2526.	3.8	7
12	Impression creep behaviour of TiB₂ particles reinforced steel matrix composites. Materials Science and Technology, 2018, 34, 1965-1975.	1.6	7
13	Densification, Microstructural Evolution, Mechanical Properties and Oxidation Study of CrB2â€‰+â€‰EuB6 Composite. Journal of Materials Engineering and Performance, 2018, 27, 2457-2465.	2.5	5
14	Wear behaviour of CrB2Â+Â5Âwt.% MoSi2 composite against cemented tungsten carbide (WC-Co) under dry reciprocative sliding condition. Journal of the Australian Ceramic Society, 2017, 53, 611-625.	1.9	9
15	Development and tribological properties of SiC fibre reinforced CrB2 composite. Journal of the Australian Ceramic Society, 2017, 53, 309-317.	1.9	12
16	Scratch Testing of Hot-Pressed Monolithic Chromium Diboride (CrB2) and CrB2Â+ÂMoSi2 Composite. Journal of Materials Engineering and Performance, 2017, 26, 5043-5055.	2.5	7
17	MICROSTRUCTURE, THERMO-PHYSICAL, MECHANICAL AND WEAR PROPERTIES OF IN-SITU FORMED BORON CARBIDE - ZIRCONIUM DIBORIDE COMPOSITE. Ceramics - Silikaty, 2017, , 15-30.	0.3	7
18	Development of Refractory and Rare Earth Metal Borides & Carbides for High Temperature Applications. Materials Today: Proceedings, 2016, 3, 3104-3113.	1.8	38

#	Article	IF	Citations
19	Synthesis and phase transformation mechanism of Nb2C carbide phases. Journal of Alloys and Compounds, 2016, 671, 424-434.	5.5	30
20	Densification, characterization and oxidation studies of novel TiB2+EuB6 compounds. Journal of Alloys and Compounds, 2016, 670, 85-95.	5.5	17
21	Processing and Characterization of CrB₂-Based Novel Composites. High Temperature Materials and Processes, 2015, 34, 683-687.	1.4	14
22	Effect of WSi₂addition on densification and properties of ZrB₂. Advances in Applied Ceramics, 2014, 113, 114-119.	1.1	24
23	Synthesis, Densification and Characterization of Boron Carbide. Transactions of the Indian Ceramic Society, 2013, 72, 100-107.	1.0	30
24	Synthesis and consolidation of boron carbide: a review. International Materials Reviews, 2010, 55, 4-40.	19.3	562
25	Processing and Properties of TiB2 with MoSi2 Sinter-additive: A First Report. Journal of the American Ceramic Society, 2006, 89, 131-138.	3.8	98