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	Photo- and thermo-responsive multicompartment hydrogels for synergistic delivery of gemcitabine and doxorubicin. Journal of Controlled Release, 2017, 259, 149-159.	9.9	84
2	Synthesis of carbon nanoparticles in a non-thermal plasma process. Chemical Engineering Science, 2020, 227, 115921.	3.8	44
3	The morphological transformation of carbon materials from nanospheres to graphene nanoflakes by thermal plasma. Carbon, 2019, 155, 521-530.	10.3	36
4	Continuous synthesis of graphene nano-flakes by a magnetically rotating arc at atmospheric pressure. Carbon, 2019, 148, 394-402.	10.3	35
5	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
6	Numerical Study of DC Argon Arc with Axial Magnetic Fields. Plasma Chemistry and Plasma Processing, 2015, 35, 61-74.	2.4	23
7	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
8	Effects of Buffer Gases on Graphene Flakes Synthesis in Thermal Plasma Process at Atmospheric Pressure. Nanomaterials, 2020, 10, 309.	4.1	21
9	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
10	One-step synthesis of SiC/C nanocomposites by atmospheric thermal plasmas for efficient microwave absorption. Ceramics International, 2022, 48, 10391-10402.	4.8	15
11	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
12	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
13	Evolution of magnetically rotating arc into large area arc plasma. Chinese Physics B, 2015, 24, 065206.	1.4	12
14	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
15	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
16	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
17	Modification of plasma-generated SiC nanoparticles by heat treatment under air atmosphere. Journal of Alloys and Compounds, 2022, 900, 163507.	5.5	8
18	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

#	Article	IF	Citations
19	Non-equilibrium modelling of free-burning argon arc in different anode sheath regimes. Journal Physics D: Applied Physics, 2019, 52, 265204.	2.8	5
20	The Effects of Graphite Particles on arc Plasma Characteristics. Plasma Chemistry and Plasma Processing, 2021, 41, 1183-1203.	2.4	5
21	Effects of buffer gas on N-doped graphene in a non-thermal plasma process. Diamond and Related Materials, 2021, 118, 108548.	3.9	5
22	Continuous preparation of carbon nano-onions in a non-thermal plasma process. Materials Letters, 2020, 272, 127808.	2.6	4
23	In situ synthesis of nitrogen-doped graphene nanoflakes using non-thermal arc plasma. Journal of Applied Physics, 2021, 129, .	2.5	4
24	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
25	Numerical analysis for magnetically dispersed ar arc plasma at atmospheric pressure with different shape of cathode. , 2012, , .		0