

Behzad Nayebi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9244133/publications.pdf>

Version: 2024-02-01

42
papers

2,017
citations

279487

23
h-index

264894

42
g-index

42
all docs

42
docs citations

42
times ranked

812
citing authors

#	ARTICLE	IF	CITATIONS
1	Reactive spark plasma sintering of ZrB ₂ -TiC composites: Role of nano-sized carbon black additive. <i>Synthesis and Sintering</i> , 2022, 2, 67-77.	0.9	5
2	Nanostructural and nanoindentation characterization of ZrB ₂ ceramics toughened with in-situ synthesized ZrC. <i>International Journal of Refractory Metals and Hard Materials</i> , 2021, 94, 105391.	1.7	15
3	A novel ZrB ₂ -based composite manufactured with Ti ₃ AlC ₂ additive. <i>Ceramics International</i> , 2021, 47, 817-827.	2.3	8
4	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
5	Deformation, Cracking and Fracture Behavior of Dynamically-Formed Oxide Layers on Molten Metals. <i>Metals and Materials International</i> , 2021, 27, 1701-1712.	1.8	8
6	Spark plasma sintering of TiB ₂ -based ceramics with Ti ₃ AlC ₂ . <i>Ceramics International</i> , 2021, 47, 11929-11934.	2.3	16
7	Formation of Al ₂ O ₃ core-shell nanosphere chains during electron beam melting of β -TiAl. <i>Intermetallics</i> , 2021, 136, 107261.	1.8	3
8	Prussian blue-based nanostructured materials: Catalytic applications for environmental remediation and energy conversion. <i>Molecular Catalysis</i> , 2021, 514, 111835.	1.0	24
9	A nanostructural approach to the interfacial phenomena in spark plasma sintered TiB ₂ ceramics with vanadium and graphite additives. <i>Composites Part B: Engineering</i> , 2021, 222, 109069.	5.9	10
10	Solid solution formation during spark plasma sintering of ZrB ₂ -TiC-graphite composites. <i>Ceramics International</i> , 2020, 46, 2923-2930.	2.3	37
11	Phase transformation in spark plasma sintered ZrB ₂ -V ₂ C composites at different temperatures. <i>Ceramics International</i> , 2020, 46, 9415-9420.	2.3	11
12	Characterization of ZrB ₂ -TiC composites reinforced with short carbon fibers. <i>Ceramics International</i> , 2020, 46, 23155-23164.	2.3	38
13	Effect of B ₄ C content on sintering behavior, microstructure and mechanical properties of Ti-based composites fabricated via spark plasma sintering. <i>Materials Chemistry and Physics</i> , 2020, 251, 123087.	2.0	44
14	Mechanochemical characteristics of Ca-added Mg-based alloys: A multimodality approach. <i>Materials Characterization</i> , 2020, 167, 110475.	1.9	12
15	Effect of Zr and C co-addition on the characteristics of ZrB ₂ -based ceramics: Role of spark plasma sintering temperature. <i>Ceramics International</i> , 2020, 46, 24975-24985.	2.3	23
16	Densification and toughening mechanisms in spark plasma sintered ZrB ₂ -based composites with zirconium and graphite additives. <i>Ceramics International</i> , 2020, 46, 13685-13694.	2.3	60
17	Role of carbon morphology on the synthesizability of ZrC during spark plasma sintering of ZrB ₂ -Zr ₃ C composites. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020, 117, 252-256.	2.7	5
18	Boron nitride-palladium nanostructured catalyst: efficient reduction of nitrobenzene derivatives in water. <i>Nano Express</i> , 2020, 1, 030012.	1.2	21

#	ARTICLE	IF	CITATIONS
19	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
20	Nanoindentation and nanostructural characterization of ZrB ₂ -SiC composite doped with graphite nano-flakes. <i>Composites Part B: Engineering</i> , 2019, 175, 107153.	5.9	84
21	Kinetics of crystallization in 13.2Li ₂ O-67.6SiO ₂ -14.49Al ₂ O ₃ -3.3TiO ₂ -0.4BaO-0.97ZnO glass ceramic powder: Part I: A model-free vs. model-fitting approach. <i>Ceramics International</i> , 2019, 45, 8856-8865.	2.3	7
22	Investigation of hot pressed ZrB ₂ -SiC-carbon black nanocomposite by scanning and transmission electron microscopy. <i>Ceramics International</i> , 2019, 45, 16759-16764.	2.3	66
23	Spark plasma sintering of TiN ceramics codoped with SiC and CNT. <i>Ceramics International</i> , 2019, 45, 3207-3216.	2.3	99
24	Microstructure-mechanical properties correlation in spark plasma sintered Ti-4.8wt.% TiB ₂ composites. <i>Materials Chemistry and Physics</i> , 2019, 223, 789-796.	2.0	76
25	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
26	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
27	Characteristics of dynamically-formed surface oxide layers on molten zinc-aluminum alloys: A multimodality approach. <i>Thin Solid Films</i> , 2018, 667, 34-39.	0.8	16
28	Nanostructural approach to the thickening behavior and oxidation of calcium-stabilized aluminum foams. <i>Materials Chemistry and Physics</i> , 2018, 220, 351-359.	2.0	12
29	TEM characterization of spark plasma sintered ZrB ₂ -SiC-graphene nanocomposite. <i>Ceramics International</i> , 2018, 44, 15269-15273.	2.3	103
30	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
31	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
32	Structural and Magnetic Properties of Co _{1-x} Mg _x Fe ₂ O ₄ Nanoparticles Synthesized by Microwave-Assisted Combustion Method. <i>Journal of Superconductivity and Novel Magnetism</i> , 2017, 30, 1801-1805.	0.8	5
33	Interfacial phenomena and formation of nano-particles in porous ZrB ₂ -40 vol% B ₄ C UHTC. <i>Ceramics International</i> , 2016, 42, 17009-17015.	2.3	68
34	Reactive hot pressing of ZrB ₂ -based composites with changes in ZrO ₂ /SiC ratio and sintering conditions. Part II: Mechanical behavior. <i>Ceramics International</i> , 2016, 42, 2724-2733.	2.3	71
35	Characteristics of dynamically formed oxide films in aluminum-calcium foamable alloys. <i>Journal of Alloys and Compounds</i> , 2016, 655, 433-441.	2.8	20
36	Characteristics of multi-walled carbon nanotube toughened ZrB ₂ -SiC ceramic composite prepared by hot pressing. <i>Ceramics International</i> , 2016, 42, 1950-1958.	2.3	131

#	ARTICLE	IF	CITATIONS
37	Temperature dependence of microstructure evolution during hot pressing of ZrB ₂ -30 vol.% SiC composites. International Journal of Refractory Metals and Hard Materials, 2016, 54, 7-13.	1.7	90
38	Fractographical characterization of hot pressed and pressureless sintered SiAlON-doped ZrB ₂ -SiC composites. Materials Characterization, 2015, 102, 137-145.	1.9	74
39	Fractographical characterization of hot pressed and pressureless sintered AlN-doped ZrB ₂ -SiC composites. Materials Characterization, 2015, 110, 77-85.	1.9	76
40	Taguchi analysis on the effect of hot pressing parameters on density and hardness of zirconium diboride. International Journal of Refractory Metals and Hard Materials, 2015, 50, 313-320.	1.7	59
41	A fractographical approach to the sintering process in porous ZrB ₂ -B ₄ C binary composites. Ceramics International, 2015, 41, 379-387.	2.3	67
42	Characteristics of dynamically formed oxide films on molten aluminium. International Journal of Cast Metals Research, 2012, 25, 270-276.	0.5	20