Limeng Liu

List of Publications by Year
in descending order

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30 papers	479 citations	759233 12 h-index	677142 22 g-index
30 all docs	30 docs citations	30 times ranked	444 citing authors

#	Article	IF	Citations
1	Densification and Mechanical Properties of Spark Plasma Sintered B₄C with Si as a Sintering Aid. Journal of the American Ceramic Society, 2010, 93, 2956-2959.	3.8	66
2	Microstructure and mechanical properties of the spark plasma sintered TaC/SiC composites: Effects of sintering temperatures. Journal of the European Ceramic Society, 2012, 32, 3617-3625.	5.7	64
3	Microstructure and Mechanical Properties of Spark Plasma Sintered TaC_{0.7} Ceramics. Journal of the American Ceramic Society, 2010, 93, 2945-2947.	3.8	49
4	Effects of pore shape and porosity on the dielectric constant of porous Î²-SiAlON ceramics. Journal of the European Ceramic Society, 2015, 35, 4115-4120.	5.7	40
5	Microstructure and mechanical properties of the spark plasma sintered TaC/SiC composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 529, 479-484.	5.6	34
6	Fabrication of gradient porous Î²-SiAlON ceramics via a camphene-based freeze casting process. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 558, 742-746.	5.6	29
7	Microstructure and mechanical properties of the spark plasma sintered Ta2C ceramics. Ceramics International, 2012, 38, 4707-4713.	4.8	25
8	Transient liquid phase sintering of tantalum carbide ceramics by using silicon as the sintering aid and its effects on microstructure and mechanical properties. Materials Chemistry and Physics, 2015, 149-150, 505-511.	4.0	24
9	Microstructure and mechanical properties of TaC ceramics with 1â€“7.5 mol% Si as sintering aid. Journal of the American Ceramic Society, 2017, 100, 2461-2470.	3.8	21
10	Preparation of Aluminum Nitride Ceramics by Aqueous Tape Casting. Materials and Manufacturing Processes, 2015, 30, 605-610.	4.7	18
11	Microstructure and mechanical properties of tantalum carbide ceramics: Effects of Si3N4 as sintering aid. Ceramics International, 2017, 43, 5136-5144.	4.8	13
12	Densification of tantalum carbide ceramics with 5mol.% Al, Cu, Ag and Au. Scripta Materialia, 2013, 69, 574-577.	5.2	12
13	Effect of boron addition on microstructure, mechanical properties and oxidation resistance of TaC ceramics. Ceramics International, 2019, 45, 6712-6717.	4.8	10
14	Controlling Î¶-Ta4C3- laminate growth in TaC0.6 ceramic by addition of Cu and its effect on mechanical properties. Materials Chemistry and Physics, 2019, 225, 256-260.	4.0	10
15	Fabrication of ZrB₂ ceramics by reactive hot pressing of ZrB and B. Journal of the American Ceramic Society, 2018, 101, 5294-5298.	3.8	9
16	Effects of Al addition on densification, microstructure and mechanical properties of TaC-Al ceramics. Journal of Alloys and Compounds, 2018, 766, 45-53.	5.5	8
17	Elongation of Î±â€SiC Particles in Spark Plasma Sintered Î±â€SiAlON/Î±â€SiC Composites. Journal of the American Ceramic Society, 2011, 94, 336-339.	3.8	6
18	Effects of oxygen vacancy on the electrochemical properties of Î³-V2O5 as cathode material for lithium-ion batteries: a first-principle study. Journal of Solid State Electrochemistry, 2021, 25, 1999-2007.	2.5	6

#	Article	IF	Citations
19	Effects of adding 5â€“20 mol% ZrC plus 5 mol% Cu as a sintering aid on microstructure and mechanical properties of the TaC ceramics. Ceramics International, 2016, 42, 16248-16254.	4.8	5
20	Pore Architectures and Mechanical Properties of Porous Î±-SiAlON Ceramics Fabricated via Unidirectional Freeze Casting Based on Camphene-Templating. Materials, 2019, 12, 687.	2.9	4
21	Effects of Al2O3 content on densification, microstructure, mechanical properties and oxidation resistance of TaC-Al2O3 composites. International Journal of Refractory Metals and Hard Materials, 2019, 78, 320-325.	3.8	4
22	Strengthened interfacial bonding and its effects on fracture mode of TaC ceramics with addition of B. Journal of the European Ceramic Society, 2020, 40, 1067-1077.	5.7	4
23	Î¶-Ta4C3 lamellae growth behavior and its effects on microstructure and fracture toughness of TaC0.6-Cu composites. Journal of Alloys and Compounds, 2020, 820, 153175.	5.5	4
24	Effects of passing a direct current on densification of SiC ceramics with 10Âwt.% Al2O3 â€“ Y2O3 as an additive. Materials Chemistry and Physics, 2015, 165, 8-13.	4.0	3
25	Effects of LaB 6 content on microstructure and mechanical properties of TaC-LaB 6 composites. Materials Chemistry and Physics, 2018, 213, 374-382.	4.0	3
26	Stacking behavior of the close-packed Ta-atom planes and its effects on formation of â€œhybrid grainsâ€• in TaC0.66-0.7 ceramics. Ceramics International, 2020, 46, 19092-19102.	4.8	3
27	Electric Current Pulse Activated 6<scp>H</scp>â†'3<scp>C</scp> Transformation in Silicon Carbide Compacts. Journal of the American Ceramic Society, 2011, 94, 2767-2771.	3.8	2
28	Effects of 20Âmol% Fe, Co, Ni additions on phase formation, microstructure and mechanical properties of TaCx (xÂ=Â0.5, 0.55, 0.6, 0.7) ceramics. International Journal of Refractory Metals and Hard Materials, 2021, 95, 105436.	3.8	2
29	Effect of 20Âmol% Al addition on phase formation and mechanical properties of TaCx (x=0.5, 0.55, 0.6) Tj ETQq1 1 0.784314 rgBT /O	4.0	1
30	Nano-(Ta, Zr)C Precipitates at Multigrain Conjunctions in TaC Ceramic with 10â€‰mol% ZrC and 5â€‰mol% Cu as Sintering Aid. Journal of Nanomaterials, 2018, 2018, 1-5.	2.7	0