

# Golap Kalita

## List of Publications by Year in descending order

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148  
papers

2,913  
citations

186265

28  
h-index

223800

46  
g-index

149  
all docs

149  
docs citations

149  
times ranked

4560  
citing authors

#	ARTICLE	IF	CITATIONS
1	On the large capacitance of nitrogen doped graphene derived by a facile route. RSC Advances, 2014, 4, 38689-38697.	3.6	148
2	Bifunctional Electrocatalytic Activity of Boron-Doped Graphene Derived from Boron Carbide. Advanced Energy Materials, 2015, 5, 1500658.	19.5	141
3	Synthesis of graphene crystals from solid waste plastic by chemical vapor deposition. Carbon, 2014, 72, 66-73.	10.3	136
4	Iodine doping in solid precursor-based CVD growth graphene film. Journal of Materials Chemistry, 2011, 21, 15209.	6.7	113
5	Low temperature growth of graphene film by microwave assisted surface wave plasma CVD for transparent electrode application. RSC Advances, 2012, 2, 2815.	3.6	80
6	Graphene constructed carbon thin films as transparent electrodes for solar cell applications. Journal of Materials Chemistry, 2010, 20, 9713.	6.7	78
7	Nitrogen Doped Graphene as Metal Free Electrocatalyst for Efficient Oxygen Reduction Reaction in Alkaline Media and Its Application in Anion Exchange Membrane Fuel Cells. Journal of the Electrochemical Society, 2016, 163, F848-F855.	2.9	76
8	Femtosecond laser induced micropatterning of graphene film. Materials Letters, 2011, 65, 1569-1572.	2.6	71
9	Silicon nanowire array/polymer hybrid solar cell incorporating carbon nanotubes. Journal Physics D: Applied Physics, 2009, 42, 115104.	2.8	63
10	Low temperature deposited graphene by surface wave plasma CVD as effective oxidation resistive barrier. Corrosion Science, 2014, 78, 183-187.	6.6	60
11	Few layers of graphene as transparent electrode from botanical derivative camphor. Materials Letters, 2010, 64, 2180-2183.	2.6	57
12	Opening of triangular hole in triangular-shaped chemical vapor deposited hexagonal boron nitride crystal. Scientific Reports, 2015, 5, 10426.	3.3	51
13	An immobilized symmetrical bis-(NHC) palladium complex as a highly efficient and recyclable Suzuki-Miyaura catalyst in aerobic aqueous media. Dalton Transactions, 2017, 46, 539-546.	3.3	49
14	Direct growth of nanographene films by surface wave plasma chemical vapor deposition and their application in photovoltaic devices. RSC Advances, 2012, 2, 3225.	3.6	45
15	Grain structures of nitrogen-doped graphene synthesized by solid source-based chemical vapor deposition. Carbon, 2016, 96, 448-453.	10.3	45
16	Fabrication of poly(methyl methacrylate)-MoS <sub>2</sub> /graphene heterostructure for memory device application. Journal of Applied Physics, 2014, 116, .	2.5	44
17	Fullerene (C <sub>60</sub> ) decoration in oxygen plasma treated multiwalled carbon nanotubes for photovoltaic application. Applied Physics Letters, 2008, 92, 063508.	3.3	43
18	Functionalization of multi-walled carbon nanotubes (MWCNTs) with nitrogen plasma for photovoltaic device application. Current Applied Physics, 2009, 9, 346-351.	2.4	43

#	ARTICLE	IF	CITATIONS
19	Monolayer graphene from a green solid precursor. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2011, 43, 1490-1493.	2.7	41
20	Effect of WO <sub>3</sub> precursor and sulfurization process on WS <sub>2</sub> crystals growth by atmospheric pressure CVD. <i>Materials Letters</i> , 2015, 156, 156-160.	2.6	41
21	Transfer free graphene growth on SiO <sub>2</sub> substrate at 250°C. <i>Scientific Reports</i> , 2017, 7, 43756.	3.3	41
22	A photoinduced charge transfer composite of graphene oxide and ferrocene. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 1271-1274.	2.8	37
23	Influence of gas composition on the formation of graphene domain synthesized from camphor. <i>Materials Letters</i> , 2013, 93, 258-262.	2.6	35
24	Fluorination of multi-walled carbon nanotubes (MWNTs) via surface wave microwave (SW-MW) plasma treatment. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008, 41, 299-303.	2.7	34
25	Cutting carbon nanotubes for solar cell application. <i>Applied Physics Letters</i> , 2008, 92, 123508.	3.3	31
26	<i>In Situ</i> TEM Observation of Fe-Included Carbon Nanofiber: Evolution of Structural and Electrical Properties in Field Emission Process. <i>ACS Nano</i> , 2012, 6, 9567-9573.	14.6	31
27	Highly transparent and conducting C:ZnO thin film for field emission displays. <i>RSC Advances</i> , 2014, 4, 64763-64770.	3.6	31
28	Fabrication of a Schottky junction diode with direct growth graphene on silicon by a solid phase reaction. <i>Journal Physics D: Applied Physics</i> , 2013, 46, 455103.	2.8	28
29	Optical band gap of nitrogenated amorphous carbon thin films synthesized by microwave surface wave plasma CVD. <i>Diamond and Related Materials</i> , 2008, 17, 1666-1668.	3.9	27
30	Chemical vapor deposition of graphene on silver foil as a tarnish-resistant coating. <i>Physica Status Solidi - Rapid Research Letters</i> , 2013, 7, 1076-1079.	2.4	27
31	Photoresponsivity of silver nanoparticles decorated graphene-silicon Schottky junction. <i>RSC Advances</i> , 2014, 4, 26866-26871.	3.6	27
32	Temperature dependent diode and photovoltaic characteristics of graphene-GaN heterojunction. <i>Applied Physics Letters</i> , 2017, 111, .	3.3	27
33	Nanostructured morphology of P3HT:PCBM bulk heterojunction solar cells. <i>Solid-State Electronics</i> , 2010, 54, 447-451.	1.4	26
34	Bonding state and defects of nitrogen-doped graphene in oxygen reduction reaction. <i>Chemical Physics Letters</i> , 2016, 665, 117-120.	2.6	26
35	Synthesis of MoS <sub>2</sub> ribbons and their branched structures by chemical vapor deposition in sulfur-enriched environment. <i>Applied Surface Science</i> , 2017, 409, 396-402.	6.1	26
36	Visualization of silver-decorated poly (DL-lactide-co-glycolide) nanoparticles and their efficacy against <i>Staphylococcus epidermidis</i> . <i>Materials Science and Engineering C</i> , 2017, 72, 143-149.	7.3	26

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37	Photovoltaic Action in Graphene-Ga <sub>2</sub> O <sub>3</sub> Heterojunction with Deep-Ultraviolet Irradiation. Physica Status Solidi - Rapid Research Letters, 2018, 12, 1800198.	2.4	26
38	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.	5.2	25
39	Synthesis of transfer-free graphene on an insulating substrate using a solid phase reaction. Nanoscale, 2012, 4, 7791.	5.6	24
40	Photovoltaic Action With Broadband Photoresponsivity in Germanium-MoS <sub>2</sub> Ultrathin Heterojunction. IEEE Transactions on Electron Devices, 2018, 65, 4434-4440.	3.0	24
41	Field emission characteristics of pristine and N-doped graphene measured by in-situ transmission electron microscopy. Journal of Applied Physics, 2013, 113, 214311.	2.5	23
42	Ultraviolet radiation-induced photovoltaic action in $\text{In}^3\text{-CuI}/\text{In}^2\text{-Ga}_2\text{O}_3$ heterojunction. Materials Letters, 2020, 262, 127074.	2.6	23
43	Formation of graphene nano-particle by means of pulsed discharge to ethanol. Journal of Applied Physics, 2013, 113, 114304.	2.5	22
44	Edge controlled growth of hexagonal boron nitride crystals on copper foil by atmospheric pressure chemical vapor deposition. CrystEngComm, 2018, 20, 550-555.	2.6	22
45	Recent Development in Vanadium Pentoxide and Carbon Hybrid Active Materials for Energy Storage Devices. Nanomaterials, 2021, 11, 3213.	4.1	22
46	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.	3.7	21
47	An effective approach to synthesize monolayer tungsten disulphide crystals using tungsten halide precursor. Applied Physics Letters, 2016, 108, .	3.3	19
48	Electron microscopy of Staphylococcus epidermidis fibril and biofilm formation using image-enhancing ionic liquid. Analytical and Bioanalytical Chemistry, 2015, 407, 1607-1613.	3.7	18
49	Ultraviolet light induced electrical hysteresis effect in graphene-GaN heterojunction. Applied Physics Letters, 2019, 114, .	3.3	18
50	Low temperature wafer-scale synthesis of hexagonal boron nitride by microwave assisted surface wave plasma chemical vapour deposition. AIP Advances, 2019, 9, .	1.3	18
51	Synthesis of graphene by surface wave plasma chemical vapor deposition from camphor. Physica Status Solidi (A) Applications and Materials Science, 2012, 209, 2510-2513.	1.8	17
52	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.	3.7	17
53	Fabrication of graphene and ZnO nanocones hybrid structure for transparent field emission device. Applied Surface Science, 2015, 356, 674-678.	6.1	17
54	Structure of nitrogen-doped graphene synthesized by combination of imidazole and melamine solid precursors. Materials Letters, 2016, 177, 89-93.	2.6	17

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55	Field emission properties of chemical vapor deposited individual graphene. Applied Physics Letters, 2014, 104, .	3.3	16
56	Transformation of chemical vapor deposited individual graphene crystal with oxidation of copper substrate. Carbon, 2014, 80, 504-512.	10.3	16
57	Direct observation of structural change in Au-incorporated carbon nanofibers during field emission process. Carbon, 2014, 75, 277-280.	10.3	16
58	Formation of graphene nanoribbons and Y-junctions by hydrogen induced anisotropic etching. RSC Advances, 2015, 5, 35297-35301.	3.6	16
59	Visualizing copper assisted graphene growth in nanoscale. Scientific Reports, 2014, 4, 7563.	3.3	16
60	Nitrogen doping effect on flow-induced voltage generation from graphene-water interface. Applied Physics Letters, 2018, 112, .	3.3	16
61	Role of Doped Nitrogen in Graphene for Flow-Induced Power Generation. Advanced Engineering Materials, 2018, 20, 1800387.	3.5	16
62	Fabrication of transparent and flexible carbon-doped ZnO field emission display on plastic substrate. Physica Status Solidi - Rapid Research Letters, 2015, 9, 145-148.	2.4	15
63	Morphology-Controlled Synthesis of Hexagonal Boron Nitride Crystals by Chemical Vapor Deposition. Crystal Growth and Design, 2016, 16, 6440-6445.	3.0	15
64	In situ TEM synthesis of carbon nanotube Y-junctions by electromigration induced soldering. Carbon, 2018, 132, 165-171.	10.3	15
65	Fluorine incorporated amorphous carbon thin films prepared by Surface Wave Microwave Plasma CVD. Diamond and Related Materials, 2008, 17, 1697-1701.	3.9	14
66	Structural and Electrical Properties of Ozone Irradiated Carbon Nanotube Yarns and Sheets. Materials Express, 2012, 2, 357-362.	0.5	14
67	Structure dependent hydrogen induced etching features of graphene crystals. Applied Physics Letters, 2015, 106, .	3.3	14
68	Synthesis of a three dimensional structure of vertically aligned carbon nanotubes and graphene from a single solid carbon source. RSC Advances, 2014, 4, 13355.	3.6	13
69	Observing Charge Transfer Interaction in CuI and MoS <sub>2</sub> Heterojunction for Photoresponsive Device Application. ACS Applied Electronic Materials, 2019, 1, 302-310.	4.3	13
70	Molybdenum disulfide-graphene van der Waals heterostructures as stable and sensitive electrochemical sensing platforms. Tungsten, 2020, 2, 411-422.	4.8	13
71	Fabrication and characteristics of solution-processed graphene oxide-silicon heterojunction. Physica Status Solidi - Rapid Research Letters, 2013, 7, 340-343.	2.4	12
72	Schottky Barrier Diode Characteristics of Graphene-GaN Heterojunction with Hexagonal Boron Nitride Interfacial Layer. Physica Status Solidi (A) Applications and Materials Science, 2018, 215, 1800089.	1.8	12

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73	Double-Walled Carbon Nanotubes-Incorporated Donor-Acceptor-Type Organic Photovoltaic Devices Using Poly(3-octylthiophene) and C60. Japanese Journal of Applied Physics, 2008, 47, 1219-1222.	1.5	11
74	Growth of uniform MoS <sub>2</sub> layers on free-standing GaN semiconductor for vertical heterojunction device application. Journal of Materials Science: Materials in Electronics, 2020, 31, 2040-2048.	2.2	11
75	Structural evolution of BCN systems from graphene oxide towards electrocatalytically active atomic layers. Materials Chemistry Frontiers, 2020, 4, 2330-2338.	5.9	11
76	Hydrogen Storage by Carbon Fibers Synthesized by Pyrolysis of Cotton Fibers. Carbon Letters, 2011, 12, 39-43.	5.9	11
77	Controlling the direct growth of graphene on an insulating substrate by the solid phase reaction of a polymer layer. RSC Advances, 2014, 4, 38450-38454.	3.6	10
78	Room-temperature growth of ion-induced Si- and Ge-incorporated carbon nanofibers. Physica Status Solidi (B): Basic Research, 2015, 252, 1345-1349.	1.5	10
79	Optimization of CVD parameters for graphene synthesis through design of experiments. Physica Status Solidi (B): Basic Research, 2017, 254, 1600629.	1.5	10
80	Influence of copper foil polycrystalline structure on graphene anisotropic etching. Applied Surface Science, 2017, 393, 428-433.	6.1	10
81	Preparation of diamond like carbon thin films above room temperature and their properties. Diamond and Related Materials, 2008, 17, 680-683.	3.9	9
82	Room-Temperature Fabrication of Au- and Ag-Incorporated Carbon Nanofibers by Ion Irradiation and Their Field Emission Properties. Japanese Journal of Applied Physics, 2013, 52, 11N101.	1.5	9
83	Controlling single and few-layer graphene crystals growth in a solid carbon source based chemical vapor deposition. Applied Physics Letters, 2014, 105, 133103.	3.3	9
84	In situ transmission electron microscopy of Ag-incorporated carbon nanofibers: the effect of Ag nanoparticle size on graphene formation. RSC Advances, 2015, 5, 5647-5651.	3.6	9
85	Influence of oxygen on nitrogen-doped carbon nanofiber growth directly on nichrome foil. Nanotechnology, 2016, 27, 365602.	2.6	9
86	Graphene formation at 1500°C using indium as catalyst. RSC Advances, 2017, 7, 47353-47356.	3.6	9
87	Fundamentals of Chemical Vapor Deposited Graphene and Emerging Applications. , 0, , .		9
88	Synthesis and Characterization of Li-C Nanocomposite for Easy and Safe Handling. Nanomaterials, 2020, 10, 1483.	4.1	9
89	Effect of substrate bias voltage on the properties of diamond-like carbon thin films deposited by microwave surface wave plasma CVD. Diamond and Related Materials, 2008, 17, 696-699.	3.9	8
90	Fabrication of Nanostructured ZnO Films for Transparent Field Emission Displays. Japanese Journal of Applied Physics, 2013, 52, 11N107.	1.5	8

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91	Synthesis of transfer-free graphene by solid phase reaction process in presence of a carbon diffusion barrier. <i>Materials Letters</i> , 2014, 129, 76-79.	2.6	8
92	Polymer-free graphene transfer on moldable cellulose acetate based paper by hot press technique. <i>Surface and Coatings Technology</i> , 2015, 275, 369-373.	4.8	8
93	Switching isotropic and anisotropic graphene growth in a solid source CVD system. <i>CrystEngComm</i> , 2018, 20, 5356-5363.	2.6	8
94	Output density quantification of electricity generation by flowing deionized water on graphene. <i>Applied Physics Letters</i> , 2020, 117, .	3.3	8
95	Trifunctional Electrocatalytic Activities of Nitrogen- $\delta$ -Doped Graphitic Carbon Nanofibers Synthesized by Chemical Vapor Deposition. <i>ChemistrySelect</i> , 2021, 6, 4867-4873.	1.5	8
96	Flexible Photocatalytic Electrode Using Graphene, Non-noble Metal, and Organic Semiconductors for Hydrogen Evolution Reaction. <i>Energy Technology</i> , 2021, 9, 2100123.	3.8	8
97	Taguchi optimization of device parameters for fullerene and Poly (3-octylthiophene) based heterojunction photovoltaic devices. <i>Diamond and Related Materials</i> , 2008, 17, 799-803.	3.9	6
98	Non-blinking dendritic crystals from C-dot solution. <i>Carbon Letters</i> , 2015, 16, 211-214.	5.9	6
99	Carbon Thin Films from Plant-Derived Precursors. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2007, 37, 467-471.	0.6	5
100	High temperature in-situ observations of multi-segmented metal nanowires encapsulated within carbon nanotubes by in-situ filling technique. <i>Nanoscale Research Letters</i> , 2012, 7, 448.	5.7	5
101	Effect of annealing in hydrogen atmosphere on ZnO films for field emission display. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015, 99, 012030.	0.6	5
102	Room temperature fabrication of 1D carbon-copper composite nanostructures directly on Cu substrate and their field emission properties. <i>AIP Advances</i> , 2016, 6, .	1.3	5
103	CuNi binary alloy catalyst for growth of nitrogen- $\delta$ -doped graphene by low pressure chemical vapor deposition. <i>Physica Status Solidi - Rapid Research Letters</i> , 2016, 10, 749-752.	2.4	5
104	In situ fabrication of graphene from a copper-carbon nanoneedle and its electrical properties. <i>RSC Advances</i> , 2016, 6, 82459-82466.	3.6	5
105	Influence of MoS <sub>2</sub> Silicon Interface States on Spectral Photoresponse Characteristics. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019, 216, 1900349.	1.8	5
106	Formation of Effective Cu/GaN Heterojunction with Excellent Ultraviolet Photoresponsive Photovoltage. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019, 216, 1900200.	1.8	5
107	The Mo catalyzed graphitization of amorphous carbon: an in situ TEM study. <i>RSC Advances</i> , 2019, 9, 34377-34381.	3.6	5
108	Temperature-dependent device properties of $\delta$ -CuI and $\delta$ -Ga <sub>2</sub> O <sub>3</sub> heterojunctions. <i>SN Applied Sciences</i> , 2021, 3, 1.	2.9	5

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109	Effective reduction and doping of graphene oxide films at near-room temperature by microwave-excited surface-wave plasma process. <i>Diamond and Related Materials</i> , 2022, 126, 109066.	3.9	5
110	Structural Analysis and Direct Imaging of Rotational Stacking Faults in Few-Layer Graphene Synthesized from Solid Botanical Precursor. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 070106.	1.5	4
111	Large-area CVD graphene as transparent electrode for efficient organic solar cells. , 2012, , .		4
112	Ambiguity in determining H <sub>2</sub> adsorption capacity of carbon fiber by pressure technique. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 2671-2676.	7.1	4
113	Synthesis of Freestanding WS <sub>2</sub> Trees and Fibers on Au by Chemical Vapor Deposition (CVD). <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018, 215, 1700566.	1.8	4
114	Effects of nitrogen-dopant bonding states on liquid-flow-induced electricity generation of graphene: A comparative study. <i>Results in Physics</i> , 2019, 12, 1291-1293.	4.1	4
115	Room-temperature graphitization in a solid-phase reaction. <i>RSC Advances</i> , 2020, 10, 914-922.	3.6	4
116	Bimetallic Au-Pd nanoparticles supported on silica with a tunable core@shell structure: enhanced catalytic activity of Pd(core)-Au(shell) over Au(core)-Pd(shell). <i>Nanoscale Advances</i> , 2021, 3, 5399-5416.	4.6	4
117	Formation of Graphene-Containing Porous Carbon Film for Electric Double-Layer Capacitor by Pulsed Plasma Chemical Vapor Deposition. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 045103.	1.5	4
118	Enhancement of fluorine doped amorphous carbon thin films from microwave surface wave plasma activated above room temperature. <i>Diamond and Related Materials</i> , 2009, 18, 465-468.	3.9	3
119	Poly(3-octylthiophene)/Fullerene Heterojunction Solar Cell Incorporating Carbon Nanotubes. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 3844-3848.	0.9	3
120	Formation of Graphene-Containing Porous Carbon Film for Electric Double-Layer Capacitor by Pulsed Plasma Chemical Vapor Deposition. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 045103.	1.5	3
121	Blend of Silicon Nanostructures and Conducting Polymers for Solar Cells. , 2014, , 495-508.		3
122	Fabrication of particular structures of hexagonal boron nitride and boron-carbon-nitrogen layers by anisotropic etching. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2016, 79, 13-19.	2.7	3
123	Graphitization of Gallium-Incorporated Carbon Nanofibers and Cones: In Situ and Ex Situ Transmission Electron Microscopy Studies. <i>Physica Status Solidi (B): Basic Research</i> , 2020, 257, 2000309.	1.5	3
124	One-step synthesis of spontaneously graphitized nanocarbon using cobalt-nanoparticles. <i>SN Applied Sciences</i> , 2020, 2, 1.	2.9	3
125	Synthesis of MoS <sub>2</sub> Layers on GaN Using Ammonium Tetrathiomolybdate for Heterojunction Device Applications. <i>Crystal Research and Technology</i> , 2021, 56, 2000198.	1.3	3
126	Some aspects of nitrogen doped amorphous carbon thin films. <i>Conference Record of the IEEE Photovoltaic Specialists Conference</i> , 2008, , .	0.0	2



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127	Effect of liquid nitrogen treatment on the structural, electrical and optical properties of indium tin oxide coated glass substrate. <i>Chemical Physics Letters</i> , 2009, 481, 68-72.	2.6	2
128	Conducting polymer based hybrid structure as transparent and flexible field electron emitter. <i>Physica Status Solidi - Rapid Research Letters</i> , 2013, 7, 489-492.	2.4	2
129	Synthesis of Carbon Fibers with Branched Nanographene Sheets for Electrochemical Double Layer Capacitor Application. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 2614-2619.	0.9	2
130	Encapsulation of transition metal dichalcogenides crystals with room temperature plasma deposited carbonaceous films. <i>RSC Advances</i> , 2017, 7, 41136-41143.	3.6	2
131	Development of oxide nanofiber-tipped cantilever as a substrate for cross-sectional transmission electron microscopy analysis. <i>Surface and Interface Analysis</i> , 2018, 50, 1122-1126.	1.8	2
132	In situ surface modification of bulk or nano materials by cytochrome-c for active hydrogen evolution catalysis. <i>Materials Chemistry Frontiers</i> , 2021, 5, 1295-1300.	5.9	2
133	Biological Synthesis of PbS, As <sub>3</sub> S <sub>4</sub> , HgS, CdS Nanoparticles using <i>Pseudomonas aeruginosa</i> and their Structural, Morphological, Photoluminescence as well as Whole Cell Protein Profiling Studies. <i>Journal of Fluorescence</i> , 2021, 31, 1445-1459.	2.5	2
134	Structural Analysis and Direct Imaging of Rotational Stacking Faults in Few-Layer Graphene Synthesized from Solid Botanical Precursor. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 070106.	1.5	2
135	Influence on Electrochemical Reactivity and Synthesis of Stainless Steel/Nitrogen-Doped Carbon Nanofibers. <i>Journal of Physical Chemistry C</i> , 2021, 125, 25197-25206.	3.1	2
136	Crystallographic Texture and Applications of Pure Cu Formed by Shot Peening. <i>Physica Status Solidi (B): Basic Research</i> , 2022, 259, .	1.5	2
137	Electrochemical Reactivity Investigation of Urea Oxidation Reaction in Nichrome/Nitrogen Doped Carbon Nanofibers Synthesized by CVD Method. <i>ChemistrySelect</i> , 2022, 7, .	1.5	2
138	Application of carbon nanotubes in hybrid and organic solar cells. , 2009, , .		1
139	In situ TEM visualization of Pd assisted graphene growth in nanoscale. , 2016, , .		1
140	Temperature dependence of catalytic activity in graphene synthesis for Sn nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 12796-12803.	2.2	1
141	Photo-anode surface modification using novel graphene oxide integrated with methylammonium lead iodide in organic-inorganic perovskite solar cells. <i>Journal of Physics and Chemistry of Solids</i> , 2021, 154, 110036.	4.0	1
142	Upcycling the barbeque grease into carbon nanomaterials. <i>Carbon Trends</i> , 2022, 6, 100143.	3.0	1
143	Carbon nano materials (CNMs) for photovoltaic device application. <i>Conference Record of the IEEE Photovoltaic Specialists Conference</i> , 2008, , .	0.0	0
144	Compositional and structural variations of nitrogen doped amorphous carbon films grown by surface-wave mode microwave plasma CVD. <i>Conference Record of the IEEE Photovoltaic Specialists Conference</i> , 2008, , .	0.0	0

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145	Efficient bulk heterojunction solar cells incorporating carbon nanotubes and with electron selective interlayers. , 2010, , .		0
146	Synthesis of continuous graphene on metal foil for flexible transparent electrode application. , 2013, , .		0
147	Visualization of graphene formation in nanoscale by in situ transmission electron microscopy: A Review. , 2015, , .		0
148	Schottky junction properties of graphene with nitrogen and gallium polar freestanding GaN. , 2019, , .		0