Subash Sharma

List of Publications by Citations

32 papers	486 citations	13 h-index	21 g-index
32 ext. papers	554 ext. citations	3.8 avg, IF	3.34 L-index

#	Paper	IF	Citations
32	Synthesis of graphene crystals from solid waste plastic by chemical vapor deposition. *Carbon*, **2014**, 72, 66-73	10.4	107
31	Low temperature deposited graphene by surface wave plasma CVD as effective oxidation resistive barrier. *Corrosion Science*, **2014**, 78, 183-187	6.8	49
30	Opening of triangular hole in triangular-shaped chemical vapor deposited hexagonal boron nitride crystal. *Scientific Reports*, **2015**, 5, 10426	4.9	36
29	A photoinduced charge transfer composite of graphene oxide and ferrocene. *Physical Chemistry Chemical Physics*, **2013**, 15, 1271-4	3.6	32
28	Influence of gas composition on the formation of graphene domain synthesized from camphor. *Materials Letters*, **2013**, 93, 258-262	3.3	30
27	Chemical vapor deposition of graphene on silver foil as a tarnish-resistant coating. *Physica Status Solidi - Rapid Research Letters*, **2013**, 7, 1076-1079	2.5	21
26	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	4.3	21
25	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	5.1	19
24	Edge controlled growth of hexagonal boron nitride crystals on copper foil by atmospheric pressure chemical vapor deposition. *CrystEngComm*, **2018**, 20, 550-555	3.3	15
23	Transformation of chemical vapor deposited individual graphene crystal with oxidation of copper substrate. *Carbon*, **2014**, 80, 504-512	10.4	15
22	Synthesis of graphene by surface wave plasma chemical vapor deposition from camphor. *Physica Status Solidi (A) Applications and Materials Science*, **2012**, 209, 2510-2513	1.6	14
21	Formation of graphene nanoribbons and Y-junctions by hydrogen induced anisotropic etching. *RSC Advances*, **2015**, 5, 35297-35301	3.7	13
20	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	4.3	13
19	Structure dependent hydrogen induced etching features of graphene crystals. *Applied Physics Letters*, **2015**, 106, 253106	3.4	12
18	In situ TEM synthesis of carbon nanotube Y-junctions by electromigration induced soldering. *Carbon*, **2018**, 132, 165-171	10.4	11
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	3.7	10
16	Controlling single and few-layer graphene crystals growth in a solid carbon source based chemical vapor deposition. *Applied Physics Letters*, **2014**, 105, 133103	3.4	9

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15	Morphology-Controlled Synthesis of Hexagonal Boron Nitride Crystals by Chemical Vapor Deposition. *Crystal Growth and Design*, **2016**, 16, 6440-6445	3.5	9
14	Polymer-free graphene transfer on moldable cellulose acetate based paper by hot press technique. *Surface and Coatings Technology*, **2015**, 275, 369-373	4.4	8
13	Optimization of CVD parameters for graphene synthesis through design of experiments. *Physica Status Solidi (B): Basic Research*, **2017**, 254, 1600629	1.3	7
12	Graphene formation at 150 °C using indium as catalyst. *RSC Advances*, **2017**, 7, 47353-47356	3.7	6
11	Switching isotropic and anisotropic graphene growth in a solid source CVD system. *CrystEngComm*, **2018**, 20, 5356-5363	3.3	6
10	Room temperature fabrication of 1D carbon-copper composite nanostructures directly on Cu substrate and their field emission properties. *AIP Advances*, **2016**, 6, 095109	1.5	4
9	In situ fabrication of graphene from a copper–carbon nanoneedle and its electrical properties. *RSC Advances*, **2016**, 6, 82459-82466	3.7	4
8	The Mo catalyzed graphitization of amorphous carbon: an TEM study.. *RSC Advances*, **2019**, 9, 34377-34381	3.7	4
7	Effect of annealing in hydrogen atmosphere on ZnO films for field emission display. *IOP Conference Series: Materials Science and Engineering*, **2015**, 99, 012030	0.4	3
6	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	2.5	3
5	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	3	2
4	Synthesis of Freestanding WS2 Trees and Fibers on Au by Chemical Vapor Deposition (CVD). *Physica Status Solidi (A) Applications and Materials Science*, **2018**, 215, 1700566	1.6	2
3	In situ TEM visualization of Pd assisted graphene growth in nanoscale **2016**,		1
2	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	1.3	0
1	Development of oxide nanofiber–tipped cantilever as a substrate for cross-sectional transmission electron microscopy analysis. *Surface and Interface Analysis*, **2018**, 50, 1122-1126	1.5	0