

Seyed Ali Delbari

List of Publications by Year in descending order

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172457
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docs citations

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times ranked

668
citing authors

#	ARTICLE	IF	CITATIONS
1	Transition metal oxide-based electrode materials for flexible supercapacitors: A review. Journal of Alloys and Compounds, 2021, 857, 158281.	5.5	191
2	Spark plasma sintering of TiN ceramics codoped with SiC and CNT. Ceramics International, 2019, 45, 3207-3216.	4.8	99
3	Reactive spark plasma sintering of TiB ₂ -SiC-TiN novel composite. International Journal of Refractory Metals and Hard Materials, 2019, 81, 119-126.	3.8	94
4	Hybrid Ti matrix composites with TiB ₂ and TiC compounds. Materials Today Communications, 2019, 20, 100576.	1.9	76
5	Characterization of triplet Ti-TiB-TiC composites: Comparison of in-situ formation and ex-situ addition of TiC. Ceramics International, 2020, 46, 11726-11734.	4.8	67
6	Electron microscopy investigation of spark plasma sintered ZrO ₂ added ZrB ₂ -SiC composite. Ceramics International, 2020, 46, 19646-19649.	4.8	66
7	Strengthening of TiC ceramics sintered by spark plasma via nano-graphite addition. Ceramics International, 2020, 46, 12400-12408.	4.8	66
8	Nano-diamond reinforced ZrB ₂ -SiC composites. Ceramics International, 2020, 46, 10172-10179.	4.8	62
9	Triplet carbide composites of TiC, WC, and SiC. Ceramics International, 2020, 46, 9070-9078.	4.8	60
10	Role of nano-WC addition on microstructural, mechanical and thermal characteristics of TiC-SiCw composites. International Journal of Refractory Metals and Hard Materials, 2020, 90, 105248.	3.8	59
11	Influence of SiAlON addition on the microstructure development of hot-pressed ZrB ₂ -SiC composites. Ceramics International, 2020, 46, 19209-19216.	4.8	58
12	Influence of Sintering Temperature on Microstructure and Mechanical Properties of Ti-Mo-B ₄ C Composites. Metals and Materials International, 2021, 27, 1092-1102.	3.4	57
13	Densification behavior and microstructure development in TiB ₂ ceramics doped with h-BN. Ceramics International, 2020, 46, 18970-18975.	4.8	56
14	Influence of TiB ₂ content on the properties of TiC-SiCw composites. Ceramics International, 2020, 46, 7403-7412.	4.8	54
15	Strengthening of novel TiC-AlN ceramic with in-situ synthesized Ti ₃ Al intermetallic compound. Ceramics International, 2020, 46, 14105-14113.	4.8	53
16	Influence of TiN dopant on microstructure of TiB ₂ ceramic sintered by spark plasma. Ceramics International, 2019, 45, 5306-5311.	4.8	51
17	Role of nano-diamond addition on the characteristics of spark plasma sintered TiC ceramics. Diamond and Related Materials, 2020, 106, 107828.	3.9	49
18	Characterization of spark plasma sintered TiC ceramics reinforced with graphene nano-platelets. Ceramics International, 2020, 46, 18742-18749.	4.8	48

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19	Microstructural and mechanical characterization of spark plasma sintered TiC ceramics with TiN additive. <i>Ceramics International</i> , 2020, 46, 18924-18932.	4.8	45
20	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.	4.0	44
21	Enhanced fracture toughness of ZrB ₂ -SiCw ceramics with graphene nano-platelets. <i>Ceramics International</i> , 2020, 46, 24906-24915.	4.8	43
22	A microstructural approach to the chemical reactions during the spark plasma sintering of novel TiC-BN ceramics. <i>Ceramics International</i> , 2020, 46, 15982-15990.	4.8	42
23	Nanoindentational and conventional mechanical properties of spark plasma sintered Ti-Mo alloys. <i>Journal of Materials Research and Technology</i> , 2020, 9, 10647-10658.	5.8	36
24	Characteristics of quadruplet Ti-Mo-TiB ₂ -TiC composites prepared by spark plasma sintering. <i>Ceramics International</i> , 2020, 46, 20885-20895.	4.8	36
25	Beneficial role of carbon black on the properties of TiC ceramics. <i>Ceramics International</i> , 2020, 46, 23544-23555.	4.8	35
26	Electrical and dielectric properties of Al/(PVP: Zn-TeO ₂)/p-Si heterojunction structures using current-voltage (I-V) and impedance-frequency (Z-f) measurements. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	2.3	33
27	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
28	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
29	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
30	Physical, mechanical and microstructural characterization of TiC-ZrN ceramics. <i>Ceramics International</i> , 2020, 46, 22154-22163.	4.8	30
31	Role of hot-pressing temperature on densification and microstructure of ZrB ₂ -SiC ultrahigh temperature ceramics. <i>International Journal of Refractory Metals and Hard Materials</i> , 2020, 93, 105355.	3.8	26
32	A novel TiC-based composite co-strengthened with AlN particulates and graphene nano-platelets. <i>International Journal of Refractory Metals and Hard Materials</i> , 2020, 92, 105331.	3.8	25
33	Microstructural, mechanical and friction properties of nano-graphite and h-BN added TiC-based composites. <i>Ceramics International</i> , 2020, 46, 28969-28979.	4.8	22
34	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
35	A novel spark plasma sintered TiC-ZrN-C composite with enhanced flexural strength. <i>Ceramics International</i> , 2020, 46, 29022-29032.	4.8	19
36	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.	4.8	19

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37	Characterization of spark plasma sintered TiC/Si ₃ N ₄ ceramics. International Journal of Refractory Metals and Hard Materials, 2021, 95, 105444.	3.8	18
38	Effect of (CoTeO ₂ -doped polyvinylpyrrolidone) organic interlayer on the electrophysical characteristics of Al/p-Si (MS) structures. Journal of Materials Science: Materials in Electronics, 2021, 32, 21909-21922.	2.2	16
39	On the electrical characteristics of Al/p-Si diodes with and without (PVP: Sn-TeO ₂) interlayer using current-voltage (I-V) measurements. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	14
40	Characterization of reactive spark plasma sintered (Zr,Ti)B ₂ -ZrC-SiC composites. Journal of the Taiwan Institute of Chemical Engineers, 2021, 119, 187-195.	5.3	14
41	A survey on spark plasma sinterability of CNT-added TiC ceramics. International Journal of Refractory Metals and Hard Materials, 2021, 96, 105471.	3.8	13
42	TEM characterization of hot-pressed ZrB ₂ -SiC-AlN composites. Results in Physics, 2020, 19, 103348.	4.1	12
43	Effects of SiC on densification, microstructure and nano-indentation properties of ZrB ₂ -BN composites. Ceramics International, 2021, 47, 9873-9880.	4.8	12
44	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
45	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
46	Microstructure-property correlation in nano-diamond and TiN added TiC-based ceramics. Ceramics International, 2021, 47, 449-460.	4.8	10
47	Synergistic effects of Si ₃ N ₄ and CNT on densification and properties of TiC ceramics. Ceramics International, 2021, 47, 12941-12950.	4.8	10
48	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
49	Characterization of TiC ceramics with SiC and/or WC additives using electron microscopy and electron probe micro-analysis. Journal of the Taiwan Institute of Chemical Engineers, 2021, , .	5.3	9
50	HRTEM study and mechanical properties of ZrB ₂ -SiC composite: An insight into in-situ carbon formation over the SPS process. International Journal of Refractory Metals and Hard Materials, 2022, 104, 105789.	3.8	9
51	Role of TiCN addition on the characteristics of reactive spark plasma sintered ZrB ₂ -based novel composites. Journal of Alloys and Compounds, 2021, 875, 159901.	5.5	8
52	Microstructure of spark plasma sintered TiC-TiB ₂ -SiCw composite. Materials Chemistry and Physics, 2022, 281, 125877.	4.0	8
53	A TEM study on the microstructure of spark plasma sintered ZrB ₂ -based composite with nano-sized SiC dopant. Progress in Natural Science: Materials International, 2021, 31, 47-54.	4.4	7
54	ZrB ₂ SiCw composites with different carbonaceous additives. International Journal of Refractory Metals and Hard Materials, 2021, 95, 105457.	3.8	5

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55	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
56	Spark plasma sinterability of TiC ceramics with different nitride additives. Journal of the Taiwan Institute of Chemical Engineers, 2021, , .	5.3	4
57	Nanoindentation and TEM investigation of spark plasma sintered TiB ₂ -SiC composite. Ceramics International, 2022, 48, 20285-20293.	4.8	4
58	Microstructural evolution during spark plasma sintering of TiC-AlN-graphene ceramics. International Journal of Refractory Metals and Hard Materials, 2021, 96, 105496.	3.8	2
59	HRTEM and XPS characterizations for probable formation of TiB _x N _y solid solution during sintering process of TiB ₂ -20SiC-5Si ₃ N ₄ composite. Materials Chemistry and Physics, 2022, 288, 126380.	4.0	2
60	Effect of iron nanoparticles on spark plasma sinterability of ZrB ₂ -based ceramics. Journal of the Australian Ceramic Society, 0, , .	1.9	2