

Tamma Src Murthy

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,086
citations

932766

10
h-index

676716

22
g-index

25
all docs

25
docs citations

25
times ranked

956
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 ^{10}B -boron based ceramic neutron absorbers. <i>Analytica Chimica Acta</i> , 2022, 1202, 339686.	2.6	4
2	Ablation behaviour of Cf-ZrC-SiC with and without rare earth metal oxide dopants. <i>Open Ceramics</i> , 2022, 10, 100270.	1.0	3
3	Processing of ZrB ₂ - and HfB ₂ -Based Ultra-High Temperature Ceramic Materials: A Review. <i>Materials Performance and Characterization</i> , 2021, 10, 89-121.	0.2	1
4	Structural and Thermostructural Ceramics. , 2021, , 3-24.		3
5	Selection, processing, properties and applications of ultra-high temperature ceramic matrix composites, UHTCMCs – a review. <i>International Materials Reviews</i> , 2020, 65, 389-444.	9.4	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 TiB ₂ Particles. <i>Transactions of the Indian Institute of Metals</i> , 2019, 72, 1153-1165.	0.7	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. <i>Journal of Analytical Atomic Spectrometry</i> , 2018, 33, 784-791.	1.6	18
10	Tribology study on TiB ₂ +WSi ₂ composite against WC. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	5
11	Competition between densification and microstructure development during spark plasma sintering of B ₄ C-Eu ₂ O ₃ . <i>Journal of the American Ceramic Society</i> , 2018, 101, 2516-2526.	1.9	7
12	Impression creep behaviour of TiB ₂ particles reinforced steel matrix composites. <i>Materials Science and Technology</i> , 2018, 34, 1965-1975.	0.8	7
13	Densification, Microstructural Evolution, Mechanical Properties and Oxidation Study of CrB ₂ +EuB ₆ Composite. <i>Journal of Materials Engineering and Performance</i> , 2018, 27, 2457-2465.	1.2	5
14	Wear behaviour of CrB ₂ +5wt.% MoSi ₂ composite against cemented tungsten carbide (WC-Co) under dry reciprocative sliding condition. <i>Journal of the Australian Ceramic Society</i> , 2017, 53, 611-625.	1.1	9
15	Development and tribological properties of SiC fibre reinforced CrB ₂ composite. <i>Journal of the Australian Ceramic Society</i> , 2017, 53, 309-317.	1.1	12
16	Scratch Testing of Hot-Pressed Monolithic Chromium Diboride (CrB ₂) and CrB ₂ +MoSi ₂ Composite. <i>Journal of Materials Engineering and Performance</i> , 2017, 26, 5043-5055.	1.2	7
17	MICROSTRUCTURE, THERMO-PHYSICAL, MECHANICAL AND WEAR PROPERTIES OF IN-SITU FORMED BORON CARBIDE - ZIRCONIUM DIBORIDE COMPOSITE. <i>Ceramics - Silikaty</i> , 2017, , 15-30.	0.2	7
18	Development of Refractory and Rare Earth Metal Borides & Carbides for High Temperature Applications. <i>Materials Today: Proceedings</i> , 2016, 3, 3104-3113.	0.9	38

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19	Synthesis and phase transformation mechanism of Nb ₂ C carbide phases. Journal of Alloys and Compounds, 2016, 671, 424-434.	2.8	30
20	Densification, characterization and oxidation studies of novel TiB ₂ +EuB ₆ compounds. Journal of Alloys and Compounds, 2016, 670, 85-95.	2.8	17
21	Processing and Characterization of CrB ₂ -Based Novel Composites. High Temperature Materials and Processes, 2015, 34, 683-687.	0.6	14
22	Effect of WSi ₂ addition on densification and properties of ZrB ₂ . Advances in Applied Ceramics, 2014, 113, 114-119.	0.6	24
23	Synthesis, Densification and Characterization of Boron Carbide. Transactions of the Indian Ceramic Society, 2013, 72, 100-107.	0.4	30
24	Synthesis and consolidation of boron carbide: a review. International Materials Reviews, 2010, 55, 4-40.	9.4	562
25	Processing and Properties of TiB ₂ with MoSi ₂ Sinter-additive: A First Report. Journal of the American Ceramic Society, 2006, 89, 131-138.	1.9	98