

Zohre Ahmadi

List of Publications by Year in descending order

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papers

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94433
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docs citations

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1037
citing authors

#	ARTICLE	IF	CITATIONS
1	An interfacial survey on microstructure of ZrB ₂ -based ceramics codoped with carbon fibers and SiC whiskers. Materials Chemistry and Physics, 2022, 275, 125322.	4.0	5
2	Fabrication of (Zr,Ti)B ₂ -ZrN-BN composites through reactive spark plasma sintering of ZrB ₂ and TiN. Micron, 2022, 154, 103203.	2.2	5
3	On the reactive spark plasma sinterability of ZrB ₂ -SiC-TiN composite. Journal of Alloys and Compounds, 2022, 909, 164611.	5.5	4
4	Nanocharacterization of spark plasma sintered TiB ₂ -SiC-graphene composites. Materials Characterization, 2022, 189, 111986.	4.4	5
5	Microstructural evolution of TiB ₂ -SiC composites empowered with Si ₃ N ₄ , BN or TiN: A comparative study. Ceramics International, 2021, 47, 1002-1011.	4.8	10
6	A novel ZrB ₂ -based composite manufactured with Ti ₃ AlC ₂ additive. Ceramics International, 2021, 47, 817-827.	4.8	8
7	Post hot rolling of spark plasma sintered Ti-Mo-B ₄ C composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 799, 140214.	5.6	10
8	ZrB ₂ SiCw composites with different carbonaceous additives. International Journal of Refractory Metals and Hard Materials, 2021, 95, 105457.	3.8	5
9	Synergistic influence of SiC and C ₃ N ₄ reinforcements on the characteristics of ZrB ₂ -based composites. Journal of Asian Ceramic Societies, 2021, 9, 53-62.	2.3	6
10	Effects of discrete and simultaneous addition of SiC and Si ₃ N ₄ on microstructural development of TiB ₂ ceramics. Ceramics International, 2021, 47, 3520-3528.	4.8	9
11	Spark plasma sinterability and thermal diffusivity of TiN ceramics with graphene additive. Ceramics International, 2021, 47, 10057-10062.	4.8	9
12	Toughening of ZrB ₂ -based composites with in-situ synthesized ZrC from ZrO ₂ and graphite precursors. Journal of Science: Advanced Materials and Devices, 2021, 6, 42-48.	3.1	8
13	Spark plasma sintering of TiB ₂ -based ceramics with Ti ₃ AlC ₂ . Ceramics International, 2021, 47, 11929-11934.	4.8	16
14	Combined role of SiC whiskers and graphene nano-platelets on the microstructure of spark plasma sintered ZrB ₂ ceramics. Ceramics International, 2021, 47, 12459-12466.	4.8	19
15	Solid solution formation during spark plasma sintering of ZrB ₂ -TiC-graphite composites. Ceramics International, 2020, 46, 2923-2930.	4.8	37
16	Combined role of SiC particles and SiC whiskers on the characteristics of spark plasma sintered ZrB ₂ ceramics. Ceramics International, 2020, 46, 5773-5778.	4.8	52
17	Nano-diamond reinforced ZrB ₂ -SiC composites. Ceramics International, 2020, 46, 10172-10179.	4.8	62
18	Phase transformation in spark plasma sintered ZrB ₂ -V-C composites at different temperatures. Ceramics International, 2020, 46, 9415-9420.	4.8	11

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19	Role of co-addition of BN and SiC on microstructure of TiB ₂ -based composites densified by SPS method. <i>Ceramics International</i> , 2020, 46, 25341-25350.	4.8	32
20	Electron microscopy characterization of porous ZrB ₂ -SiC-AlN composites prepared by pressureless sintering. <i>Ceramics International</i> , 2020, 46, 25415-25423.	4.8	30
21	TEM characterization of hot-pressed ZrB ₂ -SiC-AlN composites. <i>Results in Physics</i> , 2020, 19, 103348.	4.1	12
22	Electron microscopy study of ZrB ₂ -SiC-AlN composites: Hot-pressing vs. pressureless sintering. <i>Ceramics International</i> , 2020, 46, 29334-29338.	4.8	22
23	Role of graphene nano-platelets on thermal conductivity and microstructure of TiB ₂ -SiC ceramics. <i>Ceramics International</i> , 2020, 46, 21775-21783.	4.8	50
24	Enhanced densification of spark plasma sintered TiB ₂ ceramics with low content AlN additive. <i>Ceramics International</i> , 2020, 46, 22127-22133.	4.8	33
25	Densification behavior and microstructure development in TiB ₂ ceramics doped with h-BN. <i>Ceramics International</i> , 2020, 46, 18970-18975.	4.8	56
26	Characterization of ZrB ₂ -TiC composites reinforced with short carbon fibers. <i>Ceramics International</i> , 2020, 46, 23155-23164.	4.8	38
27	Enhanced fracture toughness of ZrB ₂ -SiCw ceramics with graphene nano-platelets. <i>Ceramics International</i> , 2020, 46, 24906-24915.	4.8	43
28	Strengthening of TiC ceramics sintered by spark plasma via nano-graphite addition. <i>Ceramics International</i> , 2020, 46, 12400-12408.	4.8	66
29	Effects of graphite nano-flakes on thermal and microstructural properties of TiB ₂ -SiC composites. <i>Ceramics International</i> , 2020, 46, 11622-11630.	4.8	71
30	Characterization of triplet Ti-Al-TiB ₂ -TiC composites: Comparison of in-situ formation and ex-situ addition of TiC. <i>Ceramics International</i> , 2020, 46, 11726-11734.	4.8	67
31	Synthesis of novel ternary g-C ₃ N ₄ /SiC/C-Dots photocatalysts and their visible-light-induced activities in removal of various contaminants. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 392, 112431.	3.9	43
32	Role of nano-WC addition on microstructural, mechanical and thermal characteristics of TiC-SiCw composites. <i>International Journal of Refractory Metals and Hard Materials</i> , 2020, 90, 105248.	3.8	59
33	Magnetic CoFe ₂ O ₄ nanoparticles doped with metal ions: A review. <i>Ceramics International</i> , 2020, 46, 18391-18412.	4.8	155
34	Influence of SiAlON addition on the microstructure development of hot-pressed ZrB ₂ -SiC composites. <i>Ceramics International</i> , 2020, 46, 19209-19216.	4.8	58
35	Influence of vanadium content on the characteristics of spark plasma sintered ZrB ₂ -SiC-V composites. <i>Journal of Alloys and Compounds</i> , 2019, 805, 725-732.	5.5	81
36	A novel ZrB ₂ -C ₃ N ₄ composite with improved mechanical properties. <i>Ceramics International</i> , 2019, 45, 21512-21519.	4.8	66

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37	Spark plasma sintering of TiCâ€“SiCw ceramics. Ceramics International, 2019, 45, 19808-19821.	4.8	88
38	Thermal diffusivity and microstructure of spark plasma sintered TiB ₂ SiC Ti composite. Ceramics International, 2019, 45, 8333-8344.	4.8	82
39	Spark plasma sintering of ZrB ₂ -based composites co-reinforced with SiC whiskers and pulverized carbon fibers. International Journal of Refractory Metals and Hard Materials, 2019, 83, 104989.	3.8	65
40	Microstructural, thermal and mechanical characterization of TiB ₂ â€“SiC composites doped with short carbon fibers. International Journal of Refractory Metals and Hard Materials, 2019, 82, 129-135.	3.8	97
41	Reactive spark plasma sintering of TiB ₂ â€“SiCâ€“TiN novel composite. International Journal of Refractory Metals and Hard Materials, 2019, 81, 119-126.	3.8	94
42	Spark plasma sintering of Al-doped ZrB ₂ â€“SiC composite. Ceramics International, 2019, 45, 4262-4267.	4.8	97
43	Microstructure and thermomechanical characteristics of spark plasma sintered TiC ceramics doped with nano-sized WC. Ceramics International, 2019, 45, 2153-2160.	4.8	107
44	Influence of TiN dopant on microstructure of TiB ₂ ceramic sintered by spark plasma. Ceramics International, 2019, 45, 5306-5311.	4.8	51
45	Microstructural investigation of spark plasma sintered TiB ₂ ceramics with Si ₃ N ₄ addition. Ceramics International, 2018, 44, 13367-13372.	4.8	86
46	Effects of carbon additives on the properties of ZrB ₂ â€“based composites: A review. Ceramics International, 2018, 44, 7334-7348.	4.8	177
47	Effects of nano-graphite content on the characteristics of spark plasma sintered ZrB ₂ â€“SiC composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 716, 99-106.	5.6	99
48	Densification improvement of spark plasma sintered TiB ₂ -based composites with micron-, submicron- and nano-sized SiC particulates. Ceramics International, 2018, 44, 11431-11437.	4.8	100
49	Synergistic effects of graphite nano-flakes and submicron SiC particles on the characteristics of spark plasma sintered ZrB ₂ nanocomposites. International Journal of Refractory Metals and Hard Materials, 2018, 75, 10-17.	3.8	82
50	Phase evolution during spark plasma sintering of novel Si ₃ N ₄ -doped TiB ₂ â€“SiC composite. Materials Characterization, 2018, 145, 225-232.	4.4	83
51	Effects of spark plasma sintering temperature on densification, hardness and thermal conductivity of titanium carbide. Ceramics International, 2018, 44, 14541-14546.	4.8	122
52	Reinforcing effects of SiC whiskers and carbon nanoparticles in spark plasma sintered ZrB ₂ matrix composites. Ceramics International, 2018, 44, 19932-19938.	4.8	85
53	A novel ZrB ₂ â€“VB ₂ â€“ZrC composite fabricated by reactive spark plasma sintering. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 731, 131-139.	5.6	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.	4.0	73

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55	Sintering behavior of ZrB ₂ -SiC composites doped with Si ₃ N ₄ : A fractographical approach. Ceramics International, 2017, 43, 9699-9708.	4.8	85
56	Synthesis and photocatalytic performance of hollow sphere particles of SiO ₂ -TiO ₂ composite of mesocellular foam walls. Ceramics International, 2017, 43, 11786-11791.	4.8	12
57	Densification, microstructure and mechanical properties of hot pressed ZrB ₂ -SiC ceramic doped with nano-sized carbon black. Ceramics International, 2017, 43, 8411-8417.	4.8	96
58	Contribution of SiC particle size and spark plasma sintering conditions on grain growth and hardness of TiB ₂ composites. Ceramics International, 2017, 43, 13924-13931.	4.8	96
59	Fractographical characterization of hot pressed and pressureless sintered SiAlON-doped ZrB ₂ -SiC composites. Materials Characterization, 2015, 102, 137-145.	4.4	74
60	Fractographical characterization of hot pressed and pressureless sintered AlN-doped ZrB ₂ -SiC composites. Materials Characterization, 2015, 110, 77-85.	4.4	76