Sina Alavi

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1326449/publications.pdf

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13	121	1163117 8	1281871 11
papers	citations	h-index	g-index

14	14	14	92
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fast and Highâ€Throughput Synthesis of Mediumâ€•and Highâ€Entropy Alloys Using Radio Frequency Inductively Coupled Plasma. Advanced Engineering Materials, 2021, 23, 2001116.	3.5	11
2	Torch Simulator: An analytical model for rapid prediction of inductively coupled plasma parameters. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2021, 180, 106182.	2.9	4
3	A Novel Radio-Frequency Inductively Coupled Plasma Torch for Material Processing. Plasma Chemistry and Plasma Processing, 2021, 41, 1547.	2.4	2
4	Simulation of Supersonic High-Pressure Gas Atomizer for Metal Powder Production. Journal of Thermal Spray Technology, 2021, 30, 1968-1994.	3.1	2
5	High-Sensitivity and High-Speed Single-Particle Inductively Coupled Plasma Spectrometry with the Conical Torch. Analytical Chemistry, 2020, 92, 11786-11794.	6.5	8
6	Analytical performance of the Conical torch in inductively coupled plasma optical emission spectroscopy operating methanol and 1-propanol solutions. Journal of Analytical Atomic Spectrometry, 2020, 35, 2956-2963.	3.0	4
7	Analytical performance of the Conical torch in axially viewed inductively coupled plasma optical emission spectroscopy. Journal of Analytical Atomic Spectrometry, 2019, 34, 2126-2135.	3.0	7
8	Time-resolved particle image velocimetry and 3D simulations of single particles in the new conical ICP torch. Journal of Analytical Atomic Spectrometry, 2019, 34, 469-479.	3.0	10
9	A Novel ICP Torch with Conical Geometry. Plasma Chemistry and Plasma Processing, 2019, 39, 359-376.	2.4	12
10	Conical Torch: The Next-Generation Inductively Coupled Plasma Source for Spectrochemical Analysis. Analytical Chemistry, 2018, 90, 3036-3044.	6.5	13
11	Effects of conical nozzle and its geometry on properties of an inductively coupled plasma jet used for optical fabrication. Applied Thermal Engineering, 2018, 128, 785-794.	6.0	8
12	Effects of the Î² phase size and shape on the oxidation behavior of NiCoCrAlY coating. Corrosion Science, 2018, 145, 262-270.	6.6	28
13	Hot-spot cooling using microliter liquid drops. Applied Thermal Engineering, 2015, 76, 310-323.	6.0	12