

Zohre Ahmadi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9586885/publications.pdf>

Version: 2024-02-01

60
papers

3,372
citations

94269

37
h-index

138251

58
g-index

61
all docs

61
docs citations

61
times ranked

1037
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of carbon additives on the properties of ZrB ₂ -based composites: A review. <i>Ceramics International</i> , 2018, 44, 7334-7348.	2.3	177
2	Magnetic CoFe ₂ O ₄ nanoparticles doped with metal ions: A review. <i>Ceramics International</i> , 2020, 46, 18391-18412.	2.3	155
3	Effects of spark plasma sintering temperature on densification, hardness and thermal conductivity of titanium carbide. <i>Ceramics International</i> , 2018, 44, 14541-14546.	2.3	122
4	Microstructure and thermomechanical characteristics of spark plasma sintered TiC ceramics doped with nano-sized WC. <i>Ceramics International</i> , 2019, 45, 2153-2160.	2.3	107
5	Densification improvement of spark plasma sintered TiB ₂ -based composites with micron-, submicron- and nano-sized SiC particulates. <i>Ceramics International</i> , 2018, 44, 11431-11437.	2.3	100
6	Effects of nano-graphite content on the characteristics of spark plasma sintered ZrB ₂ -SiC composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 716, 99-106.	2.6	99
7	Microstructural, thermal and mechanical characterization of TiB ₂ -SiC composites doped with short carbon fibers. <i>International Journal of Refractory Metals and Hard Materials</i> , 2019, 82, 129-135.	1.7	97
8	Spark plasma sintering of Al-doped ZrB ₂ -SiC composite. <i>Ceramics International</i> , 2019, 45, 4262-4267.	2.3	97
9	Densification, microstructure and mechanical properties of hot pressed ZrB ₂ -SiC ceramic doped with nano-sized carbon black. <i>Ceramics International</i> , 2017, 43, 8411-8417.	2.3	96
10	Contribution of SiC particle size and spark plasma sintering conditions on grain growth and hardness of TiB ₂ composites. <i>Ceramics International</i> , 2017, 43, 13924-13931.	2.3	96
11	Reactive spark plasma sintering of TiB ₂ -SiC-TiN novel composite. <i>International Journal of Refractory Metals and Hard Materials</i> , 2019, 81, 119-126.	1.7	94
12	Spark plasma sintering of TiC-SiCw ceramics. <i>Ceramics International</i> , 2019, 45, 19808-19821.	2.3	88
13	Microstructural investigation of spark plasma sintered TiB ₂ ceramics with Si ₃ N ₄ addition. <i>Ceramics International</i> , 2018, 44, 13367-13372.	2.3	86
14	Sintering behavior of ZrB ₂ -SiC composites doped with Si ₃ N ₄ : A fractographical approach. <i>Ceramics International</i> , 2017, 43, 9699-9708.	2.3	85
15	Reinforcing effects of SiC whiskers and carbon nanoparticles in spark plasma sintered ZrB ₂ matrix composites. <i>Ceramics International</i> , 2018, 44, 19932-19938.	2.3	85
16	Phase evolution during spark plasma sintering of novel Si ₃ N ₄ -doped TiB ₂ -SiC composite. <i>Materials Characterization</i> , 2018, 145, 225-232.	1.9	83
17	Synergistic effects of graphite nano-flakes and submicron SiC particles on the characteristics of spark plasma sintered ZrB ₂ nanocomposites. <i>International Journal of Refractory Metals and Hard Materials</i> , 2018, 75, 10-17.	1.7	82
18	A novel ZrB ₂ -VB ₂ -ZrC composite fabricated by reactive spark plasma sintering. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 731, 131-139.	2.6	82

#	ARTICLE	IF	CITATIONS
19	Thermal diffusivity and microstructure of spark plasma sintered TiB ₂ SiC Ti composite. <i>Ceramics International</i> , 2019, 45, 8333-8344.	2.3	82
20	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.	2.8	81
21	Fractographical characterization of hot pressed and pressureless sintered AlN-doped ZrB ₂ -SiC composites. <i>Materials Characterization</i> , 2015, 110, 77-85.	1.9	76
22	Fractographical characterization of hot pressed and pressureless sintered SiAlON-doped ZrB ₂ -SiC composites. <i>Materials Characterization</i> , 2015, 102, 137-145.	1.9	74
23	Optimization of effective parameters on thermal shock resistance of ZrB ₂ -SiC-based composites prepared by SPS: Using Taguchi design. <i>Materials Chemistry and Physics</i> , 2017, 196, 333-340.	2.0	73
24	Effects of graphite nano-flakes on thermal and microstructural properties of TiB ₂ -SiC composites. <i>Ceramics International</i> , 2020, 46, 11622-11630.	2.3	71
25	Characterization of triplet Ti-Al-TiB composites: Comparison of in-situ formation and ex-situ addition of TiC. <i>Ceramics International</i> , 2020, 46, 11726-11734.	2.3	67
26	A novel ZrB ₂ -C ₃ N ₄ composite with improved mechanical properties. <i>Ceramics International</i> , 2019, 45, 21512-21519.	2.3	66
27	Strengthening of TiC ceramics sintered by spark plasma via nano-graphite addition. <i>Ceramics International</i> , 2020, 46, 12400-12408.	2.3	66
28	Spark plasma sintering of ZrB ₂ -based composites co-reinforced with SiC whiskers and pulverized carbon fibers. <i>International Journal of Refractory Metals and Hard Materials</i> , 2019, 83, 104989.	1.7	65
29	Nano-diamond reinforced ZrB ₂ -SiC composites. <i>Ceramics International</i> , 2020, 46, 10172-10179.	2.3	62
30	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.	1.7	59
31	Influence of SiAlON addition on the microstructure development of hot-pressed ZrB ₂ -SiC composites. <i>Ceramics International</i> , 2020, 46, 19209-19216.	2.3	58
32	Densification behavior and microstructure development in TiB ₂ ceramics doped with h-BN. <i>Ceramics International</i> , 2020, 46, 18970-18975.	2.3	56
33	Combined role of SiC particles and SiC whiskers on the characteristics of spark plasma sintered ZrB ₂ ceramics. <i>Ceramics International</i> , 2020, 46, 5773-5778.	2.3	52
34	Influence of TiN dopant on microstructure of TiB ₂ ceramic sintered by spark plasma. <i>Ceramics International</i> , 2019, 45, 5306-5311.	2.3	51
35	Role of graphene nano-platelets on thermal conductivity and microstructure of TiB ₂ -SiC ceramics. <i>Ceramics International</i> , 2020, 46, 21775-21783.	2.3	50
36	Enhanced fracture toughness of ZrB ₂ -SiCw ceramics with graphene nano-platelets. <i>Ceramics International</i> , 2020, 46, 24906-24915.	2.3	43

#	ARTICLE	IF	CITATIONS
37	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.	2.0	43
38	Characterization of ZrB ₂ -TiC composites reinforced with short carbon fibers. <i>Ceramics International</i> , 2020, 46, 23155-23164.	2.3	38
39	Solid solution formation during spark plasma sintering of ZrB ₂ -TiC-graphite composites. <i>Ceramics International</i> , 2020, 46, 2923-2930.	2.3	37
40	Enhanced densification of spark plasma sintered TiB ₂ ceramics with low content AlN additive. <i>Ceramics International</i> , 2020, 46, 22127-22133.	2.3	33
41	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.	2.3	32
42	Electron microscopy characterization of porous ZrB ₂ -SiC-AlN composites prepared by pressureless sintering. <i>Ceramics International</i> , 2020, 46, 25415-25423.	2.3	30
43	Electron microscopy study of ZrB ₂ -SiC-AlN composites: Hot-pressing vs. pressureless sintering. <i>Ceramics International</i> , 2020, 46, 29334-29338.	2.3	22
44	Combined role of SiC whiskers and graphene nano-platelets on the microstructure of spark plasma sintered ZrB ₂ ceramics. <i>Ceramics International</i> , 2021, 47, 12459-12466.	2.3	19
45	Spark plasma sintering of TiB ₂ -based ceramics with Ti ₃ AlC ₂ . <i>Ceramics International</i> , 2021, 47, 11929-11934.	2.3	16
46	Synthesis and photocatalytic performance of hollow sphere particles of SiO ₂ -TiO ₂ composite of mesocellular foam walls. <i>Ceramics International</i> , 2017, 43, 11786-11791.	2.3	12
47	TEM characterization of hot-pressed ZrB ₂ -SiC-AlN composites. <i>Results in Physics</i> , 2020, 19, 103348.	2.0	12
48	Phase transformation in spark plasma sintered ZrB ₂ -V ₄ C composites at different temperatures. <i>Ceramics International</i> , 2020, 46, 9415-9420.	2.3	11
49	Microstructural evolution of TiB ₂ -SiC composites empowered with Si ₃ N ₄ , BN or TiN: A comparative study. <i>Ceramics International</i> , 2021, 47, 1002-1011.	2.3	10
50	Post hot rolling of spark plasma sintered Ti-Mo-B ₄ C composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 799, 140214.	2.6	10
51	Effects of discrete and simultaneous addition of SiC and Si ₃ N ₄ on microstructural development of TiB ₂ ceramics. <i>Ceramics International</i> , 2021, 47, 3520-3528.	2.3	9
52	Spark plasma sinterability and thermal diffusivity of TiN ceramics with graphene additive. <i>Ceramics International</i> , 2021, 47, 10057-10062.	2.3	9
53	A novel ZrB ₂ -based composite manufactured with Ti ₃ AlC ₂ additive. <i>Ceramics International</i> , 2021, 47, 817-827.	2.3	8
54	Toughening of ZrB ₂ -based composites with in-situ synthesized ZrC from ZrO ₂ and graphite precursors. <i>Journal of Science: Advanced Materials and Devices</i> , 2021, 6, 42-48.	1.5	8

#	ARTICLE	IF	CITATIONS
55	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.	1.0	6
56	ZrB ₂ SiCw composites with different carbonaceous additives. International Journal of Refractory Metals and Hard Materials, 2021, 95, 105457.	1.7	5
57	An interfacial survey on microstructure of ZrB ₂ -based ceramics codoped with carbon fibers and SiC whiskers. Materials Chemistry and Physics, 2022, 275, 125322.	2.0	5
58	Fabrication of (Zr,Ti)B ₂ -ZrN-BN composites through reactive spark plasma sintering of ZrB ₂ and TiN. Micron, 2022, 154, 103203.	1.1	5
59	Nanocharacterization of spark plasma sintered TiB ₂ -SiC-graphene composites. Materials Characterization, 2022, 189, 111986.	1.9	5
60	On the reactive spark plasma sinterability of ZrB ₂ -SiC-TiN composite. Journal of Alloys and Compounds, 2022, 909, 164611.	2.8	4