Thomas Tsakalakos

List of Publications by Year
in descending order

14	331	933447 10	1125743 13
papers	citations	h-index	g-index

14	14	14	402
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Flash Sintering using Controlled Current Ramp. Journal of the European Ceramic Society, 2018, 38, 3689-3693.	5.7	86
2	Nanoscale stacking faultâ€“assisted room temperature plasticity in flash-sintered TiO ₂. Science Advances, 2019, 5, eaaw5519.	10.3	82
3	Tracking inhomogeneity in high-capacity lithium iron phosphate batteries. Journal of Power Sources, 2015, 275, 429-434.	7.8	40
4	Defects in flash-sintered ceramics and their effects on mechanical properties. MRS Bulletin, 2021, 46, 44-51.	3.5	24
5	Generation of electric-field stabilized zirconium monoxide secondary phase within cubic zirconia. Scripta Materialia, 2021, 190, 22-26.	5.2	21
6	Thermal expansion of nanoâ€“boron carbide under constant DC electric field: An in situ energy dispersive X-ray diffraction study using a synchrotron probe. Journal of Materials Research, 2020, 35, 90-97.	2.6	12
7	Microstructure and defect gradients in DC and AC flash sintered ZnO. Ceramics International, 2021, 47, 28596-28602.	4.8	12
8	Using in operando diffraction to relate lattice strain with degradation mechanism in a NMC battery. Journal of Materials Science, 2019, 54, 2358-2370.	3.7	11
9	Electric field-induced grain boundary degradation mechanism in yttria stabilized zirconia. Scripta Materialia, 2021, 204, 114130.	5.2	11
10	Anisotropic Thermal Expansion of Zirconium Diboride: An Energy-Dispersive X-Ray Diffraction Study. Journal of Ceramics, 2016, 2016, 1-5.	0.9	10
11	Asynchronous stoichiometric response in lithium iron phosphate batteries. Journal of Materials Research, 2015, 30, 417-423.	2.6	8
12	Stress Distributions in Ceramic Composites Containing Faceted Inclusions. Journal of the American Ceramic Society, 1992, 75, 1807-1817.	3.8	7
13	Electric field effect on chemical and phase equilibria in nano-TiB₂â€“TiO₂â€“TiBO₃system at <650 Â°C: an in situ time-resolved energy dispersive x-ray diffraction study with an ultrahigh energy synchrotron probe. Journal of Materials Research, 2017, 32, 482-494.	2.6	7
14	Effect of Long Range Interaction on Diffusion in Cu/NiFe TernaryAlloy Composition Modulated Thin Films. Materials Research Society Symposia Proceedings, 1984, 37, 537.	0.1	0