Tae-Hee Kim

List of Publications by Year in descending order

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TAE-HEE KIM

#	Article	IF	CITATIONS
1	Facile synthesis of cubic boron nitride nanoparticles from amorphous boron by triple thermal plasma jets at atmospheric pressure. Advanced Powder Technology, 2022, 33, 103400.	4.1	3
2	Synthesis of titanium boride nanoparticles and fabrication of flexible material for radiation shielding. Current Applied Physics, 2021, 31, 151-157.	2.4	6
3	Synthesis of cobalt boride nanoparticles and h-BN nanocage encapsulation by thermal plasma. Ceramics International, 2020, 46, 28792-28799.	4.8	10
4	Synthesis of boron nitride nanotubes using triple DC thermal plasma reactor with hydrogen injection. Chemical Engineering Journal, 2020, 395, 125148.	12.7	31
5	Thermal Plasma Synthesis of Ceramic Nanomaterials. Applied Science and Convergence Technology, 2020, 29, 117-123.	0.9	9
6	Formation of Transition Alumina Dust around Asymptotic Giant Branch Stars: Condensation Experiments using Induction Thermal Plasma Systems. Astrophysical Journal Letters, 2019, 878, L7.	8.3	11
7	Purification and Nitrogen Doping of Nanothin Exfoliated Graphite Through RF Thermal Plasma Treatment. Nanomaterials, 2019, 9, 995.	4.1	5
8	Thermal Flow Characteristics of the Triple Plasma Torch System for Nanoparticle Synthesis. IEEE Transactions on Plasma Science, 2019, 47, 3366-3373.	1.3	15
9	Estimate of the Cathodic Arc Spot Size in a Nontransferred Arc Plasma Torch by Comparing the Results of a Numerical Analysis with the Experimental Results. Journal of the Korean Physical Society, 2019, 74, 785-790.	0.7	2
10	Synthesis of Metal Boride Nanoparticles Using Triple Thermal Plasma Jet System. Journal of Nanoscience and Nanotechnology, 2019, 19, 6264-6270.	0.9	12
11	Synthesis of Tungsten Carbide Nanomaterials in Triple DC Thermal Plasma Jet System. Journal of Nanoscience and Nanotechnology, 2019, 19, 6277-6284.	0.9	12
12	Nanofabrication by thermal plasma jets: From nanoparticles to low-dimensional nanomaterials. Journal of Applied Physics, 2019, 125, .	2.5	55
13	Numerical analysis of thermal plasma scrubber for CF ₄ decomposition. Plasma Science and Technology, 2019, 21, 064002.	1.5	6
14	Numerical modelling of a low power non-transferred arc plasma reactor for methane conversion. Plasma Science and Technology, 2019, 21, 064005.	1.5	4
15	Hydrophilic Surface Modification of Polytetrafluoroethylene Film with Gliding Arc Plasma. Applied Science and Convergence Technology, 2019, 28, 101-106.	0.9	9
16	Numerical Simulation of Cement Kiln Combined with Thermal Plasma for SF ₆ Pyrolysis. Applied Science and Convergence Technology, 2019, 28, 93-100.	0.9	2
17	Numerical Simulation of 3-Dimensional Temperature Distribution in a Hot Filament Chemical Vapor Deposition Chamber. Science of Advanced Materials, 2019, 11, 1587-1593.	0.7	0
18	Effects of Operating Condition on the 2-dimensional Temperature and Velocity Distributions of a Thermal Plasma Jet in a Segmented Arc Heater. Journal of the Korean Physical Society, 2018, 73, 592-598.	0.7	1

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#	Article	IF	CITATIONS
19	Preparation of silver coated nickel particles by thermal plasma with pre-treatment using ball milling. Advanced Powder Technology, 2018, 29, 2686-2692.	4.1	2
20	Preparation of Silicon Nanopowder by Recycling Silicon Wafer Waste in Radio-Frequency Thermal Plasma Process. Plasma Chemistry and Plasma Processing, 2017, 37, 967-978.	2.4	11
21	Preparation of Hexagonal Boron Nitride Nanoparticles by Non-Transferred Arc Plasma. Journal of Nanoscience and Nanotechnology, 2017, 17, 9217-9223.	0.9	5
22	Crystal Phase Control Process of Anatase and Rutile TiO ₂ Nanopowder by Thermal Plasma. Science of Advanced Materials, 2017, 9, 1637-1643.	0.7	5
23	Thermal Plasma Synthesis of Crystalline Gallium Nitride Nanopowder from Gallium Nitrate Hydrate and Melamine. Nanomaterials, 2016, 6, 38.	4.1	9
24	Influence of injected silver content on synthesis of silver coated nickel particles by DC thermal plasma. Applied Surface Science, 2016, 374, 257-264.	6.1	10
25	Synthesis of CeO2 nanocrystalline powders using DC non-transferred thermal plasma at atmospheric pressure. Advanced Powder Technology, 2016, 27, 2012-2018.	4.1	6
26	Synthesis of Gallium-oxide nanoparticles and nanowires by using a thermal plasma. Journal of the Korean Physical Society, 2015, 66, 1233-1238.	0.7	2
27	Synthesis of Cubic Boron Nitride Nanoparticles from Boron Oxide, Melamine and NH ₃ by Non-Transferred Ar–N ₂ Thermal Plasma. Journal of Nanoscience and Nanotechnology, 2015, 15, 8515-8520.	0.9	11
28	Electrochemical performance of Si-multiwall carbon nanotube nanocomposite anode synthesized by thermal plasma. Thin Solid Films, 2015, 587, 14-19.	1.8	16
29	Synthesis of silicon nanopowder from silane gas by RF thermal plasma. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 310-315.	1.8	19
30	Effects of NH3 flow rate on the thermal plasma synthesis of AlN nanoparticles. Journal of the Korean Physical Society, 2013, 63, 1864-1870.	0.7	20
31	Synthesis of Few Layer Graphene by Non-Transferred Arc Plasma System. Journal of Nanoscience and Nanotechnology, 2013, 13, 7418-7423.	0.9	5
32	Preparation of silica coated iron oxide nanoparticles using non-transferred arc plasma. Advanced Powder Technology, 2012, 23, 701-707.	4.1	17
33	Numerical simulation on the influence of water spray in thermal plasma treatment of CF4 gas. Current Applied Physics, 2012, 12, 509-514.	2.4	13
34	Synthesis of nanocrystalline magnesium nitride (Mg3N2) powder using thermal plasma. Applied Surface Science, 2011, 257, 5375-5379.	6.1	25
35	Synthesis of metal boride nanoparticles by using thermal plasmas. Journal of the Korean Physical Society, 0, , 1.	0.7	1