Keun Su Kim

List of Publications by Year
in descending order

23	1,241	567281 15	677142 22
papers	citations	h-index	g-index

23	23	23	1492
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Molecular engineering of the surface of boron nitride nanotubes for manufacture of thermally conductive dielectric polymer composites. Applied Surface Science, 2022, 587, 152779.	6.1	11
2	Fast and Highâ€Throughput Synthesis of Mediumâ€and Highâ€Entropy Alloys Using Radio Frequency Inductively Coupled Plasma. Advanced Engineering Materials, 2021, 23, 2001116.	3.5	11
3	Insight into BN Impurity Formation during Boron Nitride Nanotube Synthesis by High-Temperature Plasma. ACS Omega, 2021, 6, 27418-27429.	3.5	9
4	Reinforcement of Polymer-Based Nanocomposites by Thermally Conductive and Electrically Insulating Boron Nitride Nanotubes. ACS Applied Nano Materials, 2020, 3, 364-374.	5.0	18
5	Scalable Gas-Phase Purification of Boron Nitride Nanotubes by Selective Chlorine Etching. Chemistry of Materials, 2020, 32, 3911-3921.	6.7	38
6	Boron nitride nanotubes reinforced polycarbonate nanocomposites. Materials Today Communications, 2019, 20, 100586.	1.9	10
7	Boron Nitride Nanotube Composites and Applications. , 2019, , 91-111.		29
8	Control-oriented dynamic model of an inductively coupled plasma torch by artificial intelligence methodology. Plasma Physics and Controlled Fusion, 2019, 61, 044002.	2.1	3
9	Assessment of boron nitride nanotube materials using X-ray photoelectron spectroscopy. Canadian Journal of Chemistry, 2019, 97, 457-464.	1.1	11
10	Enhanced Thermal Conductivity in Polymer Nanocomposites via Covalent Functionalization of Boron Nitride Nanotubes with Short Polyethylene Chains for Heat-Transfer Applications. ACS Applied Nano Materials, 2019, 2, 440-451.	5.0	35
11	Role of Hydrogen in High-Yield Growth of Boron Nitride Nanotubes at Atmospheric Pressure by Induction Thermal Plasma. ACS Nano, 2018, 12, 884-893.	14.6	66
12	Carbon Nanotubes and Related Nanomaterials: Critical Advances and Challenges for Synthesis toward Mainstream Commercial Applications. ACS Nano, 2018, 12, 11756-11784.	14.6	388
13	pHâ€Switchable Waterâ€Soluble Boron Nitride Nanotubes. ChemistrySelect, 2018, 3, 9308-9312.	1.5	25
14	Epoxy resin nanocomposites with hydroxyl (OH) and amino (NH2) functionalized boron nitride nanotubes. Nanocomposites, 2018, 4, 10-17.	4.2	20
15	Scalable manufacturing of boron nitride nanotubes and their assemblies: a review. Semiconductor Science and Technology, 2017, 32, 013003.	2.0	59
16	Covalent derivatization of boron nitride nanotubes with peroxides and their application in polycarbonate composites. New Journal of Chemistry, 2017, 41, 7571-7577.	2.8	16
17	Self-Assembly and Visualization of Poly(3-hexyl-thiophene) Chain Alignment along Boron Nitride Nanotubes. Journal of Physical Chemistry C, 2015, 119, 26605-26610.	3.1	31
18	Polymer nanocomposites from free-standing, macroscopic boron nitride nanotube assemblies. RSC Advances, 2015, 5, 41186-41192.	3.6	37

#	Article	IF	Citations
19	Synthesis of high quality single-walled carbon nanotubes with purity enhancement and diameter control by liquid precursor Arâ€“H2 plasma spraying. Chemical Engineering Journal, 2014, 250, 331-341.	12.7	18
20	Hydrogen-Catalyzed, Pilot-Scale Production of Small-Diameter Boron Nitride Nanotubes and Their Macroscopic Assemblies. ACS Nano, 2014, 8, 6211-6220.	14.6	199
21	Directly grown large area single-walled carbon nanotube films with very high sensitivity to normal pressure. Journal of Applied Physics, 2012, 111, .	2.5	9
22	Synthesis of single-walled carbon nanotubes by induction thermal plasma. Nano Research, 2009, 2, 800.	10.4	49
23	Large-scale production of single-walled carbon nanotubes by induction thermal plasma. Journal Physics D: Applied Physics, 2007, 40, 2375-2387.	2.8	149