Jun-Ho Seo

List of Publications by Year
in descending order

16 papers	138 citations	1684188 5 h-index	1199594 12 g-index
16 all docs	16 docs citations	16 times ranked	182 citing authors

#	Article	IF	Citations
1	THERMAL PLASMA SYNTHESIS OF NANO-SIZED POWDERS. Nuclear Engineering and Technology, 2012, 44, 9-20.	2.3	80
2	Radio-frequency thermal plasma synthesis of nano-sized indium zinc tin oxide powders with reduced indium content. Thin Solid Films, 2012, 521, 60-64.	1.8	11
3	Numerical analysis of a hollow electrode plasma torch with a reversed polarity discharge for radioactive waste treatment. Journal of the Korean Physical Society, 2013, 63, 1746-1754.	0.7	9
4	Experimental and Numerical Analyses of a Hollow Electrode Plasma Torch with Inter-electrodes and Reversed Polarity Discharges. Journal of the Korean Physical Society, 2019, 74, 465-472.	0.7	7
5	Numerical Analysis of Radio-Frequency Inductively Coupled Plasma Spheroidization of Titanium Metal Powder Under Single Particle and Dense Loading Conditions. Metals and Materials International, 2020, 26, 491-500.	3.4	7
6	Thermal Plasma Flow and Equivalent Circuit Analyses on the Electrical Coupling of a DC-RF Hybrid Plasma Torch. Journal of the Korean Physical Society, 2009, 54, 94-104.	0.7	6
7	Synthesis of Singleâ€Phase Gdâ€Doped Ceria Nanopowders by Radio Frequency Thermal Plasma Treatment. Journal of the American Ceramic Society, 2014, 97, 1379-1382.	3.8	4
8	Numerical Analysis on the Electrical and Thermal Flow Characteristics of Ar-N2 Inductively Coupled Plasma Torch System. Journal of the Korean Physical Society, 2018, 72, 755-764.	0.7	4
9	Synthesis of High Crystalline Al-Doped ZnO Nanopowders from Al₂O₃and ZnO by Radio-Frequency Thermal Plasma. Journal of Nanomaterials, 2015, 2015, 1-6.	2.7	3
10	Impurity Removal and Microstructural Analysis of Inconel 718 Refined by Hydrogen Plasma Arc Melting. Metals and Materials International, 2020, 27, 2360.	3.4	2
11	Indium doped ZnO nano-powders prepared by RF thermal plasma treatment of In2O3and ZnO. Japanese Journal of Applied Physics, 2015, 54, 065201.	1.5	1
12	Equivalent circuit and numerical analyses of an inductively coupled plasma torch with a tapped induction coil. AIP Advances, 2018, 8, .	1.3	1
13	Effects of inter-electrode insertion on the performance and thermal flow fields of a hollow-electrode plasma torch. Plasma Science and Technology, 2020, 22, 015403.	1.5	1
14	A hybrid cutting technology using plasma and end mill for decommissioning of nuclear facilities. Nuclear Engineering and Technology, 2022, 54, 1145-1151.	2.3	1
15	Control of Cathode Arc Root Behavior in a Reverse Polarity Hollow Electrode Plasma Torch Using an Exit Nozzle. Applied Science and Convergence Technology, 2021, 30, 167-171.	0.9	1
16	Experimental and analytical investigations of the transient temperature fields induced in stainless steel plate by an arc plasma jet for plasma-assisted milling. Journal of the Korean Physical Society, 2021, 79, 283-289.	0.7	0