# 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 | The influence of cooling rate on condensation of iron, aluminum, and uranium oxide nanoparticles. Journal of Aerosol Science, 2022, 162, 105959. | 3.8 | 5 |
| 2 | The effect of oxygen concentration on the speciation of laser ablated uranium. Scientific Reports, 2022, 12, 4030. | 3.3 | 8 |
| 3 | Optical spectroscopy and modeling of uranium gas-phase oxidation: Progress and perspectives. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2021, 185, 106283. | 2.9 | 26 |
| 4 | 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 |
| 5 | Experimental Investigation of Uranium Volatility during Vapor Condensation. Analytical Chemistry, 2020, 92, 6437-6445. | 6.5 | 16 |
| 6 | 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 |
| 7 | Gas Phase Chemical Evolution of Uranium, Aluminum, and Iron Oxides. Scientific Reports, 2018, 8, 10451. | 3.3 | 18 |
| 8 | 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 |
| 9 | Formation of 238U16O and 238U18O observed by time-resolved emission spectroscopy subsequent to laser ablation. Applied Physics Letters, 2017, 111, . | 3.3 | 25 |
| 10 | A model of early formation of uranium molecular oxides in laser-ablated plasmas. Journal Physics D: Applied Physics, 2017, 50, 485201. | 2.8 | 32 |