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**Solution phase production of graphene with controlled thickness via density differentiation**

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679	Fast Production of High-Quality Graphene via Sequential Liquid Exfoliation.		
678	Two-Dimensional Material Interface Engineering for Efficient Perovskite Large-Area Modules.		
677	Green and High-Efficiency Production of Graphene by Tannic Acid-Assisted Exfoliation of Graphite in Water.		
676	In Situ Exfoliation of Graphene in Epoxy Resins: A Facile Strategy to Efficient and Large Scale Graphene Nanocomposites.		
675	Graphene-Based Nanoarchitectures. Anchoring Semiconductor and Metal Nanoparticles on a Two-Dimensional Carbon Support. <i>Journal of Physical Chemistry Letters</i> , <b>2010</b> , 1, 520-527	6.4	895
674	Controllable synthesis of graphene and its applications. <i>Advanced Materials</i> , <b>2010</b> , 22, 3225-41	24	337
673	Stimuli-responsive polymer hydrogels containing partially exfoliated graphite. <b>2010</b> , 48, 5375-5381		48
672	Graphene oxide, highly reduced graphene oxide, and graphene: versatile building blocks for carbon-based materials. <b>2010</b> , 6, 711-23		2103
671	High-concentration solvent exfoliation of graphene. <b>2010</b> , 6, 864-71		810
670	Graphene photonics and optoelectronics. <b>2010</b> , 4, 611-622		5678
669	Debundling and Selective Enrichment of SWNTs for Applications in Dye-Sensitized Solar Cells. <b>2010</b> , 2010, 1-14		18
668	Recent Developments in Carbon Nanotube Sorting and Selective Growth. <b>2010</b> , 35, 315-321		97
667	Highly concentrated graphene solutions via polymer enhanced solvent exfoliation and iterative solvent exchange. <b>2010</b> , 132, 17661-3		215
666	Liquid separation by a graphene membrane. <b>2010</b> , 108, 113527		14
665	High performance separation of aerosol sprayed mesoporous TiO <sub>2</sub> sub-microspheres from aggregates via density gradient centrifugation. <b>2010</b> , 20, 4162		16
664	Monodisperse chemically modified graphene obtained by density gradient ultracentrifugal rate separation. <b>2010</b> , 4, 3381-9		176
663	The importance of repulsive potential barriers for the dispersion of graphene using surfactants. <b>2010</b> , 12, 125008		218

- 662 Emerging Methods for Producing Monodisperse Graphene Dispersions. *Journal of Physical Chemistry Letters*, **2010**, 1, 544-549 6.4 183
- 661 Structural and electronic properties of graphene nanoflakes. **2010**, 81, 64
- 660 High-concentration, surfactant-stabilized graphene dispersions. **2010**, 4, 3155-62 826
- 659 Are there fundamental limitations on the sheet resistance and transmittance of thin graphene films?. **2010**, 4, 2713-20 462
- 658 Direct exfoliation of natural graphite into micrometre size few layers graphene sheets using ionic liquids. **2010**, 46, 4487-9 264
- 657 Preparation of graphene relying on porphyrin exfoliation of graphite. **2010**, 46, 5091-3 140
- 656 Exploring the physicoelectrochemical properties of graphene. **2010**, 46, 8986-8 118
- 655 Levitated spinning graphene flakes in an electric quadrupole ion trap. **2010**, 82, 57
- 654 Vertical pillar-superlattice array and graphene hybrid light emitting diodes. *Nano Letters*, **2010**, 10, 2783-8 126
- 653 Morphology and Photoelectrical Properties of Solution Processable Butylamine-Modified Graphene- and Pyrene-Based Organic Semiconductor. *Journal of Physical Chemistry C*, **2010**, 114, 11252-11257 17
- 652 Size effects and the problem with percolation in nanostructured transparent conductors. **2010**, 4, 7064-72 269
- 651 Toward single-chirality carbon nanotube device arrays. **2010**, 4, 2748-54 62
- 650 Lateral confinement effects on the structural properties of surfactant aggregates: SDS on graphene. **2010**, 12, 13137-43 45
- 649 Nano-scale chemical imaging of a single sheet of reduced graphene oxide. **2011**, 21, 14622 57
- 648 Fabrication and Characterization of Networked Graphene Devices Based on Ultralarge Single-Layer Graphene Sheets. **2011**, 10, 467-471 3
- 647 Novel synthesis of graphene foils in mesostructured silica between hexagonal and lamellar phases. **2011**, 47, 2297-9 7
- 646 Characterization and nanopatterning of organically functionalized graphene with ultrahigh vacuum scanning tunneling microscopy. **2011**, 36, 532-542 12
- 645 High-performance transparent conductive films using rheologically derived reduced graphene oxide. **2011**, 5, 870-8 78

644	Flexible organic memory devices with multilayer graphene electrodes. <b>2011</b> , 5, 5995-6000		119
643	Improved Monodispersity of Plasmonic Nanoantennas via Centrifugal Processing. <i>Journal of Physical Chemistry Letters</i> , <b>2011</b> , 2, 218-222	6.4	55
642	Graphene-based thermal interface materials. <b>2011</b> ,		7
641	In situ production of high filler content graphene-based polymer nanocomposites by reactive processing. <b>2011</b> , 21, 16544		44
640	Solvent-exfoliated graphene at extremely high concentration. <i>Langmuir</i> , <b>2011</b> , 27, 9077-82	4	280
639	Graphene Dispersion and Exfoliation in Low Boiling Point Solvents. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 5422-5428	3.8	390
638	Molecular insights into the surface morphology, layering structure, and aggregation kinetics of surfactant-stabilized graphene dispersions. <b>2011</b> , 133, 12810-23		128
637	Scanning tunneling microscopy and X-ray photoelectron spectroscopy studies of graphene films prepared by sonication-assisted dispersion. <b>2011</b> , 5, 6102-8		49
636	Graphene electrochemistry: fabricating amperometric biosensors. <b>2011</b> , 136, 2084-9		54
635	PS colloidal particles stabilized by graphene oxide. <i>Langmuir</i> , <b>2011</b> , 27, 1186-91	4	103
634	Minimizing graphene defects enhances titania nanocomposite-based photocatalytic reduction of CO <sub>2</sub> for improved solar fuel production. <i>Nano Letters</i> , <b>2011</b> , 11, 2865-70	11.5	499
633	The effects of percolation in nanostructured transparent conductors. <b>2011</b> , 36, 774-781		193
632	Synthesis, assembly and applications of semiconductor nanomembranes. <b>2011</b> , 477, 45-53		526
631	Direct formation of wafer scale graphene thin layers on insulating substrates by chemical vapor deposition. <i>Nano Letters</i> , <b>2011</b> , 11, 3612-6	11.5	254
630	Localized in situ polymerization on graphene surfaces for stabilized graphene dispersions. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2011</b> , 3, 1844-51	9.5	94
629	Properties and application of double-walled carbon nanotubes sorted by outer-wall electronic type. <b>2011</b> , 5, 1459-67		73
628	Molecular- and Nano-Tubes. <b>2011</b> ,		8
627	High concentration few-layer graphene sheets obtained by liquid phase exfoliation of graphite in ionic liquid. <b>2011</b> , 21, 3428-3431		317

626	Graphene-containing thermoresponsive nanocomposite hydrogels of poly(N-isopropylacrylamide) prepared by frontal polymerization. <b>2011</b> , 21, 8727		179
625	Flexible film materials from conjugated dye-modified polymer surfactant-induced aqueous graphene dispersions. <b>2011</b> , 21, 16129		15
624	Stable aqueous dispersion of reduced graphene nanosheets via non-covalent functionalization with conducting polymers and application in transparent electrodes. <i>Langmuir</i> , <b>2011</b> , 27, 2014-8	4	143
623	Wrinkled Graphenes: A Study on the Effects of Synthesis Parameters on Exfoliation-Reduction of Graphite Oxide. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 17660-17669	3.8	84
622	Solution-processed graphene/MnO <sub>2</sub> nanostructured textiles for high-performance electrochemical capacitors. <i>Nano Letters</i> , <b>2011</b> , 11, 2905-11	11.5	1097
621	Size-induced effects in gallium selenide electronic structure: The influence of interlayer interactions. <b>2011</b> , 84,		80
620	High-throughput production of pristine graphene in an aqueous dispersion assisted by non-ionic surfactants. <b>2011</b> , 49, 1653-1662		403
619	Graphene: learning from carbon nanotubes. <b>2011</b> , 21, 919-929		41
618	Graphene Sensors. <b>2011</b> , 11, 3161-3170		290
617	High-quality thin graphene films from fast electrochemical exfoliation. <b>2011</b> , 5, 2332-9		765
616	High-Concentration Aqueous Dispersions of Graphene Using Nonionic, Biocompatible Block Copolymers. <i>Journal of Physical Chemistry Letters</i> , <b>2011</b> , 2, 1004-1008	6.4	153
615	Nanotube and Graphene Polymer Composites for Photonics and Optoelectronics. <b>2011</b> , 279-354		5
614	Bi- and trilayer graphene solutions. <b>2011</b> , 6, 439-45		304
613	Facile and simultaneous production of metal/metal oxide dispersed graphene nano composites by solar exfoliation. <b>2011</b> , 21, 17094		33
612	Fabrication of fluorescent nanodiamond@C core-shell hybrids via mild carbonization of sodium cholate-nanodiamond complexes. <b>2011</b> , 46, 7912-7916		9
611	Nearly single-chirality single-walled carbon nanotubes produced via orthogonal iterative density gradient ultracentrifugation. <i>Advanced Materials</i> , <b>2011</b> , 23, 2185-90	24	149
610	The potential of perylene bisimide derivatives for the solubilization of carbon nanotubes and graphene. <i>Advanced Materials</i> , <b>2011</b> , 23, 2588-601	24	90
609	Graphene as transparent electrode material for organic electronics. <i>Advanced Materials</i> , <b>2011</b> , 23, 2779-95		612

608	Carbon materials for chemical capacitive energy storage. <i>Advanced Materials</i> , <b>2011</b> , 23, 4828-50	24	2273
607	Graphene: Piecing it together. <i>Advanced Materials</i> , <b>2011</b> , 23, 4471-90	24	115
606	Graphene Electrochemistry: Surfactants Inherent to Graphene Can Dramatically Effect Electrochemical Processes. <b>2011</b> , 23, 894-899		74
605	High-quality few layer graphene produced by electrochemical intercalation and microwave-assisted expansion of graphite. <b>2011</b> , 49, 2809-2816		104
604	High-concentration organic solutions of poly(styrene-co-butadiene-co-styrene)-modified graphene sheets exfoliated from graphite. <b>2011</b> , 49, 3529-3537		77
603	Graphene electrochemistry: Surfactants inherent to graphene inhibit metal analysis. <b>2011</b> , 13, 111-113		68
602	Polymeric semiconductor/graphene hybrid field-effect transistors. <b>2011</b> , 12, 1471-1476		56
601	Graphene based materials: Past, present and future. <b>2011</b> , 56, 1178-1271		2607
600	Back to the future. <b>2011</b> , 6, 607-8		2
599	Direct deposition of semitransparent conducting pyrolytic carbon films. <b>2012</b> , 6, 061703		27
598	Rate of belowground carbon allocation differs with successional habit of two afro-montane trees. <b>2012</b> , 7, e45540		10
597	Reduced Graphene Oxide Nanosheets Functionalized with Bile Salts as Support for Electrochemical Catalysts. <b>2012</b> , 535-537, 1467-1477		2
596	Organic nonvolatile memory devices with charge trapping multilayer graphene film. <b>2012</b> , 23, 105202		67
595	A simple way of improving graphite nanoplatelets (GNP) for their incorporation into a polymer matrix. <b>2012</b> , 6, 142-147		20
594	An Improved Method to Increase the Concentration of Graphene in Organic Solvent. <b>2012</b> , 41, 747-749		8
593	Electronics and optoelectronics of two-dimensional transition metal dichalcogenides. <b>2012</b> , 7, 699-712		10871
592	Methods of graphite exfoliation. <b>2012</b> , 22, 24992		389
591	Chapter 3:Electrically Conductive Polymer/Graphene Composites Prepared Using Latex Technology. <b>2012</b> , 66-85		2

590	Synthesis and characterization of nanocomposites of thermoplastic polyurethane with both graphene and graphene nanoribbon fillers. <b>2012</b> , 53, 4019-4024		33
589	Preparation, characterization and fundamental studies on graphenes by liquid-phase processing of graphite. <b>2012</b> , 536, S450-S455		14
588	A process-analysis microsystem based on density gradient centrifugation and its application in the study of the galvanic replacement mechanism of Ag nanoplates with H <sub>2</sub> AuCl <sub>4</sub> . <b>2012</b> , 48, 7241-3		25
587	Graphene arrested in laponite-water colloidal glass. <i>Langmuir</i> , <b>2012</b> , 28, 4009-15	4	29
586	Charge-Driven Selective Adsorption of Sodium Dodecyl Sulfate on Graphene Oxide Visualized by Atomic Force Microscopy. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 20080-20085	3.8	21
585	Centrifugal Shape Sorting of Faceted Gold Nanoparticles Using an Atomic Plane-Selective Surfactant. <i>Journal of Physical Chemistry Letters</i> , <b>2012</b> , 3, 1484-7	6.4	7
584	Thermal properties of graphene and multilayer graphene: Applications in thermal interface materials. <b>2012</b> , 152, 1331-1340		578
583	Versatile Grafting Approaches to Functionalizing Individually Dispersed Graphene Nanosheets Using RAFT Polymerization and Click Chemistry. <b>2012</b> , 24, 2987-2997		124
582	Archimedes' principle gets updated. <b>2012</b> , 65, 15-17		6
581	Fabricating graphene supercapacitors: highlighting the impact of surfactants and moieties. <b>2012</b> , 48, 1425-7		77
580	What buoyancy really is. A generalized Archimedes' principle for sedimentation and ultracentrifugation. <b>2012</b> , 8, 7112		29
579	Graphene quantum dots derived from carbon fibers. <i>Nano Letters</i> , <b>2012</b> , 12, 844-9	11.5	1779
578	Number of graphene layers exhibiting an influence on oxidation of DNA bases: analytical parameters. <b>2012</b> , 711, 29-31		19
577	Dual-frequency ultrasound for designing two dimensional catalyst surface: Reduced graphene oxide/Pt composite. <b>2012</b> , 409, 81-87		28
576	Effect of defects on fracture strength of graphene sheets. <b>2012</b> , 54, 236-239		183
575	Surfactants show both large positive and negative effects on observed electron transfer rates at thermally reduced graphenes. <b>2012</b> , 22, 105-108		14
574	Synthesis, Characterization, and Biomedical Applications of Graphene. <b>2012</b> ,		
573	Electrochemical preparation of luminescent graphene quantum dots from multiwalled carbon nanotubes. <b>2012</b> , 18, 12522-8		278

572	High-throughput arrays for rapid characterization of solution-processable transparent conducting electrodes. <b>2012</b> , 8, 3746-51	7
571	The production of concentrated dispersions of few-layer graphene by the direct exfoliation of graphite in organosilanes. <b>2012</b> , 7, 674	27
570	Direct exfoliation of graphite with a porphyrin--creating functionalizable nanographene hybrids. <b>2012</b> , 48, 8745-7	51
569	Solution-processed graphene materials and composites. <b>2012</b> , 37, 1167-1175	16
568	Graphene and Its Synthesis. <b>2012</b> , 415-438	5
567	Graphene exfoliation in organic solvents and switching solubility in aqueous media with the aid of amphiphilic block copolymers. <b>2012</b> , 22, 21507	70
566	Functionalization of graphene: covalent and non-covalent approaches, derivatives and applications. <b>2012</b> , 112, 6156-214	3041
565	The dependence of the optoelectrical properties of silver nanowire networks on nanowire length and diameter. <b>2012</b> , 23, 185201	107
564	Role of Solubility Parameters in Understanding the Steric Stabilization of Exfoliated Two-Dimensional Nanosheets by Adsorbed Polymers. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 11393-11400	171
563	Ionic liquid-stabilized graphene and its use in immobilizing a metal nanocatalyst. <b>2012</b> , 2, 8189	29
562	Dispersions of non-covalently functionalized graphene with minimal stabilizer. <b>2012</b> , 6, 8857-67	291
561	Coarse-grained molecular simulation of self-assembly for nonionic surfactants on graphene nanostructures. <b>2012</b> , 116, 12048-56	42
560	Production and processing of graphene and 2d crystals. <b>2012</b> , 15, 564-589	745
559	Graphene electroanalysis: inhibitory effects in the stripping voltammetry of cadmium with surfactant free graphene. <b>2012</b> , 137, 420-3	13
558	High-throughput, direct exfoliation of graphite to graphene via a cooperation of supercritical CO <sub>2</sub> and pyrene-polymers. <b>2012</b> , 2, 10632	46
557	Chemistry and physics of a single atomic layer: strategies and challenges for functionalization of graphene and graphene-based materials. <i>Chemical Society Reviews</i> , <b>2012</b> , 41, 97-114	58.5 432
556	Controlled, Stepwise Reduction and Band Gap Manipulation of Graphene Oxide. <i>Journal of Physical Chemistry Letters</i> , <b>2012</b> , 3, 986-91	6.4 314
555	Universal ultrafast sandpaper assisting rubbing method for room temperature fabrication of two-dimensional nanosheets directly on flexible polymer substrate. <b>2012</b> , 101, 073113	17



554	Synthesis of graphene and derivatives. <b>2012</b> , 2, 105-127		3
553	High-yield, large-scale production of few-layer graphene flakes within seconds: using chlorosulfonic acid and H <sub>2</sub> O <sub>2</sub> as exfoliating agents. <b>2012</b> , 22, 8775		79
552	Thermal properties of the hybrid graphene-metal nano-micro-composites: Applications in thermal interface materials. <b>2012</b> , 100, 073113		297
551	Graphene-multilayer graphene nanocomposites as highly efficient thermal interface materials. <i>Nano Letters</i> , <b>2012</b> , 12, 861-7	11.5	1053
550	X-ray absorption spectroscopy by full-field X-ray microscopy of a thin graphite flake: Imaging and electronic structure via the carbon K-edge. <b>2012</b> , 3, 345-50		19
549	Synthesis and characterization of graphene-containing thermoresponsive nanocomposite hydrogels of poly(N-vinylcaprolactam) prepared by frontal polymerization. <b>2012</b> , 50, 4110-4118		55
548	Structure and morphology of charged graphene platelets in solution by small-angle neutron scattering. <b>2012</b> , 134, 8302-5		53
547	Non-covalent functionalization of pristine few-layer graphene using triphenylene derivatives for conductive poly (vinyl alcohol) composites. <b>2012</b> , 53, 2485-2494		92
546	Inkjet-printed graphene electronics. <b>2012</b> , 6, 2992-3006		864
545	. <b>2012</b> , 100, 1486-1517		649
544	Towards Rationally Designed Graphene-Based Materials and Devices. <b>2012</b> , 213, 1091-1100		19
543	Flexible gigahertz transistors derived from solution-based single-layer graphene. <i>Nano Letters</i> , <b>2012</b> , 12, 1184-8	11.5	117
542	Understanding surfactant/graphene interactions using a graphene field effect transistor: relating molecular structure to hysteresis and carrier mobility. <i>Langmuir</i> , <b>2012</b> , 28, 8579-86	4	46
541	High strength composite fibres from polyester filled with nanotubes and graphene. <b>2012</b> , 22, 12907		40
540	Graphene electrochemistry: fundamental concepts through to prominent applications. <i>Chemical Society Reviews</i> , <b>2012</b> , 41, 6944-76	58.5	497
539	Greener Electrochemical Synthesis of High Quality Graphene Nanosheets Directly from Pencil and its SPR Sensing Application. <b>2012</b> , 22, 2352-2362		116
538	Die chemische Synthese von Nanographen, Graphen-Nanobildern und Graphen-Schichten. <b>2012</b> , 124, 7758-7773		130
537	From nanographene and graphene nanoribbons to graphene sheets: chemical synthesis. <b>2012</b> , 51, 7640-54		614

536	Highly concentrated aqueous dispersions of graphene exfoliated by sodium taurodeoxycholate: dispersion behavior and potential application as a catalyst support for the oxygen-reduction reaction. <b>2012</b> , 18, 6972-8	69
535	Preparation and photophysical and photoelectrochemical properties of a covalently fixed porphyrin-chemically converted graphene composite. <b>2012</b> , 18, 4250-7	50
534	Exfoliation and dispersion of graphene in ethanol-water mixtures. <b>2012</b> , 6, 176-182	45
533	Size selection of dispersed, exfoliated graphene flakes by controlled centrifugation. <b>2012</b> , 50, 470-475	240
532	Polymer-stabilized graphene dispersions at high concentrations in organic solvents for composite production. <b>2012</b> , 50, 526-534	233
531	A simple route towards high-concentration surfactant-free graphene dispersions. <b>2012</b> , 50, 3113-3116	42
530	Lateral size selection of surfactant-stabilised graphene flakes using size exclusion chromatography. <b>2012</b> , 531, 169-172	19
529	pH dependent stability of aqueous suspensions of graphene with adsorbed weakly ionisable cationic polyelectrolyte. <b>2012</b> , 369, 210-5	31
528	Surfactants used for dispersion of graphenes exhibit strong influence on electrochemical impedance spectroscopic response. <b>2012</b> , 16, 19-21	15
527	A single-stage functionalization and exfoliation method for the production of graphene in water: stepwise construction of 2D-nanostructured composites with iron oxide nanoparticles. <i>Nanoscale</i> , <b>2013</b> , 5, 9073-80	7.7 14
526	Separation of graphene oxide by density gradient centrifugation and study on their morphology-dependent electrochemical properties. <b>2013</b> , 703, 135-145	20
525	Nanoparticles as macromolecules. <b>2013</b> , 51, 1195-1208	29
524	Role of deoxy group on the high concentration of graphene in surfactant/water media. <b>2013</b> , 3, 2369	44
523	Solution-processable exfoliated zeolite nanosheets purified by density gradient centrifugation. <b>2013</b> , 59, 3458-3467	68
522	Applications of Nanomaterials in Sensors and Diagnostics. <b>2013</b> ,	24
521	Preparation of high-quality graphene sheets and their applications in highly conductive papers and a high-performance electromechanical actuator. <b>2013</b> , 1, 5970	18
520	Direct exfoliation of graphite using a non-ionic polymer surfactant for fabrication of transparent and conductive graphene films. <b>2013</b> , 1, 1870	57
519	From graphite to graphene: direct liquid-phase exfoliation of graphite to produce single- and few-layered pristine graphene. <b>2013</b> , 1, 10592	222

518	Graphene nanoparticles as pseudostationary phase for the electrokinetic separation of nonsteroidal anti-inflammatory drugs. <b>2013</b> , 34, 2561-7		14
517	Synthesis of superior dispersions of reduced graphene oxide. <b>2013</b> , 37, 2778		18
516	A Technique To Pretreat Graphite Which Allows the Rapid Dispersion of Defect-Free Graphene in Solvents at High Concentration. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 19212-19218	3.8	46
515	Microwave absorption properties of pyrolytic carbon nanofilm. <b>2013</b> , 8, 60		21
514	Wide range thickness effect of hole-collecting buffer layers for polymer:fullerene solar cells. <b>2013</b> , 14, 2889-2895		4
513	Bottom-up assembly of nano-carbon devices by dielectrophoresis. <b>2013</b> , 250, 2505-2517		7
512	Ultrasonication Induces Oxygenated Species and Defects onto Exfoliated Graphene. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 23272-23278	3.8	103
511	Redox-Mediated Synthesis of Functionalised Graphene: A Strategy towards 2D Multifunctional Electrocatalysts for Energy Conversion Applications. <b>2013</b> , 78, 1296-1303		6
510	Molecular Simulation of Electrolyte-Induced Interfacial Interaction between SDS/Graphene Assemblies. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 23216-23223	3.8	25
509	Enhanced microwave shielding effectiveness of ultrathin pyrolytic carbon films. <b>2013</b> , 103, 073117		35
508	Transport and electromagnetic properties of ultrathin pyrolytic carbon films. <b>2013</b> , 7, 073595		1
507	A new route toward graphene nanosheet/polyaniline composites using a reactive surfactant as polyaniline precursor. <i>Synthetic Metals</i> , <b>2013</b> , 184, 52-60	3.6	20
506	Dispersion stability of functionalized graphene in aqueous sodium dodecyl sulfate solutions. <i>Langmuir</i> , <b>2013</b> , 29, 14831-8	4	71
505	Liquid Exfoliation of Layered Materials. <b>2013</b> , 340, 1226419-1226419		2604
504	Aggregation and stabilization of shungite carbon nanoparticles. <b>2013</b> , 83, 2676-2685		7
503	Graphene [Properties and Characterization. <b>2013</b> , 39-82		5
502	Rheology and morphology of pristine graphene/polyacrylamide gels. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 8633-40	9.5	108
501	Chemical functionalization of exfoliated graphene. <b>2013</b> , 19, 12930-6		39

500	Optoelectronic properties of graphene thin films deposited by a Langmuir-Blodgett assembly. <i>Nanoscale</i> , <b>2013</b> , 5, 12365-74	7.7	37
499	Graphene growth by molecular beam epitaxy. <b>2013</b> , 547-557		
498	Methods for Obtaining Graphene. <b>2013</b> , 129-228		11
497	High-quality production of graphene by liquid-phase exfoliation of expanded graphite. <b>2013</b> , 137, 984-990		75
496	Carbon nanomaterials for electronics, optoelectronics, photovoltaics, and sensing. <i>Chemical Society Reviews</i> , <b>2013</b> , 42, 2824-60	58.5	941
495	Casimir effect demonstrated by Raman spectroscopy on trilayer graphene intercalated into stiff layered structures of surfactant. <b>2013</b> , 51, 134-142		3
494	Magadiite templated high surface area graphene-type carbons from metal-halide based ionic liquids. <b>2013</b> , 1, 59-62		15
493	Folic acid mediated synapic delivery of doxorubicin using biogenic gold nanoparticles anchored to biological linkers. <b>2013</b> , 1, 1361-1370		45
492	Salting-out as a scalable, in-series purification method of graphene oxides from microsheets to quantum dots. <b>2013</b> , 63, 45-53		17
491	Scaleable ultra-thin and high power density graphene electrochemical capacitor electrodes manufactured by aqueous exfoliation and spray deposition. <b>2013</b> , 52, 337-346		45
490	Critical parameters in exfoliating graphite into graphene. <b>2013</b> , 15, 4428-35		64
489	A review of fundamental properties and applications of polymer-graphene hybrid materials. <b>2013</b> , 9, 6645		105
488	Organic salt-assisted liquid-phase exfoliation of graphite to produce high-quality graphene. <b>2013</b> , 568-569, 198-201		96
487	Graphene-Based Chemical and Biosensors. <b>2013</b> , 103-141		9
486	Inkjet Printing of High Conductivity, Flexible Graphene Patterns. <i>Journal of Physical Chemistry Letters</i> , <b>2013</b> , 4, 1347-51	6.4	489
485	Graphene-based mesoporous nanocomposites of spherical shape with a 2-D layered structure. <b>2013</b> , 1, 6719		13
484	Production of High-Concentration Graphene Dispersions in Low-Boiling-Point Organic Solvents by Liquid-Phase Noncovalent Exfoliation of Graphite with a Hyperbranched Polyethylene and Formation of Graphene/Ethylene Copolymer Composites. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 10730-10742	3.8	105
483	Direct exfoliation of graphite to graphene in aqueous media with diazaperopyrenium dications. <i>Advanced Materials</i> , <b>2013</b> , 25, 2740-5	24	77

482	Highly robust silicon nanowire/graphene core-shell electrodes without polymeric binders. <i>Nanoscale</i> , <b>2013</b> , 5, 8986-91	7.7	30
481	Photoinduced charge-transfer interactions on a graphene/block copolymer electrostatically bound to tetracationic porphyrin in aqueous media. <b>2013</b> , 19, 9286-90		17
480	Sorting Nanoparticles by Centrifugal Fields in Clean Media. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 13217-13229	3.8	66
479	Scalable, printable, surfactant-free graphene ink directly from graphite. <b>2013</b> , 24, 205304		52
478	Volume Fraction of Graphene Platelets in Copper-Graphene Composites. <b>2013</b> , 44, 552-559		28
477	Efficient inkjet printing of graphene. <i>Advanced Materials</i> , <b>2013</b> , 25, 3985-92	24	375
476	One-step synthesis of graphene via catalyst-free gas-phase hydrocarbon detonation. <b>2013</b> , 24, 245602		38
475	Synthesis of Fluorinated Graphene Oxide and its Amphiphobic Properties. <b>2013</b> , 30, 266-272		93
474	Measuring the lateral size of liquid-exfoliated nanosheets with dynamic light scattering. <b>2013</b> , 24, 265703		177
473	Salt-assisted direct exfoliation of graphite into high-quality, large-size, few-layer graphene sheets. <i>Nanoscale</i> , <b>2013</b> , 5, 7202-8	7.7	77
472	Templating sub-10 nm atomic layer deposited oxide nanostructures on graphene via one-dimensional organic self-assembled monolayers. <i>Nano Letters</i> , <b>2013</b> , 13, 5763-70	11.5	36
471	High yield production and purification of few layer graphene by gum arabic assisted physical sonication. <b>2013</b> , 3, 1378		144
470	Solvated graphenes: an emerging class of functional soft materials. <i>Advanced Materials</i> , <b>2013</b> , 25, 13-30	24	192
469	Spontaneous intercalation of long-chain alkyl ammonium into edge-selectively oxidized graphite to efficiently produce high-quality graphene. <b>2013</b> , 3, 2636		35
468	Effect of the Structure and Morphology of Natural, Synthetic and Post-processed Graphites on Their Dispersibility and Electronic Properties. <b>2013</b> , 21, 804-823		16
467	A comparative study of economical separation and aggregation properties of biologically capped and thiol functionalized gold nanoparticles: selecting the eco-friendly trojan horses for biological applications. <b>2013</b> , 109, 25-31		12
466	Effects of solution chemistry on the transport of graphene oxide in saturated porous media. <b>2013</b> , 47, 4255-61		131
465	Energetics of graphene flakes. <b>2013</b> , 111, 3289-3296		5

464	Elongational flow mixing for manufacturing of graphite nanoplatelet/polystyrene composites. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 128, 2679-2686	2.9	17
463	Liquid exfoliation of defect-free graphene. <b>2013</b> , 46, 14-22		720
462	Carbon Nanotubes and Graphene. <b>2013</b> , 76-127		
461	Noncovalent functionalization of graphene in suspension. <b>2013</b> , 2013, 656185		
460	. <b>2013</b> ,		
459	The evolution of Raman spectrum of graphene with the thickness of SiO <sub>2</sub> capping layer on Si substrate. <b>2013</b> , 103, 213103		27
458	On the general concept of buoyancy in sedimentation and ultracentrifugation. <b>2013</b> , 10, 045005		12
457	Fabrication of Highly Transparent Nanowire Transistors with One-Step-Processed Graphene GateSourceDrain Electrodes. <b>2013</b> , 6, 055103		2
456	Exfoliation of Layered Octosilicate by Simple Cation Exchange with Didecyldimethylammonium Ions. <b>2013</b> , 42, 80-82		23
455	Resolving oxide surfaces ¶From point and line defects to complex network structures. <b>2013</b> , 250, 895-921		8
454	Transparent Electrodes From Graphene/Single Wall Carbon Nanotube Composites. <b>2013</b> ,		
453	. <b>2014</b> ,		2
452	Metallic and Passive Components. <b>2014</b> , 63-110		
451	Electrical characterization of graphene-like films at microscopic and macroscopic scale. <b>2014</b> ,		2
450	Effects of Stone-Wales and vacancy defects in atomic-scale friction on defective graphite. <b>2014</b> , 104, 183109		29
449	Comprehensive study of graphene grown by chemical vapor deposition. <b>2014</b> , 25, 4333-4338		5
448	Harnessing the Liquid-Phase Exfoliation of Graphene Using Aliphatic Compounds: A Supramolecular Approach. <b>2014</b> , 126, 10523-10529		25
447	Features of the integration of graphenes in microelectronic technology. <b>2014</b> , 43, 477-482		1

446	Enhanced green fluorescent protein-mediated synthesis of biocompatible graphene. <b>2014</b> , 12, 41	53
445	Non-Covalent Functionalization of Graphene and Multiwalled Carbon Nanotubes Composites for Transparent Conductive Films. <b>2014</b> , 602-603, 921-925	
444	Introduction to Graphene. <b>2014</b> , 1-22	2
443	2. Synthesis, characterisation and properties of graphene. <b>2014</b> ,	
442	Synthesis and characterization of graphene and carbon nanotubes: A review on the past and recent developments. <b>2014</b> , 20, 1171-1185	248
441	Dispersion of CaCO <sub>3</sub> nanoparticles by sonication and surfactant treatment for application in fly ash/dement systems. <b>2014</b> , 47, 1011-1023	78
440	A direct route towards preparing pH-sensitive graphene nanosheets with anti-cancer activity. <b>2014</b> , 4, 4085-4093	29
439	A review of graphene and graphene oxide sponge: material synthesis and applications to energy and the environment. <b>2014</b> , 7, 1564	860
438	Adsorption of phenanthrene on multilayer graphene as affected by surfactant and exfoliation. <b>2014</b> , 48, 331-9	88
437	Molecular-scale investigations of structures and surface charge distribution of surfactant aggregates by three-dimensional force mapping. <b>2014</b> , 140, 054704	16
436	Surfactant-free exfoliation of graphite in aqueous solutions. <b>2014</b> , 50, 2751-4	44
435	Graphene oxide-based transparent conductive films. <b>2014</b> , 64, 200-247	219
434	Interactions between graphene sheets and ionic molecules used for the shear-assisted exfoliation of natural graphite. <b>2014</b> , 68, 195-209	23
433	Conductive nanomaterials for printed electronics. <b>2014</b> , 10, 3515-35	576
432	Graphene dispersions. <b>2014</b> , 19, 163-174	107
431	3D mesoporous hybrid NiCo <sub>2</sub> O <sub>4</sub> @graphene nanoarchitectures as electrode materials for supercapacitors with enhanced performances. <b>2014</b> , 2, 8103-8109	81
430	25th anniversary article: carbon nanotube- and graphene-based transparent conductive films for optoelectronic devices. <i>Advanced Materials</i> , <b>2014</b> , 26, 1958-91	24 310
429	Effect of size variation on the cathodoluminescence characteristics of graphene quantum dots. <b>2014</b> , 14, S111-S114	3

428	Inkjet deposition of liquid-exfoliated graphene and MoS <sub>2</sub> nanosheets for printed device applications. <b>2014</b> , 2, 925-932	217
427	Electrochemical determination of estradiol using a thin film containing reduced graphene oxide and dihexadecylphosphate. <b>2014</b> , 37, 14-9	47
426	Characterization of carbon nanotube dispersions in solutions of bile salts and derivatives containing aromatic substituents. <b>2014</b> , 118, 1012-21	32
425	Production of Molybdenum Trioxide Nanosheets by Liquid Exfoliation and Their Application in High-Performance Supercapacitors. <b>2014</b> , 26, 1751-1763	231
424	High-yield graphene production by electrochemical exfoliation of graphite: Novel ionic liquid (IL) acetone nitrile electrolyte with low IL content. <b>2014</b> , 71, 58-69	79
423	Chemie an Graphen und Graphenoxid – Eine Herausforderung für Synthesechemiker. <b>2014</b> , 126, 7852-7872	61
422	Thickness sorting of two-dimensional transition metal dichalcogenides via copolymer-assisted density gradient ultracentrifugation. <b>2014</b> , 5, 5478	95
421	Advancement in liquid exfoliation of graphite through simultaneously oxidizing and ultrasonication. <b>2014</b> , 2, 20382-20392	19
420	Toward a green way for the chemical production of supported graphenes using porous solids. <b>2014</b> , 2, 2009-2017	24
419	Solution plasma exfoliation of graphene flakes from graphite electrodes. <b>2014</b> , 4, 51758-51765	42
418	Designer stabilizer for preparation of pristine graphene/polysiloxane films and networks. <i>Nanoscale</i> , <b>2014</b> , 6, 11722-31	7-7 13
417	Aqueous graphene dispersions-optical properties and stimuli-responsive phase transfer. <b>2014</b> , 8, 11191-205	56
416	Optimised exfoliation conditions enhance isolation and solubility of grafted graphenes from graphite intercalation compounds. <b>2014</b> , 2, 15022	33
415	A few-layer graphene-graphene oxide composite containing nanodiamonds as metal-free catalysts. <b>2014</b> , 2, 11349-11357	58
414	Effective production of nano-sized graphene via straight-forward exfoliation of microcrystalline graphite. <b>2014</b> , 4, 45885-45889	8
413	Electrolyte-induced reorganization of SDS self-assembly on graphene: a molecular simulation study. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 5789-97	9.5 12
412	Highly dispersed graphene ribbons produced from ZnO core-shell nanorods and their use as a filler in polyimide composites. <b>2014</b> , 4, 41204-41211	9
411	Inkjet-printed highly conductive transparent patterns with water based Ag-doped graphene. <b>2014</b> , 2, 19095-19101	53



410	Graphene in the aquatic environment: adsorption, dispersion, toxicity and transformation. <b>2014</b> , 48, 9995-10002	266
409	Chemical control of graphene architecture: tailoring shape and properties. <b>2014</b> , 8, 9733-54	89
408	Harnessing the liquid-phase exfoliation of graphene using aliphatic compounds: a supramolecular approach. <b>2014</b> , 53, 10355-61	82
407	Electronics based on two-dimensional materials. <b>2014</b> , 9, 768-79	1953
406	Solution processing of graphene, topological insulators and other 2d crystals for ultrafast photonics. <b>2014</b> , 4, 63	164
405	Poly(vinyl alcohol) reinforced and toughened with poly(dopamine)-treated graphene oxide, and its use for humidity sensing. <b>2014</b> , 8, 6739-47	166
404	Molecular simulation of self-assembly structure and interfacial interaction for SDBS adsorption on graphene. <b>2014</b> , 462, 82-89	26
403	Double-stranded DNA-graphene hybrid: preparation and anti-proliferative activity. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 3347-56	9.5 23
402	Unrolling multi-walled carbon nanotubes with ionic liquids: application as fillers in epoxy-based nanocomposites. <b>2014</b> , 4, 43436-43443	10
401	Electrochemistry of graphene and related materials. <b>2014</b> , 114, 7150-88	802
400	Single layer graphene Hall sensors for scanning Hall probe microscopy (SHPM) in 300K temperature range. <i>Applied Surface Science</i> , <b>2014</b> , 308, 414-418	6.7 14
399	Chemistry with graphene and graphene oxide-challenges for synthetic chemists. <b>2014</b> , 53, 7720-38	605
398	Edge-functionalized graphene nanoflakes as selective gas sensors. <b>2014</b> , 202, 622-630	38
397	The Handbook of Graphene Electrochemistry. <b>2014</b> ,	123
396	From Ordered to Vitreous Oxide Films. <b>2014</b> , 641-690	
395	Engineered 2D nanomaterials-protein interfaces for efficient sensors. <b>2015</b> , 30, 3565-3574	8
394	Review of the Green Synthesis of Metal/Graphene Composites for Energy Conversion, Sensor, Environmental, and Bioelectronic Applications. <b>2015</b> , 427-465	2
393	Janus-type Ruthenium Complex Bearing Both Phosphonic Acids and Pyrene Groups for Functionalization of ITO and HOPG Surfaces. <b>2015</b> , 44, 160-162	4

392	Graphene as Transparent Electrodes for Solar Cells. <b>2015</b> , 249-280	3
391	Direct synthesis of Cu <sub>2</sub> O-RGO nanocomposite on Cu foil by thermal evaporation method and its field emission study. <b>2015</b> ,	1
390	A Kinetic Model for Exfoliation Kinetics of Layered Materials. <b>2015</b> , 127, 10396-10400	2
389	A Facile Approach for the Synthesis of ZnO@C Core@Shell Hexagonal Nanorods and their Conversion to Carbon Nanotubes. <i>Bulletin of the Korean Chemical Society</i> , <b>2015</b> , 36, 2298-2306	1.2 3
388	Decoration of Hydrophobic Graphene Nanosheets with Iron Phosphate Based Materials in an Aqueous Solution. <b>2015</b> , 2, 2048-2054	
387	A Kinetic Model for Exfoliation Kinetics of Layered Materials. <b>2015</b> , 54, 10258-62	22
386	Recent Progress in the Growth and Applications of Graphene as a Smart Material: A Review. <b>2015</b> , 2,	63
385	In situ imaging and control of layer-by-layer femtosecond laser thinning of graphene. <b>2015</b> ,	
384	. <b>2015</b> ,	13
383	Molecular simulation perspective of liquid-phase exfoliation, dispersion, and stabilization for graphene. <b>2015</b> , 20, 339-345	16
382	A manufacturing perspective on graphene dispersions. <b>2015</b> , 20, 367-382	249
381	Preparation of Graphene Nano-Layer by Chemical Graphitization of Graphite Oxide from Exfoliation and Preliminary Reduction. <b>2015</b> , 23, 742-749	20
380	Size separation of graphene oxide using preparative free-flow electrophoresis. <b>2015</b> , 38, 157-63	16
379	Role of residual polymer on chemical vapor grown graphene by Raman spectroscopy. <b>2015</b> , 86, 318-324	36
378	Simulation of graphene nanoribbon aggregation and its mediation by edge decoration. <b>2015</b> , 119, 4766-76	5
377	"Soft" confinement of graphene in hydrogel matrixes. <b>2015</b> , 119, 2051-61	18
376	Nonlinear subharmonic oscillation of orthotropic graphene-matrix composite. <b>2015</b> , 99, 164-172	9
375	Fundamental of Graphene. <b>2015</b> , 1-48	5

374	An effective non-covalent grafting approach to functionalize individually dispersed reduced graphene oxide sheets with high grafting density, solubility and electrical conductivity. <i>Nanoscale</i> , <b>2015</b> , 7, 3548-57	7-7	57
373	In situ imaging and control of layer-by-layer femtosecond laser thinning of graphene. <i>Nanoscale</i> , <b>2015</b> , 7, 3651-9	7-7	30
372	Large-Scale Production of Size-Controlled MoS <sub>2</sub> Nanosheets by Shear Exfoliation. <b>2015</b> , 27, 1129-1139		310
371	Polysaccharide-assisted rapid exfoliation of graphite platelets into high quality water-dispersible graphene sheets. <b>2015</b> , 5, 26482-26490		50
370	Optimizing the optical and electrical properties of graphene ink thin films by laser-annealing. <b>2015</b> , 2, 011003		22
369	Step-Edge-Guided Nucleation and Growth of Aligned WSe <sub>2</sub> on Sapphire via a Layer-over-Layer Growth Mode. <b>2015</b> , 9, 8368-75		130
368	Polymer nanoparticles as a tool for the exfoliation of graphene sheets. <b>2015</b> , 158, 186-189		27
367	Graphene for Transparent Conductors. <b>2015</b> ,		29
366	Promotional effect of the electron donating functional groups on the gas sensing properties of graphene nanoflakes. <b>2015</b> , 5, 54535-54543		18
365	Tailoring the interface in graphene/thermoset polymer composites: A critical review. <b>2015</b> , 70, A17-A34		67
364	Reverse-Micelle-Induced Exfoliation of Graphite into Graphene Nanosheets with Assistance of Supercritical CO <sub>2</sub> . <b>2015</b> , 27, 3262-3272		66
363	Preparation of novel silicon/nitrogen-doped graphene composite nanosheets by DC arc discharge. <b>2015</b> , 5, 29230-29237		9
362	Sodium-Ion Intercalated Transparent Conductors with Printed Reduced Graphene Oxide Networks. <i>Nano Letters</i> , <b>2015</b> , 15, 3763-9	11,5	41
361	Solution processed graphene/silicon Schottky junction solar cells. <b>2015</b> , 5, 38851-38858		14
360	Solvent exfoliation of electronic-grade, two-dimensional black phosphorus. <b>2015</b> , 9, 3596-604		561
359	Electron Donating Chlorophyll-a on Graphene: A Way toward Tuning Fermi Velocity in an Extended Molecular Framework of Graphene/Chlorophyll-a Nanohybrid. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 6939-6946	3,8	8
358	Preparation of high-quality graphene with a large-size by sonication-free liquid-phase exfoliation of graphite with a new mechanism. <b>2015</b> , 5, 44783-44791		23
357	Separation of colloidal two dimensional materials by density gradient ultracentrifugation. <b>2015</b> , 224, 120-126		4

356	Recent development in 2D materials beyond graphene. <b>2015</b> , 73, 44-126		842
355	Scalable and high-yield production of exfoliated graphene sheets in water and its application to an all-solid-state supercapacitor. <b>2015</b> , 90, 16-24		54
354	Preparation of Gallium Sulfide Nanosheets by Liquid Exfoliation and Their Application As Hydrogen Evolution Catalysts. <b>2015</b> , 27, 3483-3493		144
353	Magnetically-functionalized self-aligning graphene fillers for high-efficiency thermal management applications. <b>2015</b> , 88, 214-221		141
352	Liquid exfoliation of solvent-stabilized few-layer black phosphorus for applications beyond electronics. <b>2015</b> , 6, 8563		764
351	Surfactant mediated liquid phase exfoliation of graphene. <b>2015</b> , 2, 20		95
350	Interaction Between Graphene Oxide Nanoparticles and Quartz Sand. <b>2015</b> , 49, 13413-21		80
349	Synthesis, Structure, and Properties of Graphene and Graphene Oxide. <b>2015</b> , 29-94		16
348	Exfoliation of graphene via wet chemical routes. <i>Synthetic Metals</i> , <b>2015</b> , 210, 123-132	3.6	100
347	Bile salts and derivatives: Rigid unconventional amphiphiles as dispersants, carriers and superstructure building blocks. <b>2015</b> , 20, 170-182		76
346	Solution-Processed Dielectrics Based on Thickness-Sorted Two-Dimensional Hexagonal Boron Nitride Nanosheets. <i>Nano Letters</i> , <b>2015</b> , 15, 7029-36	11.5	78
345	Versatile Wafer-Scale Technique for the Formation of Ultrasoft and Thickness-Controlled Graphene Oxide Films Based on Very Large Flakes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 21270-7		10
344	Ink-jet printing of graphene for flexible electronics: An environmentally-friendly approach. <b>2015</b> , 224, 53-63		162
343	Fast Production of High-Quality Graphene via Sequential Liquid Exfoliation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 27027-30	9.5	23
342	Liquid-phase exfoliation of graphite for mass production of pristine few-layer graphene. <b>2015</b> , 20, 311-321		79
341	Chirality-dependent densities of carbon nanotubes by in situ 2D fluorescence-excitation and Raman characterisation in a density gradient after ultracentrifugation. <i>Nanoscale</i> , <b>2015</b> , 7, 20015-24	7.7	8
340	A supramolecular strategy to leverage the liquid-phase exfoliation of graphene in the presence of surfactants: unraveling the role of the length of fatty acids. <b>2015</b> , 11, 1691-702		76
339	Understanding the Stabilization of Single-Walled Carbon Nanotubes and Graphene in Ionic Surfactant Aqueous Solutions: Large-Scale Coarse-Grained Molecular Dynamics Simulation-Assisted DLVO Theory. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 1047-1060	3.8	41

338	Recent advances in chemical modifications of graphene. <b>2015</b> , 8, 1039-1074		154
337	Lignin-assisted direct exfoliation of graphite to graphene in aqueous media and its application in polymer composites. <b>2015</b> , 83, 188-197		108
336	Graphene nanoribbons formed by a sonochemical graphene unzipping using flavin mononucleotide as a template. <b>2015</b> , 81, 629-638		34
335	Emerging applications of graphene and its derivatives in carbon capture and conversion: Current status and future prospects. <i>Renewable and Sustainable Energy Reviews</i> , <b>2015</b> , 41, 1515-1545	16.2	45
334	Determination of the lateral dimension of graphene oxide nanosheets using analytical ultracentrifugation. <b>2015</b> , 11, 814-25		47
333	Science and technology roadmap for graphene, related two-dimensional crystals, and hybrid systems. <i>Nanoscale</i> , <b>2015</b> , 7, 4598-810	7.7	2015
332	. <b>2016</b> ,		66
331	2D-Crystal-Based Functional Inks. <i>Advanced Materials</i> , <b>2016</b> , 28, 6136-66	24	315
330	Lösungsprozessierte MoS <sub>2</sub> -Nanoplättchen: Herstellung, Hybridisierung und Anwendungen. <b>2016</b> , 128, 8960-8984		51
329	Non-covalent Exfoliation of Graphite to Produce Graphene. <b>2016</b> , 413-429		
328	Solution-Processed Two-Dimensional MoS <sub>2</sub> Nanosheets: Preparation, Hybridization, and Applications. <b>2016</b> , 55, 8816-38		447
327	Effect of Concentration of Surfactant on the Exfoliation of Graphite to Graphene in Aqueous Media. <b>2016</b> , 6, 14		13
326	2D materials advances: from large scale synthesis and controlled heterostructures to improved characterization techniques, defects and applications. <b>2016</b> , 3, 042001		297
325	Toward Rationally Designed Graphene-Based Materials and Devices. <b>2016</b> , 53-67		
324	Characterizing the Effect of Salt and Surfactant Concentration on the Counterion Atmosphere around Surfactant Stabilized SWCNTs Using Analytical Ultracentrifugation. <i>Langmuir</i> , <b>2016</b> , 32, 3926-36	4	16
323	Interaction of graphene-related materials with human intestinal cells: an in vitro approach. <i>Nanoscale</i> , <b>2016</b> , 8, 8749-60	7.7	31
322	Molybdenum Trioxide Dihydrate-Graphene Composite for Electrochemical Detection of Thiourea Molecule. <b>2016</b> , 11, 1650036		4
321	Stable aqueous dispersions of optically and electronically active phosphorene. <b>2016</b> , 113, 11688-11693		179

320	A sedimentation study of graphene oxide in aqueous solution using gradient differential centrifugation. <b>2016</b> , 18, 12312-22		13
319	Recent advances in flexible organic light-emitting diodes. <b>2016</b> , 4, 9116-9142		201
318	In situ polymerization of a novel surfactant on a graphene surface for the stable dispersion of graphene in water. <b>2016</b> , 6, 88244-88247		4
317	Graphene Oxide-Based Composite Materials. <b>2016</b> , 314-363		7
316	Graphene nanosheet/silicone composite with enhanced thermal conductivity and its application in heat dissipation of high-power light-emitting diodes. <b>2016</b> , 16, 1695-1702		22
315	Distinguishing Self-Assembled Pyrene Structures from Exfoliated Graphene. <i>Langmuir</i> , <b>2016</b> , 32, 10699-10704	10	
314	Layer-by-Layer Sorting of Rhenium Disulfide via High-Density Isopycnic Density Gradient Ultracentrifugation. <i>Nano Letters</i> , <b>2016</b> , 16, 7216-7223	11.5	44
313	Synthesis and Bio-Compatibility Study of Thermal-CVD Grown Graphene. <b>2016</b> , 15, 1660016		1
312	Hydrothermal synthesis of cobalt oxide porous nanoribbons anchored with reduced graphene oxide for hydrogen peroxide detection. <i>Journal of Nanoparticle Research</i> , <b>2016</b> , 18, 1	2.3	19
311	Universal Parameter Optimization of Density Gradient Ultracentrifugation Using CdSe Nanoparticles as Tracing Agents. <b>2016</b> , 88, 8495-501		8
310	Biomolecule-assisted exfoliation and dispersion of graphene and other two-dimensional materials: a review of recent progress and applications. <i>Nanoscale</i> , <b>2016</b> , 8, 15389-413	7.7	105
309	Chemical and Optical Aspects of Supported Graphene. <b>2016</b> , 381-394		1
308	Bondonic Electronic Properties of 2D Graphenic Lattices with Structural Defects. <b>2016</b> , 55-79		3
307	Electronic Properties and Transport in Finite-Size Two-Dimensional Carbons. <b>2016</b> , 91-103		1
306	Challenges in Liquid-Phase Exfoliation, Processing, and Assembly of Pristine Graphene. <i>Advanced Materials</i> , <b>2016</b> , 28, 8796-8818	24	97
305	In Situ Exfoliation of Graphene in Epoxy Resins: A Facile Strategy to Efficient and Large Scale Graphene Nanocomposites. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 24112-22	9.5	46
304	Identification and Optimization of Carbon Radicals on Hydrated Graphene Oxide for Ubiquitous Antibacterial Coatings. <b>2016</b> , 10, 10966-10980		127
303	Graphene reflux: improving the yield of liquid-exfoliated nanosheets through repeated separation techniques. <b>2016</b> , 27, 505601		3

302	Relating the optical absorption coefficient of nanosheet dispersions to the intrinsic monolayer absorption. <b>2016</b> , 107, 733-738	27
301	Fluid dynamics: an emerging route for the scalable production of graphene in the last five years. <b>2016</b> , 6, 72525-72536	32
300	Atomic-Scale Exfoliation and Adhesion of Nanocarbon. <b>2016</b> , 133-142	2
299	Fabrication and Applications of Biocompatible Graphene Oxide and Graphene. <b>2016</b> , 143-150	5
298	Synthesis of Reduced Graphene Oxide Obtained from Multiwalled Carbon Nanotubes and Its Electrocatalytic Properties. <b>2016</b> , 223-244	
297	Synthesis Strategies for Graphene. <b>2016</b> , 73-114	
296	Physical properties of low-dimensional sp <sup>2</sup> -based carbon nanostructures. <b>2016</b> , 88,	127
295	Graphene Synthesis. <b>2016</b> , 19-61	2
294	Graphene Synthesis. <b>2016</b> , 43-80	
293	Preparation of Liquid-exfoliated Transition Metal Dichalcogenide Nanosheets with Controlled Size and Thickness: A State of the Art Protocol. <b>2016</b> ,	14
292	Production of Two-Dimensional Nanomaterials via Liquid-Based Direct Exfoliation. <b>2016</b> , 12, 272-93	339
291	Efficient and Scalable Production of 2D Material Dispersions using Hexahydroxytriphenylene as a Versatile Exfoliant and Dispersant. <b>2016</b> , 17, 1557-67	17
290	Prospects of Supercritical Fluids in Realizing Graphene-Based Functional Materials. <i>Advanced Materials</i> , <b>2016</b> , 28, 2663-91	24 54
289	The effect of surfactants and their concentration on the liquid exfoliation of graphene. <b>2016</b> , 6, 56705-56710	71
288	Production of Ni(OH) <sub>2</sub> nanosheets by liquid phase exfoliation: from optical properties to electrochemical applications. <b>2016</b> , 4, 11046-11059	60
287	Optical response and gas sequestration properties of metal cluster supported graphene nanoflakes. <b>2016</b> , 18, 18811-27	21
286	Size Control Methods and Size-Dependent Properties of Graphene. <b>2016</b> , 27-40	
285	Characterization and simulation of liquid phase exfoliated graphene-based films for heat spreading applications. <b>2016</b> , 106, 195-201	26

284	Coarse-grained molecular simulation of self-assembly nanostructures of CTAB on nanoscale graphene. <b>2016</b> , 42, 31-38		10
283	Graphene-philic surfactants for nanocomposites in latex technology. <b>2016</b> , 230, 54-69		28
282	Liquid Exfoliated Graphene: A Practical Method for Increasing Loading and Producing Thin Films. <b>2016</b> , 5, P36-P40		5
281	Photodegradation of dispersants in colloidal suspensions of pristine graphene. <b>2016</b> , 466, 425-31		5
280	Synthesis of graphene. <b>2016</b> , 6, 65-83		332
279	Facile synthesis of graphene sheets decorated nanoparticles and flammability of their polymer nanocomposites. <b>2016</b> , 126, 65-74		47
278	Direct electrodeposition of well dispersed electrochemical reduction graphene oxide assembled with nickel oxide nanocomposite and its improved electrocatalytic activity toward 2, 4, 6-Trinitrophenol. <b>2016</b> , 192, 512-520		20
277	Graphene-based materials with tailored nanostructures for energy conversion and storage. <b>2016</b> , 102, 1-72		189
276	Liquid-phase exfoliation of flaky graphite. <b>2016</b> , 10, 012525		16
275	Facile synthesis of graphene using a biological method. <b>2016</b> , 6, 17158-17162		16
274	Graphene-based large area dye-sensitized solar cell modules. <i>Nanoscale</i> , <b>2016</b> , 8, 5368-78	7.7	114
273	Spectroscopic metrics allow in situ measurement of mean size and thickness of liquid-exfoliated few-layer graphene nanosheets. <i>Nanoscale</i> , <b>2016</b> , 8, 4311-23	7.7	142
272	Engineering of graphene/epoxy nanocomposites with improved distribution of graphene nanosheets for advanced piezo-resistive mechanical sensing. <b>2016</b> , 4, 3422-3430		48
271	Fractionation of graphene oxide single nano-sheets in water-glycerol solutions using gradient centrifugation. <b>2016</b> , 103, 363-371		18
270	The green reduction of graphene oxide. <b>2016</b> , 6, 27807-27828		159
269	Review on the graphene based optical fiber chemical and biological sensors. <b>2016</b> , 231, 324-340		192
268	Binder-free graphene as an advanced anode for lithium batteries. <b>2016</b> , 4, 6886-6895		67
267	Production of Highly Monolayer Enriched Dispersions of Liquid-Exfoliated Nanosheets by Liquid Cascade Centrifugation. <b>2016</b> , 10, 1589-601		271



266	Direct exfoliation of graphite into graphene in aqueous solutions of amphiphilic peptides. <b>2016</b> , 4, 152-161	34
265	Graphite Nanosheets: Thermal Treatment Synthesis and Characterization. <b>2016</b> , 46, 877-882	3
264	Efficient strategy of chlorine-assisted liquid-phase exfoliation of graphite. <b>2017</b> , 52, 3786-3793	5
263	Transparent Ag@Au-graphene patterns with conductive stability via inkjet printing. <b>2017</b> , 5, 2800-2806	28
262	Less defective fluorine-containing graphene with good dispersity: Preparation, characterization, and application in transparent conductive thin film. <b>2017</b> , 115, 285-292	9
261	Facile and Scalable Synthesis Method for High-Quality Few-Layer Graphene through Solution-Based Exfoliation of Graphite. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 4548-4557	9.5 17
260	Toward Green Synthesis of Graphene Oxide Using Recycled Sulfuric Acid via Couette-Taylor Flow. <b>2017</b> , 2, 186-192	13
259	Solution-Based Processing of Monodisperse Two-Dimensional Nanomaterials. <b>2017</b> , 50, 943-951	131
258	State of the art and recent advances in the ultrasound-assisted synthesis, exfoliation and functionalization of graphene derivatives. <b>2017</b> , 39, 478-493	107
257	Perylene tetracarboxylate surfactant assisted liquid phase exfoliation of graphite into graphene nanosheets with facile re-dispersibility in aqueous/organic polar solvents. <b>2017</b> , 119, 555-568	58
256	High-Power Graphene-Carbon Nanotube Hybrid Supercapacitors. <b>2017</b> , 3, 436-446	30
255	High-concentration shear-exfoliated colloidal dispersion of surfactant-polymer-stabilized few-layer graphene sheets. <b>2017</b> , 52, 8321-8337	32
254	Structure-Based Selective Adsorption of Graphene on a Gel Surface: Toward Improving the Quality of Graphene Nanosheets. <i>Langmuir</i> , <b>2017</b> , 33, 5406-5411	4 6
253	Black tea assisted exfoliation using a kitchen mixer allowing one-step production of graphene. <b>2017</b> , 4, 075607	16
252	Few layered MoO <sub>3</sub> nano sheets-SWCNT composite thin film as supercapacitor electrode. <b>2017</b> ,	4
251	Conductive graphene coatings synthesized from graphenide solutions. <b>2017</b> , 121, 217-225	7
250	Fabrication of 3D structures from graphene-based biocomposites. <b>2017</b> , 5, 3462-3482	25
249	Quantum size confinement in gallium selenide nanosheets: band gap tunability versus stability limitation. <b>2017</b> , 28, 175701	18

248	In situ preparation of graphene-ZnO composites for enhanced graphite exfoliation and graphene-nylon-6 composite films. <i>Journal of Applied Polymer Science</i> , <b>2017</b> , 134, 45034	2.9	3
247	Convenient approach to making nanocomposites based on a chitosan/poly(vinyl pyrrolidone) polymer matrix and a graphene nanofiller. <i>Journal of Applied Polymer Science</i> , <b>2017</b> , 134, 45038	2.9	2
246	A Survey of Graphene-Based Field Effect Transistors for Bio-sensing. <b>2017</b> , 165-200		2
245	Direct growth of graphene on rigid and flexible substrates: progress, applications, and challenges. <i>Chemical Society Reviews</i> , <b>2017</b> , 46, 6276-6300	58.5	58
244	Investigation of electrochemical-based exfoliation of graphene with the aid of stabilizer. <b>2017</b> ,		
243	Probing Graphene/Surfactant Interactions in Aqueous Dispersions with Nuclear Overhauser Effect NMR Spectroscopy and Molecular Dynamics Simulations. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 16637-16643	3.8	43
242	Graphene oxide and DNA aptamer based sub-nanomolar potassium detecting optical nanosensor. <b>2017</b> , 28, 325502		13
241	Reinforced polystyrene via solvent-exfoliated graphene. <i>Polymer International</i> , <b>2017</b> , 66, 1827-1833	3.3	3
240	In situ preparation of silver nanoparticles decorated graphene conductive ink for inkjet printing. <b>2017</b> , 28, 15411-15417		14
239	Liquid Exfoliation Few-Layer SnSe Nanosheets with Tunable Band Gap. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 17530-17537	3.8	60
238	Preparation of graphene via liquid-phase exfoliation with high gravity technology from edge-oxidized graphite. <b>2017</b> , 531, 25-31		12
237	Microwave-Assisted Rapid Exfoliation of Graphite into Graphene by Using Ammonium Bicarbonate as the Intercalation Agent. <b>2017</b> , 56, 9341-9346		38
236	Liquid phase exfoliated graphene for electronic applications. <b>2017</b> , 4, 095017		8
235	Size separation of mechanically exfoliated graphene sheets by electrophoresis. <b>2017</b> , 258, 793-799		11
234	High-efficiency exfoliation of large-area mono-layer graphene oxide with controlled dimension. <b>2017</b> , 7, 16414		22
233	Graphene. <i>Springer Handbooks</i> , <b>2017</b> , 363-391	1.3	2
232	Flexible diodes for radio frequency (RF) electronics: a materials perspective. <b>2017</b> , 32, 123002		43
231	Application of graphene from exfoliation in kitchen mixer allows mechanical reinforcement of PVA/graphene film. <b>2017</b> , 7, 317-324		17

230	General overview of graphene: Production, properties and application in polymer composites. <b>2017</b> , 215, 9-28	210
229	Assembly and Electronic Applications of Colloidal Nanomaterials. <i>Advanced Materials</i> , <b>2017</b> , 29, 1603895-24	78
228	Scalable exfoliation and dispersion of two-dimensional materials - an update. <b>2017</b> , 19, 921-960	214
227	Guidelines for Exfoliation, Characterization and Processing of Layered Materials Produced by Liquid Exfoliation. <b>2017</b> , 29, 243-255	282
226	Photodetectors Based on Two-Dimensional Layered Materials Beyond Graphene. <b>2017</b> , 27, 1603886	406
225	Understanding the colloidal dispersion stability of 1D and 2D materials: Perspectives from molecular simulations and theoretical modeling. <b>2017</b> , 244, 36-53	28
224	Carbon-ZnO core-shell nanospheres: Facile fabrication and application in the visible-light photocatalytic decomposition of organic pollutant dyes. <b>2017</b> , 185, 73-82	18
223	5. Chemical Functionalization of Graphene Family Members. <b>2017</b> ,	1
222	Numerical Investigation of the Fracture Mechanism of Defective Graphene Sheets. <b>2017</b> , 10,	13
221	Chemical Functionalization of Graphene Family Members. <b>2017</b> , 2,	9
220	Spectroscopic Size and Thickness Metrics for Liquid-Exfoliated h-BN. <b>2018</b> , 30, 1998-2005	43
219	Graphene analogues in aquatic environments and porous media: dispersion, aggregation, deposition and transformation. <b>2018</b> , 5, 1298-1340	57
218	Sepiolite-carbon nanocomposites doped with Pd as improving catalysts for hydrodechlorination processes. <b>2018</b> , 161, 132-138	9
217	Functional inks and printing of two-dimensional materials. <i>Chemical Society Reviews</i> , <b>2018</b> , 47, 3265-3300	268
216	Towards scale-up of graphene production via nonoxidizing liquid exfoliation methods. <b>2018</b> , 64, 3246-3276	23
215	2D Nanomaterial Arrays for Electronics and Optoelectronics. <b>2018</b> , 28, 1706559	80
214	Transfer-free, lithography-free, and micrometer-precision patterning of CVD graphene on SiO <sub>2</sub> toward all-carbon electronics. <b>2018</b> , 6, 026802	8
213	A novel dual-graphite aluminum-ion battery. <b>2018</b> , 12, 119-127	61

212	Comparing the effect of different surfactants on the aggregation and electrical contact properties of graphene nanoplatelets. <b>2018</b> , 12, 163-167	6
211	Density gradient ultracentrifugation for colloidal nanostructures separation and investigation. <b>2018</b> , 63, 645-662	27
210	A review on liquid-phase exfoliation for scalable production of pure graphene, wrinkled, crumpled and functionalized graphene and challenges. <b>2018</b> , 8, 40-71	102
209	Study of the Gemini Surfactants' Self-Assembly on Graphene Nanosheets: Insights from Molecular Dynamic Simulation. <b>2018</b> , 122, 3873-3885	9
208	Anhydrous Liquid-Phase Exfoliation of Pristine Electrochemically Active GeS Nanosheets. <b>2018</b> , 30, 2245-2250	26
207	Exfoliation and Decoration of Graphene Sheets with Silver Nanoparticles and Their Antibacterial Properties. <b>2018</b> , 26, 1072-1077	24
206	Graphene-based optical fiber ammonia gas sensor. <b>2018</b> , 46, 12-27	13
205	Preparation of pristine graphene in ethanol assisted by organic salts for nonenzymatic detection of hydrogen peroxide. <b>2018</b> , 510, 103-110	28
204	Applications of Phosphorene and Black Phosphorus in Energy Conversion and Storage Devices. <b>2018</b> , 8, 1702093	272
203	A biosupramolecular approach to graphene: Complementary nucleotide-nucleobase combinations as enhanced stabilizers towards aqueous-phase exfoliation and functional graphene-nucleotide hydrogels. <b>2018</b> , 129, 321-334	4
202	Photoluminescence and electrochemical investigation of curcumin-reduced graphene oxide sheets. <b>2018</b> , 15, 351-357	9
201	A spin crossover (SCO) active graphene-iron(ii) complex hybrid material. <b>2018</b> , 47, 35-40	19
200	THE ROLE OF PRESSURE TO QUANTIFY THE DEFECTS AND ITS EFFECT ON THE MORPHOLOGY OF GRAPHENE LAYERS. <b>2018</b> , 25, 1850055	1
199	Controlled p-type substitutional doping in large-area monolayer WSe crystals grown by chemical vapor deposition. <i>Nanoscale</i> , <b>2018</b> , 10, 21374-21385	7-7 38
198	Direct Growth of Graphene on Flexible Substrates toward Flexible Electronics: A Promising Perspective. <b>2018</b> ,	2
197	. <b>2018</b> ,	2
196	Liquid-Phase Exfoliation of Graphene: An Overview on Exfoliation Media, Techniques, and Challenges. <i>Nanomaterials</i> , <b>2018</b> , 8,	5-4 133
195	Graphene, related two-dimensional crystals and hybrid systems for printed and wearable electronics. <b>2018</b> , 23, 73-96	71

194	MoS Quantum Dot/Graphene Hybrids for Advanced Interface Engineering of a CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Perovskite Solar Cell with an Efficiency of over 20. <b>2018</b> , 12, 10736-10754		138
193	Graphene Applications in Advanced Thermal Management. <b>2018</b> , 823-865		
192	Printing 2D Materials. <b>2018</b> , 131-205		4
191	Facile synthesis of multi-layer graphene by electrochemical exfoliation using organic solvent. <b>2018</b> , 7, 497-508		17
190	Synergistic Effect in Moisture Sensing of Nylon-6 Polymer Films through Molecular-Level Interfacial Interactions of Amide Linkages in the Presence of Graphene. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 24672-24683	3.8	2
189	Decoration of graphite nanoplatelets with Nb <sub>2</sub> O <sub>5</sub> deposited by radio frequency sputtering. <b>2018</b> , 89, 206-217		1
188	Exfoliation of crystals. <b>2018</b> , 87, 882-903		4
187	Emerging trends in 2D nanotechnology that are redefining our understanding of Nanocomposites <b>2018</b> , 21, 18-40		47
186	Bending Rigidity of 2D Silica. <b>2018</b> , 120, 226101		11
185	Sweet graphene: exfoliation of graphite and preparation of glucose-graphene cocrystals through mechanochemical treatments. <b>2018</b> , 20, 3581-3592		37
184	Transfer-free, lithography-free and fast growth of patterned CVD graphene directly on insulators by using sacrificial metal catalyst. <b>2018</b> , 29, 365301		15
183	Nanomorphological investigation of graphite surface after cryo-ultrasonication in liquid nitrogen by atomic force microscopy. <b>2018</b> , 13, 546-551		2
182	Size-Dependent Physical and Electrochemical Properties of Two-Dimensional MXene Flakes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 24491-24498	9.5	150
181	Bilayer-rich graphene suspension from electrochemical exfoliation of graphite. <b>2018</b> , 156, 62-70		19
180	Nanoseparation Using Density Gradient Ultracentrifugation. <b>2018</b> ,		0
179	Density Gradient Ultracentrifugation of Colloidal Nanostructures. <b>2018</b> , 79-94		
178	Density Gradient Ultracentrifugation Technique. <b>2018</b> , 37-58		
177	A facile and clean process for exfoliating MoS <sub>2</sub> nanosheets assisted by a surface active agent in aqueous solution. <b>2018</b> , 29, 425702		10

176	Graphene-based nanomaterials for solar cells. <b>2018</b> , 127-152		2
175	Recent Developments Concerning the Dispersion Methods and Mechanisms of Graphene. <b>2018</b> , 8, 33		68
174	High-yield graphene produced from the synergistic effect of inflated temperature and gelatin offers high stability and cellular compatibility. <b>2018</b> , 20, 20096-20107		4
173	High-yield production of 2D crystals by wet-jet milling. <b>2018</b> , 5, 890-904		92
172	Toward high production of graphene flakes   A review on recent developments in their synthesis methods and scalability. <b>2018</b> , 6, 15010-15026		46
171	Facile tool for green synthesis of graphene sheets and their smart free-standing UV protective film. <i>Applied Surface Science</i> , <b>2018</b> , 458, 425-430	6.7	26
170	A Deformable and Highly Robust Ethyl Cellulose Transparent Conductor with a Scalable Silver Nanowires Bundle Micromesh. <i>Advanced Materials</i> , <b>2018</b> , 30, e1802803	24	64
169	Molecular Beam Epitaxy of Graphene and Hexagonal Boron Nitride. <b>2018</b> , 487-513		1
168	Size distribution of trilayer graphene flakes obtained by electrochemical exfoliation of graphite: Effect of the synthesis parameters. <b>2018</b> , 220, 87-97		8
167	Assessing and Mitigating the Hazard Potential of Two-Dimensional Materials. <b>2018</b> , 12, 6360-6377		56
166	Recent Advances in the Solution-Based Preparation of Two-Dimensional Layered Transition Metal Chalcogenide Nanostructures. <b>2018</b> , 118, 6151-6188		127
165	Applications of Printed 2D Materials. <b>2019</b> , 179-216		1
164	Printing of Graphene and Related 2D Materials. <b>2019</b> ,		18
163	2D Material Production Methods. <b>2019</b> , 53-101		2
162	Ethylcellulose assisted exfoliation of graphite by the ultrasound emulsification: An application in electrochemical acebutolol sensor. <b>2019</b> , 59, 104720		13
161	Recent progress in the synthesis of graphene and derived materials for next generation electrodes of high performance lithium ion batteries. <b>2019</b> , 75, 100786		247
160	Synthesis Methods For 2D Nanostructured Materials, Nanoparticles (NPs), Nanotubes (NTs) and Nanowires (NWs). <i>Advanced Structured Materials</i> , <b>2019</b> , 393-456	0.6	1
159	Mixed solvent exfoliated transition metal oxides nanosheets based flexible solid state supercapacitor devices endowed with high energy density. <b>2019</b> , 43, 12385-12395		23

158	Study on mechanical & thermal properties of PCL blended graphene biocomposites. <b>2019</b> , 29,		11
157	Synthesis, Properties, and Applications of Graphene. <b>2019</b> , 25-90		7
156	Thermally Healable and Recyclable Graphene-Nanoplate/Epoxy Composites Via an In-Situ Diels-Alder Reaction on the Graphene-Nanoplate Surface. <b>2019</b> , 11,		5
155	Graphene Functionalization Strategies. <i>Carbon Nanostructures</i> , <b>2019</b> ,	0.6	2
154	State-of-the-art advancements in studies and applications of graphene: a comprehensive review. <b>2019</b> , 6, 100026		5
153	Interfacial crosslinked controlled thickness graphene oxide thin-films through dip-assisted layer-by-layer assembly means. <b>2019</b> , 137, 105345		1
152	Polymer/Graphene Nanomaterials: A Platform for Current High-Tech Applications. <b>2019</b> , 455-469		1
151	The Hydrophobicity of Doped Graphene by the Fourth Group Elements of the Periodic Table: Theoretical and Computational Studies. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 24837-24845	3.8	2
150	A review on exfoliation, characterization, environmental and energy applications of graphene and graphene-based composites. <b>2019</b> , 273, 102036		41
149	Nonvolatile Memories Based on Graphene and Related 2D Materials. <i>Advanced Materials</i> , <b>2019</b> , 31, e1806663	14.6	145
148	Enhanced electrochemical biosensor and supercapacitor with 3D porous architected graphene via salt impregnated inkjet maskless lithography. <b>2019</b> , 4, 735-746		32
147	Polymer Composites: Reinforcing Fillers. <b>2019</b> , 1-72		4
146	Method of ultrasound-assisted liquid-phase exfoliation to prepare graphene. <b>2019</b> , 58, 104630		38
145	Enhanced microwave absorption properties in C band of Ni/C porous nanofibers prepared by electrospinning. <b>2019</b> , 800, 294-304		27
144	2D Elemental Nanomaterials Beyond Graphene. <b>2019</b> , 5, 1062-1091		37
143	Isolation of graphene and graphite by supercritical CO <sub>2</sub> elutriation technique: CFD simulation and experimental. <b>2019</b> , 352, 478-487		1
142	Highly concentrated and stabilizer-free transition-metal dichalcogenide dispersions in low-boiling point solvent for flexible electronics. <i>Nanoscale</i> , <b>2019</b> , 11, 10746-10755	7.7	16
141	Printed Diodes: Materials Processing, Fabrication, and Applications. <i>Advanced Science</i> , <b>2019</b> , 6, 1801653	13.6	50

140	Preparation of graphene-based compounds with improved dispersion by a two-stage production process. <b>2019</b> , 39, 368-376		1
139	Thermally Self-Healing Graphene-Nanoplate/Polyurethane Nanocomposites via Diels-Alder Reaction through a One-Shot Process. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	8
138	Metal-Catalyst-Free Growth of Patterned Graphene on SiO <sub>2</sub> Substrates by Annealing Plasma-Induced Cross-Linked Parylene for Optoelectronic Device Applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 14427-14436	9.5	5
137	2D-Organic Hybrid Heterostructures for Optoelectronic Applications. <i>Advanced Materials</i> , <b>2019</b> , 31, e1803831	24	46
136	Liquid phase exfoliation of MoO <sub>2</sub> nanosheets for lithium ion battery applications. <i>Nanoscale Advances</i> , <b>2019</b> , 1, 1560-1570	5.1	29
135	A Novel Preparation Method of Multi-Layer Graphene with High-Crystallinity Based on Liquid Exfoliation Method by Using Expandable Graphite. <b>2019</b> , 256, 1800657		1
134	Carbon-Based Nanosensor Technology. <b>2019</b> ,		3
133	Fundamentals of Fascinating Graphene Nanosheets: A Comprehensive Study. <b>2019</b> , 14, 1930003		10
132	Functional Pd/reduced graphene oxide nanocomposites: effect of reduction degree and doping in hydrodechlorination catalytic activity. <i>Journal of Nanoparticle Research</i> , <b>2019</b> , 21, 1	2.3	0
131	The Growth of Graphene on Ni-Cu Alloy Thin Films at a Low Temperature and Its Carbon Diffusion Mechanism. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	6
130	Exfoliated Graphene Sheets: Polymer Nanoparticles as a Tool and Their Anti-Proliferative Activity. <b>2019</b> , 4, 13204-13209		3
129	Stabilization of aqueous graphene dispersions utilizing a biocompatible dispersant: a molecular dynamics study. <b>2019</b> , 21, 24007-24016		7
128	Carbon-Based Photocathode Materials for Solar Hydrogen Production. <i>Advanced Materials</i> , <b>2019</b> , 31, e1801446	24	54
127	Dispersion of graphene using surfactant mixtures: Experimental and molecular dynamics simulation studies. <i>Applied Surface Science</i> , <b>2019</b> , 464, 440-450	6.7	38
126	Functionalized few-layered graphene oxide embedded in an organosiloxane matrix for applications in optical limiting. <b>2019</b> , 714, 149-155		8
125	Atmospheric Pressure Chemical Vapor Deposition of Graphene. <b>2019</b> ,		1
124	Recent progress on jet printing of oxide-based thin film transistors. <i>Journal Physics D: Applied Physics</i> , <b>2019</b> , 52, 143002	3	22
123	Ni <sub>2</sub> P Nanoflake Array/Three Dimensional Graphene Architecture as Integrated Free-Standing Anode for Boosting the Sodiation Capability and Stability. <b>2019</b> , 6, 404-412		19



122	Green synthesis of reduced graphene oxide using bagasse and its application in dye removal: A waste-to-resource supply chain. <b>2019</b> , 219, 148-154	38
121	Analysis on the effect of nanographite obtained by an ultrasound technique in polypropylene compounds. <b>2020</b> , 33, 254-269	2
120	Optimizing graphene production in ultrasonic devices. <b>2020</b> , 100, 105989	9
119	Recovery from mechanical degradation of graphene by defect enlargement. <b>2019</b> , 31, 085707	5
118	Applications of Graphene and Its Derivatives in Chemical Analysis. <b>2020</b> , 50, 445-471	15
117	Improved electrical performance and transparency of bottom-gate, bottom-contact single-walled carbon nanotube transistors using graphene source/drain electrodes. <b>2020</b> , 81, 488-495	5
116	One-pot preparation of zwitterionic graphene nanosheets with exceptional redispersibility and its application in pickering emulsions. <b>2020</b> , 157, 448-456	5
115	Hierarchical Ni <sub>2</sub> P nanosheets anchored on three-dimensional graphene as self-supported anode materials towards long-life sodium-ion batteries. <b>2020</b> , 817, 152751	14
114	Highly Conductive Graphene Electronics by Inkjet Printing. <b>2020</b> , 49, 1765-1776	9
113	Green, fast, and scalable production of reduced graphene oxide via Taylor vortex flow. <i>Chemical Engineering Journal</i> , <b>2020</b> , 391, 123482	14.7 12
112	Role of electrolyte at the interface and in the dispersion of graphene in organic solvents. <b>2020</b> , 31, 404-413	2
111	In Situ Growth of CVD Graphene Directly on Dielectric Surface toward Application. <b>2020</b> , 2, 238-246	7
110	Graphene oxide and its chemical nature: Multi-stage interactions between the oxygen and graphene. <b>2020</b> , 21, 100763	13
109	Efficient production of few-layer black phosphorus by liquid-phase exfoliation. <b>2020</b> , 7, 201210	8
108	Advancements in Therapeutics via 3D Printed Multifunctional Architectures from Dispersed 2D Nanomaterial Inks. <b>2020</b> , 16, e2004900	12
107	Microwaves heating strategy to synthesize few layer graphene for polymer composites towards thermal and electrical applications. <b>2020</b> , 200, 108402	3
106	Greener synthesis route and characterization of smart hybrid graphene based thin films. <b>2020</b> , 21, 100681	6
105	Sublethal exposure of small few-layer graphene promotes metabolic alterations in human skin cells. <b>2020</b> , 10, 18407	7

104	Surfactants: Recent advances and their applications. <b>2020</b> , 22, 100537		23
103	Recent Developments in Graphene and Graphene Oxide: Properties, Synthesis, and Modifications: A Review. <b>2020</b> , 5, 10200-10219		34
102	Bottom-up synthesis of nitrogen-doped nanocarbons by a combination of metal catalysis and a solution plasma process. <i>Nanoscale Advances</i> , <b>2020</b> , 2, 4417-4420	5.1	1
101	Controlling the Morphology of Nanoflakes Obtained by Liquid-Phase Exfoliation: Implications for the Mass Production of 2D Materials. <b>2020</b> , 3, 12095-12105		8
100	Methods to Scale Down Graphene Oxide Size and Size Implication in Anti-cancer Applications. <b>2020</b> , 8, 613280		4
99	Stable, concentrated, biocompatible, and defect-free graphene dispersions with positive charge. <i>Nanoscale</i> , <b>2020</b> , 12, 12383-12394	7.7	13
98	Stress Field Characteristics and Collective Mechanical Properties of Defective Graphene. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 7421-7431	3.8	5
97	Preparation of graphene. <b>2020</b> , 39-171		0
96	Exfoliation of 2D Materials for Energy and Environmental Applications. <b>2020</b> , 26, 6360-6401		42
95	Printable Silver Nanowire and PEDOT:PSS Nanocomposite Ink for Flexible Transparent Conducting Applications. <b>2020</b> , 2, 1000-1010		28
94	Poly(methyl methacrylate)-Assisted Exfoliation of Graphite and Its Use in Acrylonitrile-Butadiene-Styrene Composites. <b>2020</b> , 26, 6715-6725		1
93	Specifying the Effects of Functionalization of Highly Reduced Graphene Oxide by an Ionic Liquid on Supercapacitive Features. <b>2020</b> , 49, 3920-3927		1
92	Solution-processed two-dimensional materials for ultrafast fiber lasers (invited). <b>2020</b> , 9, 2169-2189		28
91	Two-Dimensional Designer Nanochannels for Controllable Ion Transport in Graphene Oxide Nanomembranes with Tunable Sheet Dimensions. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 13116-13124	19.5	14
90	Coarse grained models of graphene and graphene oxide for use in aqueous solution. <b>2020</b> , 7, 025025		6
89	The Effect of Single Vacancy Defects on Graphene Nanoresonators. <b>2020</b> , 2, 1-6		2
88	Functionalization of partially reduced graphene oxide by metal complex as electrode material in supercapacitor. <b>2020</b> , 46, 2595-2612		5
87	Efficient exfoliation of UV-curable, high-quality graphene from graphite in common low-boiling-point organic solvents with a designer hyperbranched polyethylene copolymer and their applications in electrothermal heaters. <b>2020</b> , 569, 114-127		6

86	Production and processing of graphene and related materials. <b>2020</b> , 7, 022001		179
85	Effect of residual electrolyte on dispersion stability of graphene in aqueous solution. <b>2021</b> , 25, 617-626		
84	Sand-Milling Exfoliation of Structure Controllable Graphene for Formulation of Highly Conductive and Multifunctional Graphene Inks. <b>2021</b> , 8, 2000888		5
83	Fast high-shear exfoliation of natural flake graphite with temperature control and high yield. <b>2021</b> , 174, 123-131		10
82	Solution processed Ni <sub>2</sub> Co layered double hydroxides for high performance electrochemical sensors. <i>Applied Surface Science</i> , <b>2021</b> , 541, 148270	6.7	5
81	A Tailorable Spray-Assembly Strategy of Silver Nanowires-Bundle Mesh for Transferable High-Performance Transparent Conductor. <b>2021</b> , 31, 2006120		9
80	Self-assembly of the surfactant mixtures on graphene in the presence of electrolyte: a molecular simulation study. <b>2021</b> , 27, 69-79		3
79	Advanced Carbon Materials: Base of 21st Century Scientific Innovations in Chemical, Polymer, Sensing and Energy Engineering.		1
78	Solution-processed two-dimensional materials for next-generation photovoltaics. <i>Chemical Society Reviews</i> , <b>2021</b> , 50, 11870-11965	58.5	21
77	Application of graphene in energy storage device [A review]. <i>Renewable and Sustainable Energy Reviews</i> , <b>2021</b> , 135, 110026	16.2	171
76	Production of graphene and other two-dimensional nanosheets by liquid phase exfoliation. <b>2021</b> , 251-314		
75	Iron nanoparticle surface treatment of carbon nanotubes to increase fatigue strength of steel composites. <i>Nanocomposites</i> , <b>2021</b> , 7, 132-140	3.4	1
74	Multifunctional Properties of Commercial Bile Salts for Advanced Materials Engineering. <i>Advanced Engineering Materials</i> , <b>2021</b> , 23, 2001261	3.5	6
73	Higher Ultrasonic Frequency Liquid Phase Exfoliation Leads to Larger and Monolayer to Few-Layer Flakes of 2D Layered Materials. <i>Langmuir</i> , <b>2021</b> , 37, 4504-4514	4	6
72	Liquid-Exfoliated 2D Materials for Optoelectronic Applications. <i>Advanced Science</i> , <b>2021</b> , 8, e2003864	13.6	23
71	A critical review on the production and application of graphene and graphene-based materials in anti-corrosion coatings. <i>Critical Reviews in Solid State and Materials Sciences</i> , <b>2021</b> , 1-48	10.1	17
70	Exfoliation of Quasi-Two-Dimensional Nanosheets of Metal Diborides. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 6787-6799	3.8	5
69	Impact of Pretreatment of the Bulk Starting Material on the Efficiency of Liquid Phase Exfoliation of WS. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	0

68	Graphene Directly Growth on Non-Metal Substrate from Amorphous Carbon Nano Films Without Transfer and Its Application in Photodetector. <i>Science of Advanced Materials</i> , <b>2021</b> , 13, 574-582	2.3	1
67	Applications of graphene for energy harvesting applications: Focus on mechanical synthesis routes for graphene production. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 1-30	1.6	0
66	Dopamine-assisted chemical vapour deposition of polypyrrole on graphene for flexible supercapacitor. <i>Applied Surface Science</i> , <b>2021</b> , 547, 149141	6.7	4
65	Beyond Color: The New Carbon Ink. <i>Advanced Materials</i> , <b>2021</b> , 33, e2005890	24	6
64	Preparation of novel thick sheet graphene and its effect on the properties of polyolefins with different crystallinities. <i>Polymer Bulletin</i> , 1	2.4	2
63	Independent thickness and lateral size sorting of two-dimensional materials. <i>Science China Materials</i> , <b>2021</b> , 64, 2739-2746	7.1	2
62	N-methylene phosphonic acid chitosan/graphene sheets decorated with silver nanoparticles as green antimicrobial agents. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 182, 680-688	7.9	21
61	Dependence of the polycarbonate mechanical performances on boron nitride flakes morphology. <i>JPhys Materials</i> , <b>2021</b> , 4, 045002	4.2	0
60	Recent Progress of Two-Dimensional Materials for Ultrafast Photonics. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	11
59	Fabrication of the amphiphilic hyperbranched poly(ether amine)@graphene (hPEA-AN@G) hybrid assemblies by ball milling. <i>Polymer International</i> ,	3.3	0
58	Application of supercritical fluid in the synthesis of graphene materials: a review. <i>Journal of Nanoparticle Research</i> , <b>2021</b> , 23, 1	2.3	1
57	Scalable production of concentrated graphene oxide dispersion from acidic graphite oxide within one system. <i>Chemical Engineering Science</i> , <b>2021</b> , 117143	4.4	0
56	Graphene quantum dots (GQDs) nanoarchitectonics for theranostic application in lung cancer. <i>Journal of Drug Targeting</i> , <b>2021</b> , 1-18	5.4	0
55	Electrical and electronic applications of polymer-graphene composites. <b>2022</b> , 343-377		0
54	Delocalized electrochemical exfoliation toward high-throughput fabrication of high-quality graphene. <i>Chemical Engineering Journal</i> , <b>2022</b> , 428, 131122	14.7	2
53	Graphene and water-based elastomer nanocomposites - a review. <i>Nanoscale</i> , <b>2021</b> , 13, 9505-9540	7.7	4
52	Evaluating the Exfoliation Efficiency of Quasi-2D Metal Diboride Nanosheets Using Hansen Solubility Parameters. <i>Langmuir</i> , <b>2021</b> , 37, 1194-1205	4	7
51	Transparent Molecular Adhesive Enabling Mechanically Stable ITO Thin Films. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 3463-3470	9.5	7

50	Graphene: The magic material. <b>2021</b> , 517-549		1
49	A power-triggered preparation strategy of nano-structured inorganics: sonosynthesis. <i>Nanoscale Advances</i> , <b>2021</b> , 3, 2423-2447	5.1	7
48	Synthesis and Characterization of Graphene. 85-131		9
47	Controlling and Characterizing Anisotropic Nanomaterial Dispersion. <b>2017</b> , 65-99		1
46	Graphene. <i>Springer Handbooks</i> , <b>2017</b> , 1-1	1.3	7
45	Nanoparticle Dispersions. <b>2013</b> , 729-776		1
44	Ultrasound-Assisted Synthesis, Exfoliation and Functionalisation of Graphene Derivatives. <i>Carbon Nanostructures</i> , <b>2019</b> , 63-103	0.6	2
43	Polyaniline-Graphene Nanocomposite Based Supercapacitors. <b>2020</b> ,		1
42	Sonochemically synthesized ZnO-Graphene nanohybrids and its characterization. <i>Reviews on Advanced Materials Science</i> , <b>2020</b> , 59, 176-187	4.8	5
41	2D printing technologies using graphene based materials. <i>Uspekhi Fizicheskikh Nauk</i> , <b>2017</b> , 187, 220-234	0.5	4
40	Direct Growth of Graphene at Low Temperature for Future Device Applications. <i>Journal of the Korean Ceramic Society</i> , <b>2018</b> , 55, 203-223	2.2	6
39	Synthesis of Highly Dispersed and Conductive Graphene Sheets by Exfoliation of Preheated Graphite in a Sealed Bath and its Applications to Polyimide Nanocomposites. <i>Bulletin of the Korean Chemical Society</i> , <b>2014</b> , 35, 2049-2056	1.2	8
38	Graphene. <i>Advanced Materials and Technologies</i> , <b>2013</b> , 1-46		
37	Alternative Electrodes for OSC. <b>2014</b> , 177-213		
36	Conclusions and Perspectives. <b>2015</b> , 205-213		
35	Graphene Derivatives: Carbon Nanocones and CorSu Lattice: A Topological Approach. <i>Carbon Materials</i> , <b>2016</b> , 133-146		
34	Otrzymywanie grafenu .. <b>2016</b> ,		
33	Facile Synthesis of Large Surface Area Graphene and Its Applications. <i>Advanced Structured Materials</i> , <b>2017</b> , 159-175	0.6	

32	Graphene Preparation Methods Traceability, Research Progress and Development Status. <i>Material Sciences</i> , <b>2018</b> , 08, 202-221	0.1	
31	CHAPTER 6:Graphene: Preparation and Applications. <i>RSC Smart Materials</i> , <b>2020</b> , 100-130	0.6	
30	Greener approach for fabrication of antibacterial graphene-polypyrrole nanoparticle adsorbent for removal of Mn <sup>2+</sup> from aqueous solution. <i>Synthetic Metals</i> , <b>2021</b> , 282, 116951	3.6	3
29	Multifunctional polymeric nanocomposites with graphene. <b>2022</b> , 25-44		
28	Graphene dispersed by pyrene-terminated polyethylene glycol for reinforced epoxy composites. <i>Journal of Applied Polymer Science</i> , 52110	2.9	1
27	Recent advances on graphene-based materials as cathode materials in lithium-sulfur batteries. <i>International Journal of Hydrogen Energy</i> , <b>2022</b> , 47, 8630-8657	6.7	2
26	Overview of photonic devices based on functional materials-integrated photonic crystal fibers. <i>Journal Physics D: Applied Physics</i> ,	3	0
25	Highly flexible, high-performance radio-frequency antenna based on free-standing graphene/polymer nanocomposite film. <i>Applied Surface Science</i> , <b>2022</b> , 582, 152455	6.7	2
24	Peptide-Driven Exfoliation and Dispersion Mechanisms of Graphene in Aqueous Media. <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 11945-11950	6.4	
23	Nanomechanics of self-assembled surfactants revealed by frequency-modulation atomic force microscopy.. <i>Nanoscale</i> , <b>2022</b> ,	7.7	1
22	Polyaniline-functionalized graphene composite cathode with enhanced Zn <sup>2+</sup> storage performance for aqueous zinc-ion battery. <i>Chemical Engineering Journal</i> , <b>2022</b> , 440, 135930	14.7	3
21	Synthesis of turbostratic nanoscale graphene via chamber detonation of oxygen/acetylene mixtures. <i>Nano Select</i> ,	3.1	1
20	Solvent assisted dispersion of graphene and its PVA nanocomposites coating: Processing and characterization. <i>Materials Today: Proceedings</i> , <b>2021</b> ,	1.4	
19	Green Solvents for the Liquid Phase Exfoliation Production of Graphene: The Promising Case of Cyrene.. <i>Frontiers in Chemistry</i> , <b>2022</b> , 10, 878799	5	3
18	On the interface between biomaterials and two-dimensional materials for biomedical applications.. <i>Advanced Drug Delivery Reviews</i> , <b>2022</b> , 186, 114314	18.5	0
17	Discovery of Graphene-Water Membrane Structure: Toward High-Quality Graphene Process. <i>Advanced Science</i> , 2201336	13.6	0
16	Graphite and Graphene Nanoplatelets (GNP) Filled Polymer Matrix Nanocomposites. <b>2022</b> , 1-45		
15	Two-dimensional Materials based Printed Photodetectors. <b>2022</b> , 2, 160-175		

14	In situ growth of graphene catalyzed by phase-change material at 400 oC for wafer-scale optoelectronic device application.	
13	Surfactant-mediated electrodeposition of a pseudocapacitive manganese dioxide a twofer. <b>2022</b> , 55, 105403	0
12	Synthesis of Graphene-Based Nanocomposites for Environmental Remediation Applications: A Review. <b>2022</b> , 27, 6433	2
11	All inkjet-printed electronics based on electrochemically exfoliated two-dimensional metal, semiconductor, and dielectric. <b>2022</b> , 6,	1
10	Size Selection and Size-Dependent Optoelectronic and Electrochemical Properties of 2D Titanium Carbide (Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> ) MXene. 2201457	2
9	High-Quality and Efficient Liquid-Phase Exfoliation of Few-Layered Graphene by Natural Surfactant.	2
8	Sulfonated cobalt phthalocyanine-stabilized graphene: Ultrasonic exfoliation and application in anticorrosion of aluminum. <b>2023</b> , 37, 100460	0
7	Recent Advances in Graphene-Based Nanocomposites for Ammonia Detection. <b>2022</b> , 14, 5125	0
6	In Situ Growth of Graphene Catalyzed by a Phase-Change Material at 400°C for Wafer-Scale Optoelectronic Device Application. 2206738	0
5	Systematic Design of a Graphene Ink Formulation for Aerosol Jet Printing. <b>2023</b> , 15, 3325-3335	2
4	Effects of green solvents and surfactants on the characteristics of few-layer graphene produced by dual-frequency ultrasonic liquid phase exfoliation technique. <b>2023</b> , 206, 7-15	0
3	Efficient strategies to produce Graphene and functionalized graphene materials: A review. <b>2023</b> , 14, 100386	0
2	Solution-Processed 2D Materials for Electronic Applications. <b>2023</b> , 5, 1335-1346	0
1	Highly porous copper foam coated with graphene flakes and silver nanowires to cool overheated solar air heaters. <b>2023</b> , 143, 106691	0