Zohre Ahmadi

List of Publications by Year
in descending order

#	Article	IF	Citations
1	An interfacial survey on microstructure of ZrB2-based ceramics codoped with carbon fibers and SiC whiskers. Materials Chemistry and Physics, 2022, 275, 125322.	2.0	5
2	Fabrication of (Zr,Ti)B2â€“ZrNâ€“BN composites through reactive spark plasma sintering of ZrB2 and TiN. Micron, 2022, 154, 103203.	1.1	5
3	On the reactive spark plasma sinterability of ZrB2â€“SiCâ€“TiN composite. Journal of Alloys and Compounds, 2022, 909, 164611.	2.8	4
4	Nanocharacterization of spark plasma sintered TiB2â€“SiCâ€“graphene composites. Materials Characterization, 2022, 189, 111986.	1.9	5
5	Microstructural evolution of TiB2â€“SiC composites empowered with Si3N4, BN or TiN: A comparative study. Ceramics International, 2021, 47, 1002-1011.	2.3	10
6	A novel ZrB2-based composite manufactured with Ti3AlC2 additive. Ceramics International, 2021, 47, 817-827.	2.3	8
7	Post hot rolling of spark plasma sintered Tiâ€“Moâ€“B4C composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 799, 140214.	2.6	10
8	ZrB2SiCw composites with different carbonaceous additives. International Journal of Refractory Metals and Hard Materials, 2021, 95, 105457.	1.7	5
9	Synergistic influence of SiC and C₃N₄ reinforcements on the characteristics of ZrB₂-based composites. Journal of Asian Ceramic Societies, 2021, 9, 53-62.	1.0	6
10	Effects of discrete and simultaneous addition of SiC and Si3N4 on microstructural development of TiB2 ceramics. Ceramics International, 2021, 47, 3520-3528.	2.3	9
11	Spark plasma sinterability and thermal diffusivity of TiN ceramics with graphene additive. Ceramics International, 2021, 47, 10057-10062.	2.3	9
12	Toughening of ZrB2-based composites with in-situ synthesized ZrC from ZrO2 and graphite precursors. Journal of Science: Advanced Materials and Devices, 2021, 6, 42-48.	1.5	8
13	Spark plasma sintering of TiB2-based ceramics with Ti3AlC2. Ceramics International, 2021, 47, 11929-11934.	2.3	16
14	Combined role of SiC whiskers and graphene nano-platelets on the microstructure of spark plasma sintered ZrB2 ceramics. Ceramics International, 2021, 47, 12459-12466.	2.3	19
15	Solid solution formation during spark plasma sintering of ZrB2â€“TiCâ€“graphite composites. Ceramics International, 2020, 46, 2923-2930.	2.3	37
16	Combined role of SiC particles and SiC whiskers on the characteristics of spark plasma sintered ZrB2 ceramics. Ceramics International, 2020, 46, 5773-5778.	2.3	52
17	Nano-diamond reinforced ZrB2â€“SiC composites. Ceramics International, 2020, 46, 10172-10179.	2.3	62
18	Phase transformation in spark plasma sintered ZrB2â€“Vâ€“C composites at different temperatures. Ceramics International, 2020, 46, 9415-9420.	2.3	11

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19	Role of co-addition of BN and SiC on microstructure of TiB2-based composites densified by SPS method. Ceramics International, 2020, 46, 25341-25350.	2.3	32
20	Electron microscopy characterization of porous ZrB2â€“SiCâ€“AlN composites prepared by pressureless sintering. Ceramics International, 2020, 46, 25415-25423.	2.3	30
21	TEM characterization of hot-pressed ZrB2-SiC-AlN composites. Results in Physics, 2020, 19, 103348.	2.0	12
22	Electron microscopy study of ZrB2â€“SiCâ€“AlN composites: Hot-pressing vs. pressureless sintering. Ceramics International, 2020, 46, 29334-29338.	2.3	22
23	Role of graphene nano-platelets on thermal conductivity and microstructure of TiB2â€“SiC ceramics. Ceramics International, 2020, 46, 21775-21783.	2.3	50
24	Enhanced densification of spark plasma sintered TiB2 ceramics with low content AlN additive. Ceramics International, 2020, 46, 22127-22133.	2.3	33
25	Densification behavior and microstructure development in TiB2 ceramics doped with h-BN. Ceramics International, 2020, 46, 18970-18975.	2.3	56
26	Characterization of ZrB2â€“TiC composites reinforced with short carbon fibers. Ceramics International, 2020, 46, 23155-23164.	2.3	38
27	Enhanced fracture toughness of ZrB2â€“SiCw ceramics with graphene nano-platelets. Ceramics International, 2020, 46, 24906-24915.	2.3	43
28	Strengthening of TiC ceramics sintered by spark plasma via nano-graphite addition. Ceramics International, 2020, 46, 12400-12408.	2.3	66
29	Effects of graphite nano-flakes on thermal and microstructural properties of TiB2â€“SiC composites. Ceramics International, 2020, 46, 11622-11630.	2.3	71
30	Characterization of triplet Tiâ€“TiBâ€“TiC composites: Comparison of in-situ formation and ex-situ addition of TiC. Ceramics International, 2020, 46, 11726-11734.	2.3	67
31	Synthesis of novel ternary g-C3N4/SiC/C-Dots photocatalysts and their visible-light-induced activities in removal of various contaminants. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 392, 112431.	2.0	43
32	Role of nano-WC addition on microstructural, mechanical and thermal characteristics of TiCâ€“SiCw composites. International Journal of Refractory Metals and Hard Materials, 2020, 90, 105248.	1.7	59
33	Magnetic CoFe2O4 nanoparticles doped with metal ions: A review. Ceramics International, 2020, 46, 18391-18412.	2.3	155
34	Influence of SiAlON addition on the microstructure development of hot-pressed ZrB2â€“SiC composites. Ceramics International, 2020, 46, 19209-19216.	2.3	58
35	Influence of vanadium content on the characteristics of spark plasma sintered ZrB2â€“SiCâ€“V composites. Journal of Alloys and Compounds, 2019, 805, 725-732.	2.8	81
36	A novel ZrB2â€“C3N4 composite with improved mechanical properties. Ceramics International, 2019, 45, 21512-21519.	2.3	66

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37	Spark plasma sintering of TiCâ€“SiCw ceramics. Ceramics International, 2019, 45, 19808-19821.	2.3	88
38	Thermal diffusivity and microstructure of spark plasma sintered TiB2SiC Ti composite. Ceramics International, 2019, 45, 8333-8344.	2.3	82
39	Spark plasma sintering of ZrB2-based composites co-reinforced with SiC whiskers and pulverized carbon fibers. International Journal of Refractory Metals and Hard Materials, 2019, 83, 104989.	1.7	65
40	Microstructural, thermal and mechanical characterization of TiB2â€“SiC composites doped with short carbon fibers. International Journal of Refractory Metals and Hard Materials, 2019, 82, 129-135.	1.7	97
41	Reactive spark plasma sintering of TiB2â€“SiCâ€“TiN novel composite. International Journal of Refractory Metals and Hard Materials, 2019, 81, 119-126.	1.7	94
42	Spark plasma sintering of Al-doped ZrB2â€“SiC composite. Ceramics International, 2019, 45, 4262-4267.	2.3	97
43	Microstructure and thermomechanical characteristics of spark plasma sintered TiC ceramics doped with nano-sized WC. Ceramics International, 2019, 45, 2153-2160.	2.3	107
44	Influence of TiN dopant on microstructure of TiB2 ceramic sintered by spark plasma. Ceramics International, 2019, 45, 5306-5311.	2.3	51
45	Microstructural investigation of spark plasma sintered TiB2 ceramics with Si3N4 addition. Ceramics International, 2018, 44, 13367-13372.	2.3	86
46	Effects of carbon additives on the properties of ZrB2â€“based composites: A review. Ceramics International, 2018, 44, 7334-7348.	2.3	177
47	Effects of nano-graphite content on the characteristics of spark plasma sintered ZrB2â€“SiC composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 716, 99-106.	2.6	99
48	Densification improvement of spark plasma sintered TiB2-based composites with micron-, submicron- and nano-sized SiC particulates. Ceramics International, 2018, 44, 11431-11437.	2.3	100
49	Synergistic effects of graphite nano-flakes and submicron SiC particles on the characteristics of spark plasma sintered ZrB2 nanocomposites. International Journal of Refractory Metals and Hard Materials, 2018, 75, 10-17.	1.7	82
50	Phase evolution during spark plasma sintering of novel Si3N4-doped TiB2â€“SiC composite. Materials Characterization, 2018, 145, 225-232.	1.9	83
51	Effects of spark plasma sintering temperature on densification, hardness and thermal conductivity of titanium carbide. Ceramics International, 2018, 44, 14541-14546.	2.3	122
52	Reinforcing effects of SiC whiskers and carbon nanoparticles in spark plasma sintered ZrB2 matrix composites. Ceramics International, 2018, 44, 19932-19938.	2.3	85
53	A novel ZrB2â€“VB2â€“ZrC composite fabricated by reactive spark plasma sintering. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 731, 131-139.	2.6	82
54	Optimization of effective parameters on thermal shock resistance of ZrB 2 -SiC-based composites prepared by SPS: Using Taguchi design. Materials Chemistry and Physics, 2017, 196, 333-340.	2.0	73

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55	Sintering behavior of ZrB2â€“SiC composites doped with Si3N4: A fractographical approach. Ceramics International, 2017, 43, 9699-9708.	2.3	85
56	Synthesis and photocatalytic performance of hollow sphere particles of SiO2-TiO2 composite of mesocellular foam walls. Ceramics International, 2017, 43, 11786-11791.	2.3	12
57	Densification, microstructure and mechanical properties of hot pressed ZrB 2 â€“SiC ceramic doped with nano-sized carbon black. Ceramics International, 2017, 43, 8411-8417.	2.3	96
58	Contribution of SiC particle size and spark plasma sintering conditions on grain growth and hardness of TiB2 composites. Ceramics International, 2017, 43, 13924-13931.	2.3	96
59	Fractographical characterization of hot pressed and pressureless sintered SiAlON-doped ZrB2â€“SiC composites. Materials Characterization, 2015, 102, 137-145.	1.9	74
60	Fractographical characterization of hot pressed and pressureless sintered AlN-doped ZrB2â€“SiC composites. Materials Characterization, 2015, 110, 77-85.	1.9	76