Nicholas Ku

List of Publications by Year
in descending order

12	145	1478505 6	1281871 11
papers	citations	h-index	g-index

12	12	12	141
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Additive manufacturing of structural ceramics: a historical perspective. Journal of Materials Research and Technology, 2021, 15, 670-695.	5.8	41
2	Additive Manufacturing of Cemented Tungsten Carbide with a Cobalt-Free Alloy Binder by Selective Laser Melting for High-Hardness Applications. Jom, 2019, 71, 1535-1542.	1.9	33
3	Auto-granulation of Fine Cohesive Powder by Mechanical Vibration. Procedia Engineering, 2015, 102, 72-80.	1.2	20
4	Co-precipitation of rare-earth-doped Y_2O_3 and MgO nanocomposites for mid-infrared solid-state lasers. Applied Optics, 2017, 56, B154.	2.1	14
5	Multi-material additive manufacturing of functionally graded carbide ceramics via active, in-line mixing. Additive Manufacturing, 2021, 37, 101647.	3.0	11
6	Al/Al2O3 metal matrix composites produced using magnetic field-assisted freeze-casting of porous ceramic structures. Journal of Materials Research, 2021, 36, 2094-2106.	2.6	7
7	Effect of mechanical vibration on the size and microstructure of titania granules produced by auto-granulation. Powder Technology, 2015, 286, 223-229.	4.2	6
8	The effect of rare-earth dopants on the texturing of alumina under high-strength magnetic field. Materials Chemistry and Physics, 2020, 241, 122388.	4.0	4
9	Design of porous aluminum oxide ceramics using magnetic field-assisted freeze-casting. Journal of Materials Research, 2020, 35, 2859-2869.	2.6	4
10	Rheology and processing of UVâ€curable textured alumina inks for additive manufacturing. International Journal of Applied Ceramic Technology, 2021, 18, 1457-1465.	2.1	3
11	Magnetically active transition metal cation-substituted alumina. Nanotechnology, 2020, 31, 105703.	2.6	1
12	Dual-phase Er:Y2O3/MgO nanocomposites for mid-Infrared solid state lasers. , 2018, , .		1