

Tae-Hee Kim

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6180333/publications.pdf>

Version: 2024-02-01

35
papers

370
citations

949033

11
h-index

939365

18
g-index

35
all docs

35
docs citations

35
times ranked

420
citing authors

#	ARTICLE	IF	CITATIONS
1	Facile synthesis of cubic boron nitride nanoparticles from amorphous boron by triple thermal plasma jets at atmospheric pressure. <i>Advanced Powder Technology</i> , 2022, 33, 103400.	2.0	3
2	Synthesis of titanium boride nanoparticles and fabrication of flexible material for radiation shielding. <i>Current Applied Physics</i> , 2021, 31, 151-157.	1.1	6
3	Synthesis of cobalt boride nanoparticles and h-BN nanocage encapsulation by thermal plasma. <i>Ceramics International</i> , 2020, 46, 28792-28799.	2.3	10
4	Synthesis of boron nitride nanotubes using triple DC thermal plasma reactor with hydrogen injection. <i>Chemical Engineering Journal</i> , 2020, 395, 125148.	6.6	31
5	Thermal Plasma Synthesis of Ceramic Nanomaterials. <i>Applied Science and Convergence Technology</i> , 2020, 29, 117-123.	0.3	9
6	Formation of Transition Alumina Dust around Asymptotic Giant Branch Stars: Condensation Experiments using Induction Thermal Plasma Systems. <i>Astrophysical Journal Letters</i> , 2019, 878, L7.	3.0	11
7	Purification and Nitrogen Doping of Nanothin Exfoliated Graphite Through RF Thermal Plasma Treatment. <i>Nanomaterials</i> , 2019, 9, 995.	1.9	5
8	Thermal Flow Characteristics of the Triple Plasma Torch System for Nanoparticle Synthesis. <i>IEEE Transactions on Plasma Science</i> , 2019, 47, 3366-3373.	0.6	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. <i>Journal of the Korean Physical Society</i> , 2019, 74, 785-790.	0.3	2
10	Synthesis of Metal Boride Nanoparticles Using Triple Thermal Plasma Jet System. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 6264-6270.	0.9	12
11	Synthesis of Tungsten Carbide Nanomaterials in Triple DC Thermal Plasma Jet System. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 6277-6284.	0.9	12
12	Nanofabrication by thermal plasma jets: From nanoparticles to low-dimensional nanomaterials. <i>Journal of Applied Physics</i> , 2019, 125, .	1.1	55
13	Numerical analysis of thermal plasma scrubber for CF ₄ decomposition. <i>Plasma Science and Technology</i> , 2019, 21, 064002.	0.7	6
14	Numerical modelling of a low power non-transferred arc plasma reactor for methane conversion. <i>Plasma Science and Technology</i> , 2019, 21, 064005.	0.7	4
15	Hydrophilic Surface Modification of Polytetrafluoroethylene Film with Gliding Arc Plasma. <i>Applied Science and Convergence Technology</i> , 2019, 28, 101-106.	0.3	9
16	Numerical Simulation of Cement Kiln Combined with Thermal Plasma for SF ₆ Pyrolysis. <i>Applied Science and Convergence Technology</i> , 2019, 28, 93-100.	0.3	2
17	Numerical Simulation of 3-Dimensional Temperature Distribution in a Hot Filament Chemical Vapor Deposition Chamber. <i>Science of Advanced Materials</i> , 2019, 11, 1587-1593.	0.1	0
18	Effects of Operating Condition on the 2-dimensional Temperature and Velocity Distributions of a Thermal Plasma Jet in a Segmented Arc Heater. <i>Journal of the Korean Physical Society</i> , 2018, 73, 592-598.	0.3	1

#	ARTICLE	IF	CITATIONS
19	Preparation of silver coated nickel particles by thermal plasma with pre-treatment using ball milling. <i>Advanced Powder Technology</i> , 2018, 29, 2686-2692.	2.0	2
20	Preparation of Silicon Nanopowder by Recycling Silicon Wafer Waste in Radio-Frequency Thermal Plasma Process. <i>Plasma Chemistry and Plasma Processing</i> , 2017, 37, 967-978.	1.1	11
21	Preparation of Hexagonal Boron Nitride Nanoparticles by Non-Transferred Arc Plasma. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 9217-9223.	0.9	5
22	Crystal Phase Control Process of Anatase and Rutile TiO ₂ Nanopowder by Thermal Plasma. <i>Science of Advanced Materials</i> , 2017, 9, 1637-1643.	0.1	5
23	Thermal Plasma Synthesis of Crystalline Gallium Nitride Nanopowder from Gallium Nitrate Hydrate and Melamine. <i>Nanomaterials</i> , 2016, 6, 38.	1.9	9
24	Influence of injected silver content on synthesis of silver coated nickel particles by DC thermal plasma. <i>Applied Surface Science</i> , 2016, 374, 257-264.	3.1	10
25	Synthesis of CeO ₂ nanocrystalline powders using DC non-transferred thermal plasma at atmospheric pressure. <i>Advanced Powder Technology</i> , 2016, 27, 2012-2018.	2.0	6
26	Synthesis of Gallium-oxide nanoparticles and nanowires by using a thermal plasma. <i>Journal of the Korean Physical Society</i> , 2015, 66, 1233-1238.	0.3	2
27	Synthesis of Cubic Boron Nitride Nanoparticles from Boron Oxide, Melamine and NH ₃ by Non-Transferred Arc Thermal Plasma. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 8515-8520.	0.9	11
28	Electrochemical performance of Si-multiwall carbon nanotube nanocomposite anode synthesized by thermal plasma. <i>Thin Solid Films</i> , 2015, 587, 14-19.	0.8	16
29	Synthesis of silicon nanopowder from silane gas by RF thermal plasma. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014, 211, 310-315.	0.8	19
30	Effects of NH ₃ flow rate on the thermal plasma synthesis of AlN nanoparticles. <i>Journal of the Korean Physical Society</i> , 2013, 63, 1864-1870.	0.3	20
31	Synthesis of Few Layer Graphene by Non-Transferred Arc Plasma System. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 7418-7423.	0.9	5
32	Preparation of silica coated iron oxide nanoparticles using non-transferred arc plasma. <i>Advanced Powder Technology</i> , 2012, 23, 701-707.	2.0	17
33	Numerical simulation on the influence of water spray in thermal plasma treatment of CF ₄ gas. <i>Current Applied Physics</i> , 2012, 12, 509-514.	1.1	13
34	Synthesis of nanocrystalline magnesium nitride (Mg ₃ N ₂) powder using thermal plasma. <i>Applied Surface Science</i> , 2011, 257, 5375-5379.	3.1	25
35	Synthesis of metal boride nanoparticles by using thermal plasmas. <i>Journal of the Korean Physical Society</i> , 0, , 1.	0.3	1