

# Golap Kalita

## List of Publications by Citations

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140  
papers

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149  
ext. papers

2,625  
ext. citations

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4.97  
L-index

#	Paper	IF	Citations
140	Bifunctional Electrocatalytic Activity of Boron-Doped Graphene Derived from Boron Carbide. <i>Advanced Energy Materials</i> , <b>2015</b> , 5, 1500658	21.8	112
139	Synthesis of graphene crystals from solid waste plastic by chemical vapor deposition. <i>Carbon</i> , <b>2014</b> , 72, 66-73	10.4	107
138	On the large capacitance of nitrogen doped graphene derived by a facile route. <i>RSC Advances</i> , <b>2014</b> , 4, 38689-38697	3.7	104
137	Iodine doping in solid precursor-based CVD growth graphene film. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 15209		94
136	Low temperature growth of graphene film by microwave assisted surface wave plasma CVD for transparent electrode application. <i>RSC Advances</i> , <b>2012</b> , 2, 2815	3.7	68
135	Graphene constructed carbon thin films as transparent electrodes for solar cell applications. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 9713		68
134	Nitrogen Doped Graphene as Metal Free Electrocatalyst for Efficient Oxygen Reduction Reaction in Alkaline Media and Its Application in Anion Exchange Membrane Fuel Cells. <i>Journal of the Electrochemical Society</i> , <b>2016</b> , 163, F848-F855	3.9	59
133	Femtosecond laser induced micropatterning of graphene film. <i>Materials Letters</i> , <b>2011</b> , 65, 1569-1572	3.3	58
132	Silicon nanowire array/polymer hybrid solar cell incorporating carbon nanotubes. <i>Journal Physics D: Applied Physics</i> , <b>2009</b> , 42, 115104	3	57
131	Low temperature deposited graphene by surface wave plasma CVD as effective oxidation resistive barrier. <i>Corrosion Science</i> , <b>2014</b> , 78, 183-187	6.8	49
130	Few layers of graphene as transparent electrode from botanical derivative camphor. <i>Materials Letters</i> , <b>2010</b> , 64, 2180-2183	3.3	49
129	An immobilized symmetrical bis-(NHC) palladium complex as a highly efficient and recyclable Suzuki-Miyaura catalyst in aerobic aqueous media. <i>Dalton Transactions</i> , <b>2017</b> , 46, 539-546	4.3	45
128	Direct growth of nanographene films by surface wave plasma chemical vapor deposition and their application in photovoltaic devices. <i>RSC Advances</i> , <b>2012</b> , 2, 3225	3.7	41
127	Fullerene (C60) decoration in oxygen plasma treated multiwalled carbon nanotubes for photovoltaic application. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 063508	3.4	40
126	Functionalization of multi-walled carbon nanotubes (MWCNTs) with nitrogen plasma for photovoltaic device application. <i>Current Applied Physics</i> , <b>2009</b> , 9, 346-351	2.6	37
125	Opening of triangular hole in triangular-shaped chemical vapor deposited hexagonal boron nitride crystal. <i>Scientific Reports</i> , <b>2015</b> , 5, 10426	4.9	36
124	Grain structures of nitrogen-doped graphene synthesized by solid source-based chemical vapor deposition. <i>Carbon</i> , <b>2016</b> , 96, 448-453	10.4	35

123	Fabrication of poly(methyl methacrylate)-MoS <sub>2</sub> /graphene heterostructure for memory device application. <i>Journal of Applied Physics</i> , <b>2014</b> , 116, 214306	2.5	35
122	A photoinduced charge transfer composite of graphene oxide and ferrocene. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 1271-4	3.6	32
121	Monolayer graphene from a green solid precursor. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2011</b> , 43, 1490-1493	3	32
120	Fluorination of multi-walled carbon nanotubes (MWNTs) via surface wave microwave (SW-MW) plasma treatment. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2008</b> , 41, 299-303	3	32
119	Influence of gas composition on the formation of graphene domain synthesized from camphor. <i>Materials Letters</i> , <b>2013</b> , 93, 258-262	3.3	30
118	Cutting carbon nanotubes for solar cell application. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 123508	3.4	29
117	Transfer free graphene growth on SiO substrate at 250 °C. <i>Scientific Reports</i> , <b>2017</b> , 7, 43756	4.9	28
116	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> , <b>2015</b> , 156, 156-160	3.3	28
115	Highly transparent and conducting C:ZnO thin film for field emission displays. <i>RSC Advances</i> , <b>2014</b> , 4, 64763-64770	3.7	27
114	Fabrication of a Schottky junction diode with direct growth graphene on silicon by a solid phase reaction. <i>Journal Physics D: Applied Physics</i> , <b>2013</b> , 46, 455103	3	27
113	In situ TEM observation of Fe-included carbon nanofiber: evolution of structural and electrical properties in field emission process. <i>ACS Nano</i> , <b>2012</b> , 6, 9567-73	16.7	26
112	Photoresponsivity of silver nanoparticles decorated graphene/silicon Schottky junction. <i>RSC Advances</i> , <b>2014</b> , 4, 26866-26871	3.7	25
111	Nanostructured morphology of P3HT:PCBM bulk heterojunction solar cells. <i>Solid-State Electronics</i> , <b>2010</b> , 54, 447-451	1.7	25
110	Temperature dependent diode and photovoltaic characteristics of graphene-GaN heterojunction. <i>Applied Physics Letters</i> , <b>2017</b> , 111, 013504	3.4	24
109	Bonding state and defects of nitrogen-doped graphene in oxygen reduction reaction. <i>Chemical Physics Letters</i> , <b>2016</b> , 665, 117-120	2.5	21
108	Chemical vapor deposition of graphene on silver foil as a tarnish-resistant coating. <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2013</b> , 7, 1076-1079	2.5	21
107	Effect of copper foil annealing process on large graphene domain growth by solid source-based chemical vapor deposition. <i>Journal of Materials Science</i> , <b>2016</b> , 51, 7220-7228	4.3	21
106	Synthesis of uniform monolayer graphene on re-solidified copper from waste chicken fat by low pressure chemical vapor deposition. <i>Materials Research Bulletin</i> , <b>2016</b> , 83, 573-580	5.1	19

105	Synthesis of transfer-free graphene on an insulating substrate using a solid phase reaction. <i>Nanoscale</i> , <b>2012</b> , 4, 7791-6	7.7	19
104	Formation of graphene nano-particle by means of pulsed discharge to ethanol. <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 114304	2.5	19
103	Optical band gap of nitrogenated amorphous carbon thin films synthesized by microwave surface wave plasma CVD. <i>Diamond and Related Materials</i> , <b>2008</b> , 17, 1666-1668	3.5	19
102	Synthesis of MoS <sub>2</sub> ribbons and their branched structures by chemical vapor deposition in sulfur-enriched environment. <i>Applied Surface Science</i> , <b>2017</b> , 409, 396-402	6.7	18
101	Visualization of silver-decorated poly (DL-lactide-co-glycolide) nanoparticles and their efficacy against Staphylococcus epidermidis. <i>Materials Science and Engineering C</i> , <b>2017</b> , 72, 143-149	8.3	18
100	Field emission characteristics of pristine and N-doped graphene measured by in-situ transmission electron microscopy. <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 214311	2.5	18
99	Photovoltaic Action With Broadband Photoresponsivity in Germanium-MoS <sub>2</sub> Ultrathin Heterojunction. <i>IEEE Transactions on Electron Devices</i> , <b>2018</b> , 65, 4434-4440	2.9	16
98	Photovoltaic Action in Graphene-Ta <sub>2</sub> O <sub>3</sub> Heterojunction with Deep-Ultraviolet Irradiation. <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2018</b> , 12, 1800198	2.5	16
97	Fabrication of graphene and ZnO nanocones hybrid structure for transparent field emission device. <i>Applied Surface Science</i> , <b>2015</b> , 356, 674-678	6.7	15
96	Edge controlled growth of hexagonal boron nitride crystals on copper foil by atmospheric pressure chemical vapor deposition. <i>CrystEngComm</i> , <b>2018</b> , 20, 550-555	3.3	15
95	Transformation of chemical vapor deposited individual graphene crystal with oxidation of copper substrate. <i>Carbon</i> , <b>2014</b> , 80, 504-512	10.4	15
94	Fabrication of transparent and flexible carbon-doped ZnO field emission display on plastic substrate. <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2015</b> , 9, 145-148	2.5	14
93	Electron microscopy of Staphylococcus epidermidis fibril and biofilm formation using image-enhancing ionic liquid. <i>Analytical and Bioanalytical Chemistry</i> , <b>2015</b> , 407, 1607-13	4.4	14
92	Synthesis of graphene by surface wave plasma chemical vapor deposition from camphor. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2012</b> , 209, 2510-2513	1.6	14
91	Structural and Electrical Properties of Ozone Irradiated Carbon Nanotube Yarns and Sheets. <i>Materials Express</i> , <b>2012</b> , 2, 357-362	1.3	14
90	An effective approach to synthesize monolayer tungsten disulphide crystals using tungsten halide precursor. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 053104	3.4	14
89	Ultraviolet light induced electrical hysteresis effect in graphene-GaN heterojunction. <i>Applied Physics Letters</i> , <b>2019</b> , 114, 151102	3.4	13
88	Formation of graphene nanoribbons and Y-junctions by hydrogen induced anisotropic etching. <i>RSC Advances</i> , <b>2015</b> , 5, 35297-35301	3.7	13

87	Visualizing copper assisted graphene growth in nanoscale. <i>Scientific Reports</i> , <b>2014</b> , 4, 7563	4.9	13
86	Synthesis of hexagonal graphene on polycrystalline Cu foil from solid camphor by atmospheric pressure chemical vapor deposition. <i>Journal of Materials Science</i> , <b>2013</b> , 48, 7036-7041	4.3	13
85	Fluorine incorporated amorphous carbon thin films prepared by Surface Wave Microwave Plasma CVD. <i>Diamond and Related Materials</i> , <b>2008</b> , 17, 1697-1701	3.5	13
84	Ultraviolet radiation-induced photovoltaic action in E/CuI/E/Ga <sub>2</sub> O <sub>3</sub> heterojunction. <i>Materials Letters</i> , <b>2020</b> , 262, 127074	3.3	13
83	Structure dependent hydrogen induced etching features of graphene crystals. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 253106	3.4	12
82	Direct observation of structural change in Au-incorporated carbon nanofibers during field emission process. <i>Carbon</i> , <b>2014</b> , 75, 277-280	10.4	12
81	Fabrication and characteristics of solution-processed graphene oxide/silicon heterojunction. <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2013</b> , 7, 340-343	2.5	12
80	Observing Charge Transfer Interaction in CuI and MoS <sub>2</sub> Heterojunction for Photoresponsive Device Application. <i>ACS Applied Electronic Materials</i> , <b>2019</b> , 1, 302-310	4	11
79	Nitrogen doping effect on flow-induced voltage generation from graphene-water interface. <i>Applied Physics Letters</i> , <b>2018</b> , 112, 023902	3.4	11
78	In situ TEM synthesis of carbon nanotube Y-junctions by electromigration induced soldering. <i>Carbon</i> , <b>2018</b> , 132, 165-171	10.4	11
77	Structure of nitrogen-doped graphene synthesized by combination of imidazole and melamine solid precursors. <i>Materials Letters</i> , <b>2016</b> , 177, 89-93	3.3	11
76	Field emission properties of chemical vapor deposited individual graphene. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 093501	3.4	11
75	Double-Walled Carbon Nanotubes-Incorporated Donor/Acceptor-Type Organic Photovoltaic Devices Using Poly(3-octylthiophene) and C <sub>60</sub> . <i>Japanese Journal of Applied Physics</i> , <b>2008</b> , 47, 1219-1222	1.4	11
74	Synthesis of a three dimensional structure of vertically aligned carbon nanotubes and graphene from a single solid carbon source. <i>RSC Advances</i> , <b>2014</b> , 4, 13355	3.7	10
73	Controlling single and few-layer graphene crystals growth in a solid carbon source based chemical vapor deposition. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 133103	3.4	9
72	Controlling the direct growth of graphene on an insulating substrate by the solid phase reaction of a polymer layer. <i>RSC Advances</i> , <b>2014</b> , 4, 38450-38454	3.7	9
71	Preparation of diamond like carbon thin films above room temperature and their properties. <i>Diamond and Related Materials</i> , <b>2008</b> , 17, 680-683	3.5	9
70	Morphology-Controlled Synthesis of Hexagonal Boron Nitride Crystals by Chemical Vapor Deposition. <i>Crystal Growth and Design</i> , <b>2016</b> , 16, 6440-6445	3.5	9

69	Polymer-free graphene transfer on moldable cellulose acetate based paper by hot press technique. <i>Surface and Coatings Technology</i> , <b>2015</b> , 275, 369-373	4.4	8
68	Role of Doped Nitrogen in Graphene for Flow-Induced Power Generation. <i>Advanced Engineering Materials</i> , <b>2018</b> , 20, 1800387	3.5	8
67	Room-temperature growth of ion-induced Si- and Ge-incorporated carbon nanofibers. <i>Physica Status Solidi (B): Basic Research</i> , <b>2015</b> , 252, 1345-1349	1.3	8
66	Fabrication of Nanostructured ZnO Films for Transparent Field Emission Displays. <i>Japanese Journal of Applied Physics</i> , <b>2013</b> , 52, 11NJ07	1.4	8
65	Effect of substrate bias voltage on the properties of diamond-like carbon thin films deposited by microwave surface wave plasma CVD. <i>Diamond and Related Materials</i> , <b>2008</b> , 17, 696-699	3.5	8
64	Hydrogen Storage by Carbon Fibers Synthesized by Pyrolysis of Cotton Fibers. <i>Carbon Letters</i> , <b>2011</b> , 12, 39-43	2.3	8
63	Schottky Barrier Diode Characteristics of Graphene-GaN Heterojunction with Hexagonal Boron Nitride Interfacial Layer. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2018</b> , 215, 1800089	1.6	8
62	Optimization of CVD parameters for graphene synthesis through design of experiments. <i>Physica Status Solidi (B): Basic Research</i> , <b>2017</b> , 254, 1600629	1.3	7
61	Low temperature wafer-scale synthesis of hexagonal boron nitride by microwave assisted surface wave plasma chemical vapour deposition. <i>AIP Advances</i> , <b>2019</b> , 9, 035043	1.5	7
60	Structural evolution of BCN systems from graphene oxide towards electrocatalytically active atomic layers. <i>Materials Chemistry Frontiers</i> , <b>2020</b> , 4, 2330-2338	7.8	7
59	Synthesis of transfer-free graphene by solid phase reaction process in presence of a carbon diffusion barrier. <i>Materials Letters</i> , <b>2014</b> , 129, 76-79	3.3	7
58	Graphene formation at 150 °C using indium as catalyst. <i>RSC Advances</i> , <b>2017</b> , 7, 47353-47356	3.7	6
57	Molybdenum disulfide-graphene van der Waals heterostructures as stable and sensitive electrochemical sensing platforms. <i>Tungsten</i> , <b>2020</b> , 2, 411-422	4.6	6
56	Switching isotropic and anisotropic graphene growth in a solid source CVD system. <i>CrystEngComm</i> , <b>2018</b> , 20, 5356-5363	3.3	6
55	Influence of copper foil polycrystalline structure on graphene anisotropic etching. <i>Applied Surface Science</i> , <b>2017</b> , 393, 428-433	6.7	6
54	Room-Temperature Fabrication of Au- and Ag-Incorporated Carbon Nanofibers by Ion Irradiation and Their Field Emission Properties. <i>Japanese Journal of Applied Physics</i> , <b>2013</b> , 52, 11NL01	1.4	6
53	Taguchi optimization of device parameters for fullerene and Poly (3-octylthiophene) based heterojunction photovoltaic devices. <i>Diamond and Related Materials</i> , <b>2008</b> , 17, 799-803	3.5	6
52	Influence of oxygen on nitrogen-doped carbon nanofiber growth directly on nichrome foil. <i>Nanotechnology</i> , <b>2016</b> , 27, 365602	3.4	6

51	In situ transmission electron microscopy of Ag-incorporated carbon nanofibers: the effect of Ag nanoparticle size on graphene formation. <i>RSC Advances</i> , <b>2015</b> , 5, 5647-5651	3.7	5
50	Fundamentals of Chemical Vapor Deposited Graphene and Emerging Applications <b>2017</b> ,		5
49	High temperature in-situ observations of multi-segmented metal nanowires encapsulated within carbon nanotubes by in-situ filling technique. <i>Nanoscale Research Letters</i> , <b>2012</b> , 7, 448	5	5
48	Carbon Thin Films from Plant-Derived Precursors. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , <b>2007</b> , 37, 467-471		5
47	Recent Development in Vanadium Pentoxide and Carbon Hybrid Active Materials for Energy Storage Devices.. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	5
46	Non-blinking dendritic crystals from C-dot solution. <i>Carbon Letters</i> , <b>2015</b> , 16, 211-214	2.3	5
45	Flexible Photocatalytic Electrode Using Graphene, Non-noble Metal, and Organic Semiconductors for Hydrogen Evolution Reaction. <i>Energy Technology</i> , <b>2021</b> , 9, 2100123	3.5	5
44	Growth of uniform MoS <sub>2</sub> layers on free-standing GaN semiconductor for vertical heterojunction device application. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2020</b> , 31, 2040-2048	2.1	4
43	Room temperature fabrication of 1D carbon-copper composite nanostructures directly on Cu substrate and their field emission properties. <i>AIP Advances</i> , <b>2016</b> , 6, 095109	1.5	4
42	In situ fabrication of graphene from a copper-carbon nanoneedle and its electrical properties. <i>RSC Advances</i> , <b>2016</b> , 6, 82459-82466	3.7	4
41	The Mo catalyzed graphitization of amorphous carbon: an TEM study.. <i>RSC Advances</i> , <b>2019</b> , 9, 34377-34381	3.7	4
40	Influence of MoS <sub>2</sub> -Silicon Interface States on Spectral Photoresponse Characteristics. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2019</b> , 216, 1900349	1.6	3
39	Formation of Effective CuI-GaN Heterojunction with Excellent Ultraviolet Photoresponsive Photovoltage. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2019</b> , 216, 1900200	1.6	3
38	Ambiguity in determining H <sub>2</sub> adsorption capacity of carbon fiber by pressure technique. <i>International Journal of Hydrogen Energy</i> , <b>2016</b> , 41, 2671-2676	6.7	3
37	Effect of annealing in hydrogen atmosphere on ZnO films for field emission display. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2015</b> , 99, 012030	0.4	3
36	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> , <b>2012</b> , 51, 045103	1.4	3
35	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> , <b>2011</b> , 50, 070106	1.4	3
34	Enhancement of fluorine doped amorphous carbon thin films from microwave surface wave plasma activated above room temperature. <i>Diamond and Related Materials</i> , <b>2009</b> , 18, 465-468	3.5	3

33	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> , <b>2012</b> , 51, 045103	1.4	3
32	Room-temperature graphitization in a solid-phase reaction.. <i>RSC Advances</i> , <b>2020</b> , 10, 914-922	3.7	3
31	Synthesis and Characterization of Li-C Nanocomposite for Easy and Safe Handling. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	3
30	Trifunctional Electrocatalytic Activities of Nitrogen-Doped Graphitic Carbon Nanofibers Synthesized by Chemical Vapor Deposition. <i>ChemistrySelect</i> , <b>2021</b> , 6, 4867-4873	1.8	3
29	CuNi binary alloy catalyst for growth of nitrogen-doped graphene by low pressure chemical vapor deposition. <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2016</b> , 10, 749-752	2.5	3
28	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> , <b>2016</b> , 79, 13-19	3	2
27	Synthesis of carbon fibers with branched nanographene sheets for electrochemical double layer capacitor application. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2014</b> , 14, 2614-9	1.3	2
26	Blend of Silicon Nanostructures and Conducting Polymers for Solar Cells <b>2014</b> , 495-508		2
25	Conducting polymer based hybrid structure as transparent and flexible field electron emitter. <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2013</b> , 7, 489-492	2.5	2
24	Effect of liquid nitrogen treatment on the structural, electrical and optical properties of indium tin oxide coated glass substrate. <i>Chemical Physics Letters</i> , <b>2009</b> , 481, 68-72	2.5	2
23	Large-area CVD graphene as transparent electrode for efficient organic solar cells <b>2012</b> ,		2
22	Effects of nitrogen-dopant bonding states on liquid-flow-induced electricity generation of graphene: A comparative study. <i>Results in Physics</i> , <b>2019</b> , 12, 1291-1293	3.7	2
21	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> , <b>2018</b> , 215, 1700566	1.6	2
20	One-step synthesis of spontaneously graphitized nanocarbon using cobalt-nanoparticles. <i>SN Applied Sciences</i> , <b>2020</b> , 2, 1	1.8	1
19	Application of carbon nanotubes in hybrid and organic solar cells <b>2009</b> ,		1
18	Poly(3-octylthiophene)/fullerene heterojunction solar cell incorporating carbon nanotubes. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2010</b> , 10, 3844-8	1.3	1
17	Some aspects of nitrogen doped amorphous carbon thin films. <i>Conference Record of the IEEE Photovoltaic Specialists Conference</i> , <b>2008</b> ,		1
16	Upcycling the barbeque grease into carbon nanomaterials. <i>Carbon Trends</i> , <b>2022</b> , 6, 100143	0	1



15	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> , <b>2011</b> , 50, 070106	1.4	1
14	Output density quantification of electricity generation by flowing deionized water on graphene. <i>Applied Physics Letters</i> , <b>2020</b> , 117, 123905	3.4	1
13	Synthesis of MoS <sub>2</sub> Layers on GaN Using Ammonium Tetrathiomolybdate for Heterojunction Device Applications. <i>Crystal Research and Technology</i> , <b>2021</b> , 56, 2000198	1.3	1
12	In situ TEM visualization of Pd assisted graphene growth in nanoscale <b>2016</b> ,		1
11	In situ surface modification of bulk or nano materials by cytochrome-c for active hydrogen evolution catalysis. <i>Materials Chemistry Frontiers</i> , <b>2021</b> , 5, 1295-1300	7.8	1
10	Temperature-dependent device properties of [Cu] and [Ga <sub>2</sub> O <sub>3</sub> ] heterojunctions. <i>SN Applied Sciences</i> , <b>2021</b> , 3, 1	1.8	1
9	Encapsulation of transition metal dichalcogenides crystals with room temperature plasma deposited carbonaceous films. <i>RSC Advances</i> , <b>2017</b> , 7, 41136-41143	3.7	0
8	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> , <b>2020</b> , 257, 2000309	1.3	0
7	Development of oxide nanofiber-tipped cantilever as a substrate for cross-sectional transmission electron microscopy analysis. <i>Surface and Interface Analysis</i> , <b>2018</b> , 50, 1122-1126	1.5	0
6	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> , <b>2021</b> , 3, 5399-5416	5.1	0
5	Crystallographic Texture and Applications of Pure Cu Formed by Shot Peening. <i>Physica Status Solidi (B): Basic Research</i> , 2100550	1.3	0
4	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> , <b>2022</b> , 126, 109066	3.5	0
3	Temperature dependence of catalytic activity in graphene synthesis for Sn nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 12796-12803	2.1	
2	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> , <b>2021</b> , 154, 110036	3.9	
1	Biological Synthesis of PbS, AsS, 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> , <b>2021</b> , 31, 1445-1459	2.4	