

Keun Su Kim

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,241
citations

567281

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677142

22
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all docs

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docs citations

23
times ranked

1492
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Carbon Nanotubes and Related Nanomaterials: Critical Advances and Challenges for Synthesis toward Mainstream Commercial Applications. ACS Nano, 2018, 12, 11756-11784. | 14.6 | 388 |
| 2 | Hydrogen-Catalyzed, Pilot-Scale Production of Small-Diameter Boron Nitride Nanotubes and Their Macroscopic Assemblies. ACS Nano, 2014, 8, 6211-6220. | 14.6 | 199 |
| 3 | Large-scale production of single-walled carbon nanotubes by induction thermal plasma. Journal Physics D: Applied Physics, 2007, 40, 2375-2387. | 2.8 | 149 |
| 4 | 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 |
| 5 | Scalable manufacturing of boron nitride nanotubes and their assemblies: a review. Semiconductor Science and Technology, 2017, 32, 013003. | 2.0 | 59 |
| 6 | Synthesis of single-walled carbon nanotubes by induction thermal plasma. Nano Research, 2009, 2, 800. | 10.4 | 49 |
| 7 | Scalable Gas-Phase Purification of Boron Nitride Nanotubes by Selective Chlorine Etching. Chemistry of Materials, 2020, 32, 3911-3921. | 6.7 | 38 |
| 8 | Polymer nanocomposites from free-standing, macroscopic boron nitride nanotube assemblies. RSC Advances, 2015, 5, 41186-41192. | 3.6 | 37 |
| 9 | 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 |
| 10 | 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 |
| 11 | Boron Nitride Nanotube Composites and Applications. , 2019, , 91-111. | | 29 |
| 12 | pH-Switchable Water-Soluble Boron Nitride Nanotubes. ChemistrySelect, 2018, 3, 9308-9312. | 1.5 | 25 |
| 13 | Epoxy resin nanocomposites with hydroxyl (OH) and amino (NH ₂) functionalized boron nitride nanotubes. Nanocomposites, 2018, 4, 10-17. | 4.2 | 20 |
| 14 | Synthesis of high quality single-walled carbon nanotubes with purity enhancement and diameter control by liquid precursor Ar/H ₂ plasma spraying. Chemical Engineering Journal, 2014, 250, 331-341. | 12.7 | 18 |
| 15 | 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 |
| 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 | Assessment of boron nitride nanotube materials using X-ray photoelectron spectroscopy. Canadian Journal of Chemistry, 2019, 97, 457-464. | 1.1 | 11 |
| 18 | Fast and High-Throughput Synthesis of Medium- and High-Entropy Alloys Using Radio Frequency Inductively Coupled Plasma. Advanced Engineering Materials, 2021, 23, 2001116. | 3.5 | 11 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Molecular engineering of the surface of boron nitride nanotubes for manufacture of thermally conductive dielectric polymer composites. <i>Applied Surface Science</i> , 2022, 587, 152779. | 6.1 | 11 |
| 20 | Boron nitride nanotubes reinforced polycarbonate nanocomposites. <i>Materials Today Communications</i> , 2019, 20, 100586. | 1.9 | 10 |
| 21 | Directly grown large area single-walled carbon nanotube films with very high sensitivity to normal pressure. <i>Journal of Applied Physics</i> , 2012, 111, . | 2.5 | 9 |
| 22 | Insight into BN Impurity Formation during Boron Nitride Nanotube Synthesis by High-Temperature Plasma. <i>ACS Omega</i> , 2021, 6, 27418-27429. | 3.5 | 9 |
| 23 | Control-oriented dynamic model of an inductively coupled plasma torch by artificial intelligence methodology. <i>Plasma Physics and Controlled Fusion</i> , 2019, 61, 044002. | 2.1 | 3 |