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	94433 37 h-index	138484 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 ZrB2â€“based composites: A review. Ceramics International, 2018, 44, 7334-7348.	4.8	177
2	Magnetic CoFe2O4 nanoparticles doped with metal ions: A review. Ceramics International, 2020, 46, 18391-18412.	4.8	155
3	Effects of spark plasma sintering temperature on densification, hardness and thermal conductivity of titanium carbide. Ceramics International, 2018, 44, 14541-14546.	4.8	122
4	Microstructure and thermomechanical characteristics of spark plasma sintered TiC ceramics doped with nano-sized WC. Ceramics International, 2019, 45, 2153-2160.	4.8	107
5	Densification improvement of spark plasma sintered TiB2-based composites with micron-, submicron- and nano-sized SiC particulates. Ceramics International, 2018, 44, 11431-11437.	4.8	100
6	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.	5.6	99
7	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.	3.8	97
8	Spark plasma sintering of Al-doped ZrB2â€“SiC composite. Ceramics International, 2019, 45, 4262-4267.	4.8	97
9	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.	4.8	96
10	Contribution of SiC particle size and spark plasma sintering conditions on grain growth and hardness of TiB2 composites. Ceramics International, 2017, 43, 13924-13931.	4.8	96
11	Reactive spark plasma sintering of TiB2â€“SiCâ€“TiN novel composite. International Journal of Refractory Metals and Hard Materials, 2019, 81, 119-126.	3.8	94
12	Spark plasma sintering of TiCâ€“SiCw ceramics. Ceramics International, 2019, 45, 19808-19821.	4.8	88
13	Microstructural investigation of spark plasma sintered TiB2 ceramics with Si3N4 addition. Ceramics International, 2018, 44, 13367-13372.	4.8	86
14	Sintering behavior of ZrB2â€“SiC composites doped with Si3N4: A fractographical approach. Ceramics International, 2017, 43, 9699-9708.	4.8	85
15	Reinforcing effects of SiC whiskers and carbon nanoparticles in spark plasma sintered ZrB2 matrix composites. Ceramics International, 2018, 44, 19932-19938.	4.8	85
16	Phase evolution during spark plasma sintering of novel Si3N4-doped TiB2â€“SiC composite. Materials Characterization, 2018, 145, 225-232.	4.4	83
17	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.	3.8	82
18	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.	5.6	82

#	Article	IF	Citations
19	Thermal diffusivity and microstructure of spark plasma sintered TiB2SiC Ti composite. Ceramics International, 2019, 45, 8333-8344.	4.8	82
20	Influence of vanadium content on the characteristics of spark plasma sintered ZrB2â€“SiCâ€“V composites. Journal of Alloys and Compounds, 2019, 805, 725-732.	5.5	81
21	Fractographical characterization of hot pressed and pressureless sintered AlN-doped ZrB2â€“SiC composites. Materials Characterization, 2015, 110, 77-85.	4.4	76
22	Fractographical characterization of hot pressed and pressureless sintered SiAlON-doped ZrB2â€“SiC composites. Materials Characterization, 2015, 102, 137-145.	4.4	74
23	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
24	Effects of graphite nano-flakes on thermal and microstructural properties of TiB2â€“SiC composites. Ceramics International, 2020, 46, 11622-11630.	4.8	71
25	Characterization of triplet Tiâ€“TiBâ€“TiC composites: Comparison of in-situ formation and ex-situ addition of TiC. Ceramics International, 2020, 46, 11726-11734.	4.8	67
26	A novel ZrB2â€“C3N4 composite with improved mechanical properties. Ceramics International, 2019, 45, 21512-21519.	4.8	66
27	Strengthening of TiC ceramics sintered by spark plasma via nano-graphite addition. Ceramics International, 2020, 46, 12400-12408.	4.8	66
28	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.	3.8	65
29	Nano-diamond reinforced ZrB2â€“SiC composites. Ceramics International, 2020, 46, 10172-10179.	4.8	62
30	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.	3.8	59
31	Influence of SiAlON addition on the microstructure development of hot-pressed ZrB2â€“SiC composites. Ceramics International, 2020, 46, 19209-19216.	4.8	58
32	Densification behavior and microstructure development in TiB2 ceramics doped with h-BN. Ceramics International, 2020, 46, 18970-18975.	4.8	56
33	Combined role of SiC particles and SiC whiskers on the characteristics of spark plasma sintered ZrB2 ceramics. Ceramics International, 2020, 46, 5773-5778.	4.8	52
34	Influence of TiN dopant on microstructure of TiB2 ceramic sintered by spark plasma. Ceramics International, 2019, 45, 5306-5311.	4.8	51
35	Role of graphene nano-platelets on thermal conductivity and microstructure of TiB2â€“SiC ceramics. Ceramics International, 2020, 46, 21775-21783.	4.8	50
36	Enhanced fracture toughness of ZrB2â€“SiCw ceramics with graphene nano-platelets. Ceramics International, 2020, 46, 24906-24915.	4.8	43

#	Article	IF	Citations
37	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.	3.9	43
38	Characterization of ZrB2â€“TiC composites reinforced with short carbon fibers. Ceramics International, 2020, 46, 23155-23164.	4.8	38
39	Solid solution formation during spark plasma sintering of ZrB2â€“TiCâ€“graphite composites. Ceramics International, 2020, 46, 2923-2930.	4.8	37
40	Enhanced densification of spark plasma sintered TiB2 ceramics with low content AlN additive. Ceramics International, 2020, 46, 22127-22133.	4.8	33
41	Role of co-addition of BN and SiC on microstructure of TiB2-based composites densified by SPS method. Ceramics International, 2020, 46, 25341-25350.	4.8	32
42	Electron microscopy characterization of porous ZrB2â€“SiCâ€“AlN composites prepared by pressureless sintering. Ceramics International, 2020, 46, 25415-25423.	4.8	30
43	Electron microscopy study of ZrB2â€“SiCâ€“AlN composites: Hot-pressing vs. pressureless sintering. Ceramics International, 2020, 46, 29334-29338.	4.8	22
44	Combined role of SiC whiskers and graphene nano-platelets on the microstructure of spark plasma sintered ZrB2 ceramics. Ceramics International, 2021, 47, 12459-12466.	4.8	19
45	Spark plasma sintering of TiB2-based ceramics with Ti3AlC2. Ceramics International, 2021, 47, 11929-11934.	4.8	16
46	Synthesis and photocatalytic performance of hollow sphere particles of SiO2-TiO2 composite of mesocellular foam walls. Ceramics International, 2017, 43, 11786-11791.	4.8	12
47	TEM characterization of hot-pressed ZrB2-SiC-AlN composites. Results in Physics, 2020, 19, 103348.	4.1	12
48	Phase transformation in spark plasma sintered ZrB2â€“Vâ€“C composites at different temperatures. Ceramics International, 2020, 46, 9415-9420.	4.8	11
49	Microstructural evolution of TiB2â€“SiC composites empowered with Si3N4, BN or TiN: A comparative study. Ceramics International, 2021, 47, 1002-1011.	4.8	10
50	Post hot rolling of spark plasma sintered Tiâ€“Moâ€“B4C composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 799, 140214.	5.6	10
51	Effects of discrete and simultaneous addition of SiC and Si3N4 on microstructural development of TiB2 ceramics. Ceramics International, 2021, 47, 3520-3528.	4.8	9
52	Spark plasma sinterability and thermal diffusivity of TiN ceramics with graphene additive. Ceramics International, 2021, 47, 10057-10062.	4.8	9
53	A novel ZrB2-based composite manufactured with Ti3AlC2 additive. Ceramics International, 2021, 47, 817-827.	4.8	8
54	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.	3.1	8

#	Article	IF	Citations
55	Synergistic influence of SiC and C₃N₄ reinforcements on the characteristics of ZrB₂-based composites. Journal of Asian Ceramic Societies, 2021, 9, 53-62.	2.3	6
56	ZrB2SiCw composites with different carbonaceous additives. International Journal of Refractory Metals and Hard Materials, 2021, 95, 105457.	3.8	5
57	An interfacial survey on microstructure of ZrB2-based ceramics codoped with carbon fibers and SiC whiskers. Materials Chemistry and Physics, 2022, 275, 125322.	4.0	5
58	Fabrication of (Zr,Ti)B2â€“ZrNâ€“BN composites through reactive spark plasma sintering of ZrB2 and TiN. Micron, 2022, 154, 103203.	2.2	5
59	Nanocharacterization of spark plasma sintered TiB2â€“SiCâ€“graphene composites. Materials Characterization, 2022, 189, 111986.	4.4	5
60	On the reactive spark plasma sinterability of ZrB2â€“SiCâ€“TiN composite. Journal of Alloys and Compounds, 2022, 909, 164611.	5.5	4