

Rasit Koc

List of Publications by Year in descending order

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911
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoindentation mechanical properties of TiB ₂ -TiC-TiNiFeCrCoAl high-entropy alloys cermet: A comparison study with WC-Co. International Journal of Refractory Metals and Hard Materials, 2021, 98, 105564.	1.7	4
2	Pressureless sintering of TiB ₂ with low concentration of Co binder to achieve enhanced mechanical properties. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 721, 22-27.	2.6	18
3	Microstructure and mechanical properties of hot pressed submicron TiB ₂ powders. Ceramics International, 2018, 44, 9995-9999.	2.3	18
4	Sintering, mechanical, and oxidation properties of TiC-Ni-Mo cermets obtained from ultra-fine TiC powders. Journal of Alloys and Compounds, 2018, 751, 316-323.	2.8	23
5	TiNiFeCrCoAl high-entropy alloys as novel metallic binders for TiB ₂ -TiC based composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 735, 302-309.	2.6	28
6	Processing and characterization of TiB ₂ -TiNiFeCrCoAl high-entropy alloy composite. Journal of the American Ceramic Society, 2017, 100, 2803-2813.	1.9	36
7	Synthesis of TiB ₂ from a carbon-coated precursors method. Journal of the American Ceramic Society, 2017, 100, 2471-2481.	1.9	28
8	Development of La(CrCoFeNi)O ₃ system perovskites as interconnect and cathode materials for solid oxide fuel cells. Ceramics International, 2017, 43, 7647-7652.	2.3	13
9	Pressureless sintering of submicron titanium carbide powders. Ceramics International, 2017, 43, 17233-17237.	2.3	33
10	Ultrafine TiB ₂ -TiNiFeCrCoAl high-entropy alloy composite with enhanced mechanical properties. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 702, 184-188.	2.6	46
11	Sintering, mechanical, electrical and oxidation properties of ceramic intermetallic TiC-Ti ₃ Al composites obtained from nano-TiC particles. Ceramics International, 2016, 42, 9995-10005.	2.3	36
12	Sintering and mechanical properties of TiB ₂ -TiC-Ni using submicron borides and carbides. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 676, 278-288.	2.6	35
13	Synthesis of TiC-TiB ₂ composite powders from carbon coated TiO ₂ precursors. Ceramics International, 2016, 42, 12231-12238.	2.3	21
14	Fabrication and characterisation of Mg-nano B ₄ C and B composites by powder metallurgy method. Advances in Materials and Processing Technologies, 2015, 1, 181-191.	0.8	5
15	Composite-coated aluminum bipolar plates for PEM fuel cells. Journal of Power Sources, 2013, 231, 106-112.	4.0	67
16	Investigation of Electrical Conductivity and Oxidation Behavior of TiC and TiN Based Cermets for SOFC Interconnect Application. ECS Transactions, 2007, 7, 2427-2435.	0.3	22
17	Formation of Al ₂ O ₃ /TiC Composite Nano-Particles Synthesized from Carbon-Coated Precursors. Journal of the American Ceramic Society, 2007, 90, 407-411.	1.9	6
18	Synthesis and Sintering Characteristics of TiC-Ni-Ti (Al) Nanocomposites. Materials Research Society Symposia Proceedings, 2001, 676, 3221.	0.1	0

#	ARTICLE	IF	CITATIONS
19	Tungsten powder from carbon coated WO ₃ precursors. Journal of Materials Science, 2001, 36, 803-806.	1.7	28
20	β-SiC production by reacting silica gel with hydrocarbon gas. Journal of Materials Science, 2001, 36, 995-999.	1.7	38
21	Tungsten carbide (WC) synthesis from novel precursors. Journal of the European Ceramic Society, 2000, 20, 1859-1869.	2.8	166
22	Synthesis of beta silicon carbide powders using carbon coated fumed silica. Journal of Materials Science, 1998, 33, 2537-2549.	1.7	68
23	Synthesis of β-Si ₃ N ₄ from carbon coated silica by carbothermal reduction and nitridation. Journal of the European Ceramic Society, 1998, 18, 1471-1477.	2.8	35
24	Kinetics and phase evolution during carbothermal synthesis of titanium carbide from carbon-coated titania powder. Journal of the European Ceramic Society, 1997, 17, 1309-1315.	2.8	53
25	Synthesis of Submicrometer Titanium Carbide Powders. Journal of the American Ceramic Society, 1997, 80, 952-956.	1.9	52
26	Electrical and thermal transport properties of (La,Ca)(Cr,Co)O ₃ . Journal of the European Ceramic Society, 1995, 15, 867-874.	2.8	37
27	Investigation of strontium-doped La(Cr, Mn)O ₃ for solid oxide fuel cells. Journal of Materials Science, 1992, 27, 5837-5843.	1.7	24
28	Liquid phase sintering of LaCrO ₃ . Journal of the European Ceramic Society, 1992, 9, 285-292.	2.8	48
29	Kinetics and Phase Evolution During Carbothermal Synthesis of Titanium Carbide. Ceramic Engineering and Science Proceedings, 0, , 703-711.	0.1	2
30	Synthesis of TiC-TiB ₂ Composite Powders from Carbon Coated TiO ₂ Precursors. , 0, , 301-312.		0
31	Synthesis of Submicron β-SiC Powders. Ceramic Engineering and Science Proceedings, 0, , 695-702.	0.1	0