Cheng Wang

List of Publications by Year
in descending order

25 papers	429 citations	840776 11 h-index	752698 20 g-index
25 all docs	25 docs citations	25 times ranked	433 citing authors

#	Article	IF	Citations
1	Fabrication of ultra-small SiC nanoparticles with adjustable size, stoichiometry and photoluminescence by AC multi-arc plasmas. Ceramics International, 2022, 48, 632-641.	4.8	4
2	Modification of plasma-generated SiC nanoparticles by heat treatment under air atmosphere. Journal of Alloys and Compounds, 2022, 900, 163507.	5.5	8
3	One-step synthesis of SiC/C nanocomposites by atmospheric thermal plasmas for efficient microwave absorption. Ceramics International, 2022, 48, 10391-10402.	4.8	15
4	Pressure-dependent synthesis of graphene nanoflakes using Ar/H2/CH4 non-thermal plasma based on rotating arc discharge. Diamond and Related Materials, 2021, 111, 108176.	3.9	11
5	Synthesis of ultrafine silicon carbide nanoparticles using nonthermal arc plasma at atmospheric pressure. Journal of the American Ceramic Society, 2021, 104, 3883-3894.	3.8	8
6	The Effects of Graphite Particles on arc Plasma Characteristics. Plasma Chemistry and Plasma Processing, 2021, 41, 1183-1203.	2.4	5
7	In situ synthesis of nitrogen-doped graphene nanoflakes using non-thermal arc plasma. Journal of Applied Physics, 2021, 129, .	2.5	4
8	Synthesis of Ultrasmall NiCo₂O₄ Nanoparticle-Decorated N-Doped Graphene Nanosheets as an Effective Catalyst for Znâ€“Air Batteries. Energy & Fuels, 2021, 35, 14188-14196.	5.1	22
9	Effects of buffer gas on N-doped graphene in a non-thermal plasma process. Diamond and Related Materials, 2021, 118, 108548.	3.9	5
10	Synthesis of graphene flakes using a non-thermal plasma based on magnetically stabilized gliding arc discharge. Fullerenes Nanotubes and Carbon Nanostructures, 2020, 28, 846-856.	2.1	17
11	Synthesis of few-layer graphene flakes by magnetically rotating arc plasma: effects of input power and feedstock injection position. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	13
12	Synthesis of carbon nanoparticles in a non-thermal plasma process. Chemical Engineering Science, 2020, 227, 115921.	3.8	44
13	Effects of Buffer Gases on Graphene Flakes Synthesis in Thermal Plasma Process at Atmospheric Pressure. Nanomaterials, 2020, 10, 309.	4.1	21
14	Continuous preparation of carbon nano-onions in a non-thermal plasma process. Materials Letters, 2020, 272, 127808.	2.6	4
15	The morphological transformation of carbon materials from nanospheres to graphene nanoflakes by thermal plasma. Carbon, 2019, 155, 521-530.	10.3	36
16	Products on electrodes in an argon-methane magnetically rotating arc at atmospheric pressure. Fullerenes Nanotubes and Carbon Nanostructures, 2019, 27, 498-505.	2.1	5
17	Non-equilibrium modelling of free-burning argon arc in different anode sheath regimes. Journal Physics D: Applied Physics, 2019, 52, 265204.	2.8	5
18	Continuous synthesis of graphene nano-flakes by a magnetically rotating arc at atmospheric pressure. Carbon, 2019, 148, 394-402.	10.3	35

#	Article	IF	Citations
19	Effect of the Magnetic Field on the Magnetically Stabilized Gliding Arc Discharge and Its Application in the Preparation of Carbon Black Nanoparticles. Plasma Chemistry and Plasma Processing, 2018, 38, 1223-1238.	2.4	26
20	Photo- and thermo-responsive multicompartment hydrogels for synergistic delivery of gemcitabine and doxorubicin. Journal of Controlled Release, 2017, 259, 149-159.	9.9	84
21	Evolution of magnetically rotating arc into large area arc plasma. Chinese Physics B, 2015, 24, 065206.	1.4	12
22	Observation of Thermal Cathodic Hot Spots in a Magnetically Rotating Arc Plasma Generator. IEEE Transactions on Plasma Science, 2015, 43, 3716-3720.	1.3	13
23	Numerical Study of DC Argon Arc with Axial Magnetic Fields. Plasma Chemistry and Plasma Processing, 2015, 35, 61-74.	2.4	23
24	Phenomena of Multiarc Roots and Parallel Arcs in a Large-Scale Magnetically Rotating Arc Plasma Generator. IEEE Transactions on Plasma Science, 2013, 41, 601-605.	1.3	9
25	Numerical analysis for magnetically dispersed ar arc plasma at atmospheric pressure with different shape of cathode. , 2012, , .		0