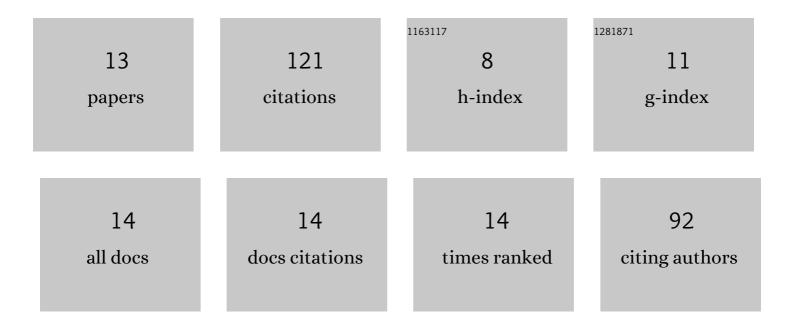
Sina Alavi

List of Publications by Year in descending order

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SINIA ALANJI

| # | Article | IF | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | Effects of the β phase size and shape on the oxidation behavior of NiCoCrAlY coating. Corrosion Science, 2018, 145, 262-270. | 6.6 | 28 |
| 2 | Conical Torch: The Next-Generation Inductively Coupled Plasma Source for Spectrochemical Analysis. Analytical Chemistry, 2018, 90, 3036-3044. | 6.5 | 13 |
| 3 | Hot-spot cooling using microliter liquid drops. Applied Thermal Engineering, 2015, 76, 310-323. | 6.0 | 12 |
| 4 | A Novel ICP Torch with Conical Geometry. Plasma Chemistry and Plasma Processing, 2019, 39, 359-376. | 2.4 | 12 |
| 5 | Fast and Highâ€Throughput Synthesis of Medium―and Highâ€Entropy Alloys Using Radio Frequency Inductively Coupled Plasma. Advanced Engineering Materials, 2021, 23, 2001116. | 3.5 | 11 |
| 6 | 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 |
| 7 | 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 |
| 8 | High-Sensitivity and High-Speed Single-Particle Inductively Coupled Plasma Spectrometry with the Conical Torch. Analytical Chemistry, 2020, 92, 11786-11794. | 6.5 | 8 |
| 9 | 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 |
| 10 | 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 |
| 11 | 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 |
| 12 | A Novel Radio-Frequency Inductively Coupled Plasma Torch for Material Processing. Plasma Chemistry and Plasma Processing, 2021, 41, 1547. | 2.4 | 2 |
| 13 | Simulation of Supersonic High-Pressure Gas Atomizer for Metal Powder Production. Journal of Thermal Spray Technology, 2021, 30, 1968-1994. | 3.1 | 2 |