

Kazuya Shimoda

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

810
citations

567281

15
h-index

526287

27
g-index

31
all docs

31
docs citations

31
times ranked

716
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of surface structure of SiC nano-sized powder analyzed by X-ray photoelectron spectroscopy on basic powder characteristics. Applied Surface Science, 2007, 253, 9450-9456.	6.1	129
2	Fabrication and characterization of fully ceramic microencapsulated fuels. Journal of Nuclear Materials, 2012, 426, 268-276.	2.7	102
3	Influence of pyrolytic carbon interface thickness on microstructure and mechanical properties of SiC/SiC composites by NITE process. Composites Science and Technology, 2008, 68, 98-105.	7.8	80
4	On the study of thermal-sprayed Ni _{0.2} Co _{0.6} Fe _{0.2} CrSi _{0.2} AlTi _{0.2} HEA overlay coating. Surface and Coatings Technology, 2017, 316, 71-74.	4.8	79
5	Effects of neutron irradiation on mechanical properties of silicon carbide composites fabricated by nano-infiltration and transient eutectic-phase process. Journal of Nuclear Materials, 2014, 448, 478-486.	2.7	55
6	Effect of carbon nanofibers (CNFs) content on thermal and mechanical properties of CNFs/SiC nanocomposites. Composites Science and Technology, 2010, 70, 387-392.	7.8	44
7	Enhanced high-temperature performances of SiC/SiC composites by high densification and crystalline structure. Composites Science and Technology, 2011, 71, 326-332.	7.8	43
8	High mechanical performance SiC/SiC composites by NITE process with tailoring of appropriate fabrication temperature to fiber volume fraction. Composites Science and Technology, 2009, 69, 1623-1628.	7.8	39
9	Efforts on large scale production of NITE-SiC/SiC composites. Journal of Nuclear Materials, 2007, 367-370, 719-724.	2.7	32
10	A Heat-Resistant NiCo _{0.6} Fe _{0.2} Cr _{1.5} SiAlTi _{0.2} Overlay Coating for High-Temperature Applications. Journal of the Electrochemical Society, 2016, 163, C752-C758.	2.9	25
11	Effect of additive content on transient liquid phase sintering in SiC nanopowder infiltrated SiCf/SiC composites. Composites Science and Technology, 2011, 71, 609-615.	7.8	23
12	Surface properties and dispersion behaviors of SiC nanopowders. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 463, 93-100.	4.7	23
13	Neutron-irradiation creep of silicon carbide materials beyond the initial transient. Journal of Nuclear Materials, 2016, 478, 97-111.	2.7	20
14	High-Temperature Mechanical Property Improvements of SiC Ceramics by NITE Process. Materials Transactions, 2006, 47, 1204-1208.	1.2	19
15	Development of the tailored SiC/SiC composites by the combined fabrication process of ICVI and NITE methods. Journal of Nuclear Materials, 2009, 384, 103-108.	2.7	17
16	Effects of fiber volume fraction on the densification and mechanical properties of unidirectional SiCf/SiC-matrix composites. Journal of the European Ceramic Society, 2021, 41, 1163-1170.	5.7	15
17	Development of non-brittle fracture in SiCf/SiC composites without a fiber/matrix interface due to the porous structure of the matrix. Composites Part A: Applied Science and Manufacturing, 2018, 115, 397-404.	7.6	14
18	Diffusion Bonding Technology of Tungsten and SiC/SiC Composites for Nuclear Applications. IOP Conference Series: Materials Science and Engineering, 2011, 18, 162015.	0.6	11

#	ARTICLE	IF	CITATIONS
19	Thermal stress relaxation creep and microstructural evolutions of nanostructured SiC ceramics by liquid phase sintering. Journal of the European Ceramic Society, 2010, 30, 2643-2652.	5.7	10
20	Irradiation creep of nano-powder sintered silicon carbide at low neutron fluences. Journal of Nuclear Materials, 2014, 455, 73-80.	2.7	10
21	Silicon Carbide Base Ceramic Fiber Synthesis from Polycarbosilane-Polymethylsilane Blend Polymers by Melt Spinning. Journal of the Ceramic Society of Japan, 2006, 114, 511-516.	1.3	4
22	Longitudinal dilation behavior of ion-irradiated Tyranno [®] , ϕ -SA SiC fibers at elevated-temperatures. Journal of Nuclear Materials, 2012, 429, 298-304.	2.7	4
23	Compressive strength degradation of SiC fibers exposed to high temperatures due to impurity-induced internal oxidation. Journal of the European Ceramic Society, 2022, , .	5.7	4
24	A Japanese Patient with Gaucher Disease Treated with the Oral Drug Eliglustat as Substrate Reducing Therapy. Case Reports in Gastroenterology, 2022, 15, 838-845.	0.6	3
25	Densification Mechanism and Microstructural Evolution of SiC Matrix in Nite Process. Ceramic Engineering and Science Proceedings, 0, , 19-27.	0.1	2
26	Fabrication of SiC/SiC composites by means of in situ crystallization of SiC fibers. Journal of Nuclear Materials, 2011, 417, 359-362.	2.7	1
27	Thermo-physical, -mechanical, and -electrical behaviors of ion-irradiated Tyranno-SA SiC fibers at high temperatures (1473K). Journal of Nuclear Materials, 2013, 442, S376-S379.	2.7	1
28	JAK2-negative acute monocytic leukemia with TET2 mutation in essential thrombocythemia with JAK2 mutation with literature review. Leukemia Research Reports, 2020, 13, 100194.	0.4	0
29	Development of Novel Fabrication Process for Highly-Dense & Porous SiC/SiC Composites with Excellnt Mechanical Properties. , 0, , 207-212.		0