David G Weisz

List of Publications by Year
in descending order

10	196	1163117 8	1372567 10
papers	citations	h-index	g-index

10	10	10	84
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A model of early formation of uranium molecular oxides in laser-ablated plasmas. Journal Physics D: Applied Physics, 2017, 50, 485201.	2.8	32
2	Optical spectroscopy and modeling of uranium gas-phase oxidation: Progress and perspectives. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2021, 185, 106283.	2.9	26
3	Formation of 238U16O and 238U18O observed by time-resolved emission spectroscopy subsequent to laser ablation. Applied Physics Letters, 2017, 111, .	3.3	25
4	Effects of Plume Hydrodynamics and Oxidation on the Composition of a Condensing Laser-Induced Plasma. Journal of Physical Chemistry A, 2018, 122, 1584-1591.	2.5	25
5	Time-resolved formation of uranium and silicon oxides subsequent to the laser ablation of U3Si2. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2020, 170, 105925.	2.9	22
6	Plasma flow reactor for steady state monitoring of physical and chemical processes at high temperatures. Review of Scientific Instruments, 2017, 88, 093506.	1.3	19
7	Gas Phase Chemical Evolution of Uranium, Aluminum, and Iron Oxides. Scientific Reports, 2018, 8, 10451.	3.3	18
8	Experimental Investigation of Uranium Volatility during Vapor Condensation. Analytical Chemistry, 2020, 92, 6437-6445.	6.5	16
9	The effect of oxygen concentration on the speciation of laser ablated uranium. Scientific Reports, 2022, 12, 4030.	3.3	8
10	The influence of cooling rate on condensation of iron, aluminum, and uranium oxide nanoparticles. Journal of Aerosol Science, 2022, 162, 105959.	3.8	5