

Subash Sharma

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

619
citations

623574

14
h-index

610775

24
g-index

32
all docs

32
docs citations

32
times ranked

1071
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of graphene crystals from solid waste plastic by chemical vapor deposition. Carbon, 2014, 72, 66-73.	5.4	136
2	Low temperature deposited graphene by surface wave plasma CVD as effective oxidation resistive barrier. Corrosion Science, 2014, 78, 183-187.	3.0	60
3	Opening of triangular hole in triangular-shaped chemical vapor deposited hexagonal boron nitride crystal. Scientific Reports, 2015, 5, 10426.	1.6	51
4	A photoinduced charge transfer composite of graphene oxide and ferrocene. Physical Chemistry Chemical Physics, 2013, 15, 1271-1274.	1.3	37
5	Influence of gas composition on the formation of graphene domain synthesized from camphor. Materials Letters, 2013, 93, 258-262.	1.3	35
6	Chemical vapor deposition of graphene on silver foil as a tarnish-resistant coating. Physica Status Solidi - Rapid Research Letters, 2013, 7, 1076-1079.	1.2	27
7	Synthesis of uniform monolayer graphene on re-solidified copper from waste chicken fat by low pressure chemical vapor deposition. Materials Research Bulletin, 2016, 83, 573-580.	2.7	25
8	Edge controlled growth of hexagonal boron nitride crystals on copper foil by atmospheric pressure chemical vapor deposition. CrystEngComm, 2018, 20, 550-555.	1.3	22
9	Effect of copper foil annealing process on large graphene domain growth by solid source-based chemical vapor deposition. Journal of Materials Science, 2016, 51, 7220-7228.	1.7	21
10	Synthesis of graphene by surface wave plasma chemical vapor deposition from camphor. Physica Status Solidi (A) Applications and Materials Science, 2012, 209, 2510-2513.	0.8	17
11	Synthesis of hexagonal graphene on polycrystalline Cu foil from solid camphor by atmospheric pressure chemical vapor deposition. Journal of Materials Science, 2013, 48, 7036-7041.	1.7	17
12	Transformation of chemical vapor deposited individual graphene crystal with oxidation of copper substrate. Carbon, 2014, 80, 504-512.	5.4	16
13	Formation of graphene nanoribbons and Y-junctions by hydrogen induced anisotropic etching. RSC Advances, 2015, 5, 35297-35301.	1.7	16
14	Morphology-Controlled Synthesis of Hexagonal Boron Nitride Crystals by Chemical Vapor Deposition. Crystal Growth and Design, 2016, 16, 6440-6445.	1.4	15
15	In situ TEM synthesis of carbon nanotube Y-junctions by electromigration induced soldering. Carbon, 2018, 132, 165-171.	5.4	15
16	Structure dependent hydrogen induced etching features of graphene crystals. Applied Physics Letters, 2015, 106, .	1.5	14
17	Synthesis of a three dimensional structure of vertically aligned carbon nanotubes and graphene from a single solid carbon source. RSC Advances, 2014, 4, 13355.	1.7	13
18	Optimization of CVD parameters for graphene synthesis through design of experiments. Physica Status Solidi (B): Basic Research, 2017, 254, 1600629.	0.7	10

#	ARTICLE	IF	CITATIONS
19	Controlling single and few-layer graphene crystals growth in a solid carbon source based chemical vapor deposition. Applied Physics Letters, 2014, 105, 133103.	1.5	9
20	Graphene formation at 1500°C using indium as catalyst. RSC Advances, 2017, 7, 47353-47356.	1.7	9
21	Polymer-free graphene transfer on moldable cellulose acetate based paper by hot press technique. Surface and Coatings Technology, 2015, 275, 369-373.	2.2	8
22	Switching isotropic and anisotropic graphene growth in a solid source CVD system. CrystEngComm, 2018, 20, 5356-5363.	1.3	8
23	Effect of annealing in hydrogen atmosphere on ZnO films for field emission display. IOP Conference Series: Materials Science and Engineering, 2015, 99, 012030.	0.3	5
24	Room temperature fabrication of 1D carbon-copper composite nanostructures directly on Cu substrate and their field emission properties. AIP Advances, 2016, 6, .	0.6	5
25	CuNi binary alloy catalyst for growth of nitrogen-doped graphene by low pressure chemical vapor deposition. Physica Status Solidi - Rapid Research Letters, 2016, 10, 749-752.	1.2	5
26	In situ fabrication of graphene from a copper-carbon nanoneedle and its electrical properties. RSC Advances, 2016, 6, 82459-82466.	1.7	5
27	The Mo catalyzed graphitization of amorphous carbon: an <i>in situ</i> TEM study. RSC Advances, 2019, 9, 34377-34381.	1.7	5
28	Synthesis of Freestanding WS ₂ Trees and Fibers on Au by Chemical Vapor Deposition (CVD). Physica Status Solidi (A) Applications and Materials Science, 2018, 215, 1700566.	0.8	4
29	Fabrication of particular structures of hexagonal boron nitride and boron-carbon-nitrogen layers by anisotropic etching. Physica E: Low-Dimensional Systems and Nanostructures, 2016, 79, 13-19.	1.3	3
30	Graphitization of Gallium-Incorporated Carbon Nanofibers and Cones: In Situ and Ex Situ Transmission Electron Microscopy Studies. Physica Status Solidi (B): Basic Research, 2020, 257, 2000309.	0.7	3
31	Development of oxide nanofiber-tipped cantilever as a substrate for cross-sectional transmission electron microscopy analysis. Surface and Interface Analysis, 2018, 50, 1122-1126.	0.8	2
32	In situ TEM visualization of Pd assisted graphene growth in nanoscale. , 2016, , .		1