

# CITATION REPORT

List of articles citing

## Doping single-layer graphene with aromatic molecules

DOI: 10.1002/sml.200801711  
Small, 2009, 5, 1422-6.

**Source:** <https://exaly.com/paper-pdf/46290606/citation-report.pdf>

**Version:** 2024-04-25

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
524	CO <sub>2</sub> /Water Emulsions Stabilized by Partially Reduced Graphene Oxide.		
523	Electrochemistry of graphene: new horizons for sensing and energy storage. <b>2009</b> , 9, 211-23		516
522	Structural and electronic properties of PTCDA thin films on epitaxial graphene. <b>2009</b> , 3, 3431-6		160
521	Stable Nafion-functionalized graphene dispersions for transparent conducting films. <i>Nanotechnology</i> , <b>2009</b> , 20, 465605	3.4	58
520	Electrical and Spectroscopic Characterizations of Ultra-Large Reduced Graphene Oxide Monolayers. <b>2009</b> , 21, 5674-5680		425
519	Properties of graphene: a theoretical perspective. <b>2010</b> , 59, 261-482		827
518	Spatially resolved spontaneous reactivity of diazonium salt on edge and basal plane of graphene without surfactant and its doping effect. <i>Langmuir</i> , <b>2010</b> , 26, 12278-84	4	88
517	The chemistry of graphene. <b>2010</b> , 20, 2277		1222
516	In Situ Synthesis of Reduced Graphene Oxide and Gold Nanocomposites for Nanoelectronics and Biosensing. <b>2011</b> , 6, 60		74
515	Self-Assembled Graphene-Enzyme Hierarchical Nanostructures for Electrochemical Biosensing. <i>Advanced Functional Materials</i> , <b>2010</b> , 20, 3366-3372	15.6	242
514	Chemically derived graphene oxide: towards large-area thin-film electronics and optoelectronics. <b>2010</b> , 22, 2392-415		1818
513	Controllable synthesis of graphene and its applications. <b>2010</b> , 22, 3225-41		337
512	A graphene oxide-based molecularly imprinted polymer platform for detecting endocrine disrupting chemicals. <b>2010</b> , 48, 3427-3433		143
511	Modification of the electronic structures of graphene by viologen. <b>2010</b> , 498, 168-171		32
510	Charge-transfer with graphene and nanotubes. <b>2010</b> , 13, 34-40		118
509	Intracellular imaging with a graphene-based fluorescent probe. <i>Small</i> , <b>2010</b> , 6, 1686-92	11	243
508	Conjugated-polyelectrolyte-functionalized reduced graphene oxide with excellent solubility and stability in polar solvents. <i>Small</i> , <b>2010</b> , 6, 663-9	11	260

507	Selective chemical modification of graphene surfaces: distinction between single- and bilayer graphene. <i>Small</i> , <b>2010</b> , 6, 1125-30	11	167
506	Gating of single-layer graphene with single-stranded deoxyribonucleic acids. <i>Small</i> , <b>2010</b> , 6, 1150-5	11	48
505	Aromatic Molecules Doping in Single-Layer Graphene Probed by Raman Spectroscopy and Electrostatic Force Microscopy. <b>2010</b> , 49, 01AH04		10
504	Doping graphene by adsorption of polar molecules at the oxidized zigzag edges. <b>2010</b> , 81,		25
503	Label-free electrical detection of DNA hybridization using carbon nanotubes and graphene. <b>2010</b> , 1,		29
502	Synthesis and systematic characterization of functionalized graphene sheets generated by thermal exfoliation at low temperature. <b>2010</b> , 43, 275402		85
501	Molecular doping and subsurface dopant reactivation in si nanowires. <b>2010</b> , 10, 3590-5		34
500	Scanning tunneling microscopy, spectroscopy, and nanolithography of epitaxial graphene chemically modified with aryl moieties. <b>2010</b> , 132, 15399-403		132
499	Ultra-large single-layer graphene obtained from solution chemical reduction and its electrical properties. <b>2010</b> , 12, 2164-9		155
498	Work function engineering of graphene electrode via chemical doping. <b>2010</b> , 4, 2689-94		444
497	Single step, complementary doping of graphene. <b>2010</b> , 96, 063104		77
496	Centimeter-long and large-scale micropatterns of reduced graphene oxide films: fabrication and sensing applications. <b>2010</b> , 4, 3201-8		529
495	Layer-by-layer doping of few-layer graphene film. <b>2010</b> , 4, 4595-600		268
494	Nanoelectronic biosensors based on CVD grown graphene. <b>2010</b> , 2, 1485-8		354
493	Highly efficient restoration of graphitic structure in graphene oxide using alcohol vapors. <b>2010</b> , 4, 5285-92		227
492	Valence band of graphite oxide. <b>2010</b> , 92, 37005		55
491	TiO <sub>2</sub> -decorated graphenes as efficient photoswitches with high oxygen sensitivity. <b>2011</b> , 2, 1860		56
490	Tight binding description on the band gap opening of pyrene-dispersed graphene. <b>2011</b> , 13, 1515-20		31

489	Power Factor Enhancement for Few-Layered Graphene Films by Molecular Attachments. <b>2011</b> , 115, 1780-1785	32
488	Fabrication and Characterization of Networked Graphene Devices Based on Ultralarge Single-Layer Graphene Sheets. <b>2011</b> , 10, 467-471	3
487	Characterization and nanopatterning of organically functionalized graphene with ultrahigh vacuum scanning tunneling microscopy. <b>2011</b> , 36, 532-542	12
486	Controlled modulation of electronic properties of graphene by self-assembled monolayers on SiO <sub>2</sub> substrates. <b>2011</b> , 5, 1535-40	92
485	Localized States and resultant band bending in graphene antidot superlattices. <b>2011</b> , 11, 1254-8	44
484	High-quality graphene p-n junctions via resist-free fabrication and solution-based noncovalent functionalization. <b>2011</b> , 5, 2051-9	111
483	Quantitative Analysis of Graphene Doping by Organic Molecular Charge Transfer. <b>2011</b> , 115, 7596-7602	81
482	Direct preparation of 1-PSA modified graphene nanosheets by supercritical fluidic exfoliation and its electrochemical properties. <b>2011</b> , 21, 3462-3466	74
481	Interaction between metal and graphene: dependence on the layer number of graphene. <b>2011</b> , 5, 608-12	286
480	Molecule-substrate interaction channels of metal-phthalocyanines on graphene on Ni(111) surface. <b>2011</b> , 134, 094705	71
479	Ambipolar to unipolar conversion in graphene field-effect transistors. <b>2011</b> , 5, 3198-203	55
478	Chemically isolated graphene nanoribbons reversibly formed in fluorographene using polymer nanowire masks. <b>2011</b> , 11, 5461-4	74
477	Enhanced electrical properties of reduced graphene oxide multilayer films by in-situ insertion of a TiO <sub>2</sub> layer. <b>2011</b> , 5, 8884-91	49
476	Molecular charge-transfer interaction with single-layer graphene. <b>2011</b> , 6, 641-651	30
475	The role of chemistry in graphene doping for carbon-based electronics. <b>2011</b> , 5, 3096-103	74
474	Non-covalent doping of graphitic carbon nitride polymer with graphene: controlled electronic structure and enhanced optoelectronic conversion. <b>2011</b> , 4, 4517	371
473	Probing charge transfer at surfaces using graphene transistors. <b>2011</b> , 11, 132-7	248
472	Polymer-electrolyte gated graphene transistors for analog and digital phase detection. <b>2011</b> , 99, 043307	8

471	Synthesis of high-performance graphene nanosheets by thermal reduction of graphene oxide. <b>2011</b> , 46, 2131-2134		32
470	Work function modulation of AuCl <sub>4</sub> <sup>-</sup> molecule adsorbed on graphene: A first-principles simulation. <b>2011</b> , 516, 88-91		3
469	Tailoring Electronic Properties of Graphene by $\pi$ -Stacking with Aromatic Molecules. <b>2011</b> , 2, 2897-2905		210
468	A graphene nanoribbon network and its biosensing application. <b>2011</b> , 3, 5156-60		72
467	Stable hole doping of graphene for low electrical resistance and high optical transparency. <i>Nanotechnology</i> , <b>2011</b> , 22, 425701	3-4	145
466	Chemical doping of graphene. <b>2011</b> , 21, 3335-3345		1227
465	Raman scattering of monolayer graphene: the temperature and oxygen doping effects. <b>2011</b> , 44, 185404		34
464	Effective work function modulation of graphene/carbon nanotube composite films as transparent cathodes for organic optoelectronics. <b>2011</b> , 5, 6262-71		142
463	Chemical preparation of graphene-based nanomaterials and their applications in chemical and biological sensors. <i>Small</i> , <b>2011</b> , 7, 2413-27	11	201
462	Facile Physical Route to Highly Crystalline Graphene. <i>Advanced Functional Materials</i> , <b>2011</b> , 21, 3496-3501	15.6	84
461	Graphene Versus Carbon Nanotubes in Electronic Devices. <i>Advanced Functional Materials</i> , <b>2011</b> , 21, 3806-3826	19.8	194
460	Graphene as transparent electrode material for organic electronics. <b>2011</b> , 23, 2779-95		612
459	Graphene: Piecing it together. <b>2011</b> , 23, 4471-90		115
458	Growth of large-sized graphene thin-films by liquid precursor-based chemical vapor deposition under atmospheric pressure. <b>2011</b> , 49, 3672-3678		135
457	Electrochemical doping of graphene with toluene. <b>2011</b> , 49, 3829-3834		22
456	One-step growth of graphene/carbon nanotube hybrid materials by chemical vapor deposition. <b>2011</b> , 49, 2944-2949		162
455	Functionalized graphene as an aqueous phase chemiresistor sensing material. <b>2011</b> , 155, 154-158		38
454	Layer-dependent morphologies and charge transfer of Pd on n-layer graphenes. <b>2011</b> , 47, 9408-10		22

453	In situ doping of graphene by exfoliation in a nitrogen ambient. <b>2011</b> , 98, 113115		25
452	Graphene optoelectronics based on antidot superlattices. <b>2011</b> ,		
451	Tunable Doping in Graphene by Light-Switchable Molecules. <b>2012</b> , 116, 26102-26105		15
450	Graphene-based Schottky junction solar cells. <b>2012</b> , 22, 24224		69
449	Synthesis of a MnO <sub>2</sub> /graphene foam hybrid with controlled MnO <sub>2</sub> particle shape and its use as a supercapacitor electrode. <b>2012</b> , 50, 4865-4870		184
448	Flexible FET-type VEGF aptasensor based on nitrogen-doped graphene converted from conducting polymer. <b>2012</b> , 6, 1486-93		206
447	Hybrid structure of zinc oxide nanorods and three dimensional graphene foam for supercapacitor and electrochemical sensor applications. <b>2012</b> , 2, 4364		253
446	Layer-by-layer graphene/TCNQ stacked films as conducting anodes for organic solar cells. <b>2012</b> , 6, 5031-9		187
445	Non-Invasive High-Throughput Metrology of Functionalized Graphene Sheets. <i>Advanced Functional Materials</i> , <b>2012</b> , 22, 4519-4525	15.6	12
444	Doping-induced changes in the saturable absorption of monolayer graphene. <b>2012</b> , 108, 129-135		46
443	Femtosecond Carrier Dynamics and Saturable Absorption in Functionalized Epitaxial Graphene. <b>2012</b> , 36, 583-588		
442	Synthesis and characterization of nanocomposites based on polyaniline-gold/graphene nanosheets. <b>2012</b> , 2, 467-479		30
441	Synthesis of graphene and its application as wide-band saturable absorbers. <b>2012</b> ,		1
440	Charge dynamics and electronic structures of monolayer graphene with molecular doping. <b>2012</b> , 101, 111907		7
439	Formation of graphene oxide gel via the $\pi$ -stacked supramolecular self-assembly. <b>2012</b> , 2, 12204		51
438	Dual n-type doped reduced graphene oxide field effect transistors controlled by semiconductor nanocrystals. <b>2012</b> , 48, 4052-4		16
437	Controllable p-doping of graphene on Ir(111) by chlorination with FeCl <sub>3</sub> . <b>2012</b> , 24, 314202		23
436	n- and p-Type modulation of ZnO nanomesh coated graphene field effect transistors. <b>2012</b> , 4, 3118-22		21

435	Layer-dependent fluorination and doping of graphene via plasma treatment. <i>Nanotechnology</i> , <b>2012</b> , 23, 115706	3-4	49
434	3D graphene-cobalt oxide electrode for high-performance supercapacitor and enzymeless glucose detection. <b>2012</b> , 6, 3206-13		1371
433	Ultrasensitive flexible graphene based field-effect transistor (FET)-type bioelectronic nose. <b>2012</b> , 12, 5082-90		274
432	Nanoscale graphene oxide (nGO) as artificial receptors: implications for biomolecular interactions and sensing. <b>2012</b> , 134, 16725-33		171
431	A facile route to recover intrinsic graphene over large scale. <b>2012</b> , 6, 7781-8		68
430	Highly air-stable phosphorus-doped n-type graphene field-effect transistors. <b>2012</b> , 24, 5481-6		177
429	Synthesis, Characterization, and Selected Properties of Graphene. <b>2012</b> , 1-47		14
428	Functionalization of graphene: covalent and non-covalent approaches, derivatives and applications. <b>2012</b> , 112, 6156-214		3041
427	Graphene-enhanced Raman imaging of TiO <sub>2</sub> nanoparticles. <i>Nanotechnology</i> , <b>2012</b> , 23, 465703	3-4	49
426	Photocontrolled molecular structural transition and doping in graphene. <b>2012</b> , 6, 8878-86		54
425	Facile synthesis of Ag interlayer doped graphene by chemical vapor deposition using polystyrene as solid carbon source. <b>2012</b> , 4, 2041-7		66
424	Covalent chemistry in graphene electronics. <b>2012</b> , 15, 276-285		50
423	An improved synthesis route to graphene for molecular sensor applications. <b>2012</b> , 136, 304-308		26
422	Macroporous foam of reduced graphene oxides prepared by lyophilization. <b>2012</b> , 47, 4335-4339		16
421	Graphene-based multilayers: Critical evaluation of materials assembly techniques. <b>2012</b> , 7, 430-447		112
420	Decoupling of CVD graphene by controlled oxidation of recrystallized Cu. <b>2012</b> , 2, 3008		69
419	Stability and magnetism of tetracyanoethylene adsorbed on substitutionally doped graphene. <b>2012</b> , 111, 083713		7
418	Molecule-Substrate Coupling between Metal Phthalocyanines and Epitaxial Graphene Grown on Ru(0001) and Pt(111). <b>2012</b> , 116, 14052-14056		68

417	Water-gated charge doping of graphene induced by mica substrates. <b>2012</b> , 12, 648-54		146
416	Light-driven reversible modulation of doping in graphene. <b>2012</b> , 12, 182-7		167
415	Theoretical investigation of structural and electronic properties of [PW12O40] <sup>3-</sup> on graphene layer. <b>2012</b> , 41, 4602-7		45
414	Controlled ambipolar-to-unipolar conversion in graphene field-effect transistors through surface coating with poly(ethylene imine)/poly(ethylene glycol) films. <i>Small</i> , <b>2012</b> , 8, 59-62	11	31
413	Tuning electron transport in graphene-based field-effect devices using block co-polymers. <i>Small</i> , <b>2012</b> , 8, 1073-80	11	21
412	Biological and chemical sensors based on graphene materials. <b>2012</b> , 41, 2283-307		1384
411	Toward combining graphene and QDs: assembling CdTe QDs to exfoliated graphite and nanographene in water. <b>2012</b> , 6, 1915-24		61
410	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
409	A ZnO/N-doped carbon nanotube nanocomposite charge transport layer for high performance optoelectronics. <b>2012</b> , 22, 12695		78
408	Highly Concentrated and Conductive Reduced Graphene Oxide Nanosheets by Monovalent Cation-Interaction: Toward Printed Electronics. <i>Advanced Functional Materials</i> , <b>2012</b> , 22, 3307-3314	15.6	59
407	Optically tunable amino-functionalized graphene quantum dots. <b>2012</b> , 24, 5333-8		667
406	Tuning of n- and p-type reduced graphene oxide transistors with the same molecular backbone. <b>2012</b> , 18, 5155-9		22
405	Molecular n-doping of chemical vapor deposition grown graphene. <b>2012</b> , 22, 15168		53
404	Thickness-dependent azobenzene doping in mono- and few-layer graphene. <b>2012</b> , 50, 201-208		42
403	The electrical properties of graphene modified by bromophenyl groups derived from a diazonium compound. <b>2012</b> , 50, 1517-1522		43
402	Supercapacitor electrode based on three-dimensional graphene-polyaniline hybrid. <b>2012</b> , 134, 576-580		116
401	The surface science of graphene: Metal interfaces, CVD synthesis, nanoribbons, chemical modifications, and defects. <b>2012</b> , 67, 83-115		660
400	Effects of methane flux on structural and transport properties of CVD-grown graphene films. <b>2012</b> , 86, 895-898		25



399	Chemical functionalization of graphene and its applications. <b>2012</b> , 57, 1061-1105	1351
398	Comparative studies on single-layer reduced graphene oxide films obtained by electrochemical reduction and hydrazine vapor reduction. <b>2012</b> , 7, 161	66
397	Prospects for graphene-nanoparticle-based hybrid sensors. <b>2013</b> , 15, 12785-99	132
396	Low dimensional nanocarbons [Chemistry and energy/electron transfer reactions. <b>2013</b> , 4, 4335	93
395	Electronic properties of a graphene device with peptide adsorption: insight from simulation. <b>2013</b> , 5, 7470-7	56
394	Toward tunable doping in graphene FETs by molecular self-assembled monolayers. <b>2013</b> , 5, 9640-4	48
393	Tuning the layer-dependent doping effect of graphenes by C60. <b>2013</b> , 5, 8359-62	12
392	High-quality, highly concentrated semiconducting single-wall carbon nanotubes for use in field effect transistors and biosensors. <b>2013</b> , 7, 6831-9	80
391	Graphene electrodes transfer-printed with a surface energy-mediated wet PDMS stamp: impact of Au doped-graphene for high performance soluble oxide thin-film transistors. <b>2013</b> , 1, 5632	13
390	Strong magnetophonon resonance induced triple G-mode splitting in graphene on graphite probed by micromagneto Raman spectroscopy. <b>2013</b> , 88,	16
389	Efficient n-doping of graphene films by APPE (aminophenyl propargyl ether): a substituent effect. <b>2013</b> , 15, 18353-6	9
388	Preparation and electrical conductivity of novel vanadate borate glass system containing graphene oxide. <b>2013</b> , 376, 117-125	23
387	Modulating electronic transport properties of MoS2 field effect transistor by surface overlayers. <b>2013</b> , 103, 063109	80
386	Graphene nanoribbon thermopower as a tool for molecular spectroscopy. <b>2013</b> , 114, 153711	7
385	Graphene-based nanocomposites: preparation, functionalization, and energy and environmental applications. <b>2013</b> , 6, 3483	422
384	Rapid-thermal-annealing surface treatment for restoring the intrinsic properties of graphene field-effect transistors. <i>Nanotechnology</i> , <b>2013</b> , 24, 405301	3-4 49
383	Improving chemical vapor deposition graphene conductivity using molybdenum trioxide: An in-situ field effect transistor study. <b>2013</b> , 103, 263117	25
382	Doping suppression and mobility enhancement of graphene transistors fabricated using an adhesion promoting dry transfer process. <b>2013</b> , 103, 243504	13

381	Tuning the electronic and optical properties of graphene and boron-nitride quantum dots by molecular charge-transfer interactions: a theoretical study. <b>2013</b> , 15, 13881-7		29
380	One-pot solvothermal synthesis of ZnSe/N-GS and ZnSe/N-GS and enhanced visible-light photocatalysis. <b>2013</b> , 5, 8414-22		32
379	Properties of Graphene. <b>2013</b> , 61-127		5
378	Graphene-related nanomaterials: tuning properties by functionalization. <b>2013</b> , 5, 4541-83		524
377	Synthesis and characterization of plasmon resonant gold nanoparticles and graphene for photovoltaics. <b>2013</b> , 178, 559-567		20
376	Nitrogen-doped graphene by microwave plasma chemical vapor deposition. <b>2013</b> , 528, 269-273		34
375	Hole doping of graphene supported on Ir(111) by AlBr <sub>3</sub> . <b>2013</b> , 102, 061601		10
374	Facile assembly and properties of polystyrene microsphere/reduced graphene oxide/Ag composite. <b>2013</b> , 402, 279-83		18
373	Work-function-tuned reduced graphene oxide via direct surface functionalization as source/drain electrodes in bottom-contact organic transistors. <b>2013</b> , 25, 5856-62		82
372	Hydrazine-based n-type doping process to modulate Dirac point of graphene and its application to complementary inverter. <b>2013</b> , 14, 1586-1590		23
371	Locally altering the electronic properties of graphene by nanoscopically doping it with Rhodamine 6G. <b>2013</b> , 13, 1616-21		36
370	A simple process to prepare nitrogen-modified few-layer graphene for a supercapacitor electrode. <b>2013</b> , 57, 184-190		72
369	Graphene in light: design, synthesis and applications of photo-active graphene and graphene-like materials. <i>Small</i> , <b>2013</b> , 9, 1266-83	11	105
368	Identifying the mechanisms of p-to-n conversion in unipolar graphene field-effect transistors. <i>Nanotechnology</i> , <b>2013</b> , 24, 195202	3-4	5
367	Tuning the Dirac point in CVD-grown graphene through solution processed n-type doping with 2-(2-methoxyphenyl)-1,3-dimethyl-2,3-dihydro-1H-benzimidazole. <b>2013</b> , 13, 1890-7		120
366	A hierarchically structured composite of MnO/3D graphene foam for flexible nonenzymatic biosensors. <b>2013</b> , 1, 110-115		123
365	Noncovalent binding of xanthene and phthalocyanine dyes with graphene sheets: the effect of the molecular structure revealed by a photophysical study. <b>2013</b> , 113, 92-9		27
364	Manipulating the electronic and chemical properties of graphene via molecular functionalization. <b>2013</b> , 88, 132-159		138

363	Chemically modulated graphene diodes. <b>2013</b> , 13, 2182-8		132
362	Unique role of self-assembled monolayers in carbon nanomaterial-based field-effect transistors. <i>Small</i> , <b>2013</b> , 9, 1144-59	11	33
361	The extended growth of graphene oxide flakes using ethanol CVD. <b>2013</b> , 5, 2945-51		28
360	Dual origin of defect magnetism in graphene and its reversible switching by molecular doping. <b>2013</b> , 4, 2010		189
359	Tuning the stability of graphene layers by phthalocyanine-based oPPV oligomers towards photo- and redoxactive materials. <i>Small</i> , <b>2013</b> , 9, 2348-57	11	23
358	Selected Properties of Graphene and Carbon Nanotubes. <b>2013</b> , 119-144		
357	Substrate-induced solvent intercalation for stable graphene doping. <b>2013</b> , 7, 1155-62		46
356	Changes in major charge transport by molecular spatial orientation in graphene channel field effect transistors. <b>2013</b> , 49, 6289-91		10
355	Scalable solid-template reduction for designed reduced graphene oxide architectures. <b>2013</b> , 5, 7676-81		12
354	Charge transfer and current fluctuations in single layer graphene transistors modified by self-assembled C60 adlayers. <i>Small</i> , <b>2013</b> , 9, 2420-6	11	20
353	Formation of p <i>n</i> junction with stable p-doping in graphene field effect transistors using deep UV irradiation. <b>2013</b> , 1, 3078		37
352	Work-Function Engineering of Graphene Anode by Bis(trifluoromethanesulfonyl)amide Doping for Efficient Polymer Light-Emitting Diodes. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 5049-5055	15.6	82
351	Synthesis of High Quality Graphene Films by Atmospheric Pressure CVD and their Application in Laser Q-Switching. <b>2013</b> , 747, 514-517		1
350	Ambipolar/unipolar conversion in graphene transistors by surface doping. <b>2013</b> , 103, 193502		8
349	Doping and hysteretic switching of polymer-encapsulated graphene field effect devices. <b>2013</b> , 103, 253505		5
348	P-Type Doping of Graphene Films by Hybridization with Nickel Nanoparticles. <b>2013</b> , 52, 075101		7
347	Rendering graphene supports hydrophilic with non-covalent aromatic functionalization for transmission electron microscopy. <b>2014</b> , 104, 134103		22
346	Effects of a modular two-step ozone-water and annealing process on silicon carbide graphene. <b>2014</b> , 105, 081602		2

345	Evolution of Raman G and G <sup>?</sup> (2D) modes in folded graphene layers. <b>2014</b> , 89,		21
344	Direct Synthesis of Graphene with Tunable Work Function on Insulators via In Situ Boron Doping by Nickel-Assisted Growth. <b>2014</b> , 118, 25089-25096		17
343	N-doped graphene field-effect transistors with enhanced electron mobility and air-stability. <i>Small</i> , <b>2014</b> , 10, 1999-2005	11	65
342	Superior pseudocapacitive behavior of confined lignin nanocrystals for renewable energy-storage materials. <b>2014</b> , 7, 1094-101		116
341	Electronic and electrochemical doping of graphene by surface adsorbates. <b>2014</b> , 5, 1842-8		78
340	Atmospheric pressure route to epitaxial nitrogen-doped trilayer graphene on 4H-SiC (0001) substrate. <b>2014</b> , 105, 233111		23
339	Current-voltage modeling of graphene-based DNA sensor. <b>2014</b> , 24, 85-89		10
338	Controllable synthesis of doped graphene and its applications. <i>Small</i> , <b>2014</b> , 10, 2975-91	11	46
337	Simultaneous Etching and Doping by Cu-Stabilizing Agent for High-Performance Graphene-Based Transparent Electrodes. <b>2014</b> , 26, 2332-2336		33
336	Molecular self-assembly on graphene. <i>Small</i> , <b>2014</b> , 10, 1038-49	11	171
335	Silicene as a highly sensitive molecule sensor for NH <sub>3</sub> , NO and NO <sub>2</sub> . <b>2014</b> , 16, 6957-62		173
334	25th anniversary article: Chemically modified/doped carbon nanotubes & graphene for optimized nanostructures & nanodevices. <b>2014</b> , 26, 40-66		432
333	Functionalized graphene foam as electrode for improved electrochemical storage. <b>2014</b> , 18, 2359-2365		23
332	Scanning Tunneling and Atomic Force Microscopy Evidence for Covalent and Noncovalent Interactions between Aryl Films and Highly Ordered Pyrolytic Graphite. <b>2014</b> , 118, 5820-5826		27
331	Versatile Graphene Quantum Dots with Tunable Nitrogen Doping. <b>2014</b> , 31, 597-604		105
330	Role of 1D metallic nanowires in polydomain graphene for highly transparent conducting films. <b>2014</b> , 26, 4575-81		41
329	Orientation of a monolayer of dipolar molecules on graphene from X-ray absorption spectroscopy. <i>Langmuir</i> , <b>2014</b> , 30, 2559-65	4	26
328	Analytical prediction of liquid-gated graphene nanoscroll biosensor performance. <b>2014</b> , 4, 16153		20

327	Leveraging the ambipolar transport in polymeric field-effect transistors via blending with liquid-phase exfoliated graphene. <b>2014</b> , 26, 4814-9	25
326	GrapheneOrganic composites for electronics: optical and electronic interactions in vacuum, liquids and thin solid films. <b>2014</b> , 2, 3129	59
325	Effect of dry oxidation on the energy gap and chemical composition of CVD graphene on nickel. <b>2014</b> , 293, 1-11	22
324	Vapor-phase molecular doping of graphene for high-performance transparent electrodes. <b>2014</b> , 8, 868-74	73
323	Synthesis of S-doped mesoporous carbon fibres with ultrahigh S concentration and their application as high performance electrodes in supercapacitors. <b>2014</b> , 150, 108-113	57
322	Graphene Properties and Application. <b>2014</b> , 565-583	1
321	Giant enhancement in vertical conductivity of stacked CVD graphene sheets by self-assembled molecular layers. <b>2014</b> , 5, 5461	61
320	On the charge transfer between single-walled carbon nanotubes and graphene. <b>2014</b> , 105, 073115	19
319	Tuning the electrical properties of exfoliated graphene layers using deep ultraviolet irradiation. <b>2014</b> , 2, 5404-5410	32
318	An interleaved porous laminate composed of reduced graphene oxide sheets and carbon black spacers by in situ electrophoretic deposition. <b>2014</b> , 4, 3284-3292	44
317	APTS and rGO co-functionalized pyrenated fluorescent nanonets for representative vapor phase nitroaromatic explosive detection. <b>2014</b> , 6, 1467-73	38
316	Direct synthesis of phosphorus and nitrogen co-doped monolayer graphene with air-stable n-type characteristics. <b>2014</b> , 16, 20392-7	33
315	ElectronPhonon interaction in bulk layered graphene and its oxide in the presence of alcohols in a device: equilibrium molecular doping. <b>2014</b> , 2, 8585-8592	4
314	Electronic properties of self-assembled trimesic acid monolayer on graphene. <i>Langmuir</i> , <b>2014</b> , 30, 9707-16	44
313	Homo- and hetero- p-n junctions formed on graphene steps. <b>2014</b> , 6, 3-8	20
312	Strain engineering the properties of graphene and other two-dimensional crystals. <b>2014</b> , 16, 11124-38	162
311	Graphene field-effect transistor and its application for electronic sensing. <i>Small</i> , <b>2014</b> , 10, 4042-65	11 112
310	Doping graphene with an atomically thin two dimensional molecular layer. <b>2014</b> , 26, 8141-6	33

309	Molecular adsorption on graphene. <b>2014</b> , 26, 443001	122
308	Inverse transfer method using polymers with various functional groups for controllable graphene doping. <b>2014</b> , 8, 7968-75	23
307	A highly conducting graphene film with dual-side molecular n-doping. <b>2014</b> , 6, 9545-9	24
306	Heteroatom-doped graphene materials: syntheses, properties and applications. <b>2014</b> , 43, 7067-98	1258
305	Novel attributes in modeling and optimizing of the new graphene based In <sub>x</sub> Ga <sub>1-x</sub> N Schottky barrier solar cells. <b>2014</b> , 115, 194506	10
304	Direct laser writing of air-stable p-n junctions in graphene. <b>2014</b> , 8, 8831-6	46
303	Improving the electrical properties of graphene layers by chemical doping. <b>2014</b> , 15, 055004	40
302	Poly-4-vinylphenol and poly(melamine-co-formaldehyde)-based graphene passivation method for flexible, wearable and transparent electronics. <b>2014</b> , 6, 3830-6	17
301	Graphene-based three-dimensional hierarchical sandwich-type architecture for high performance supercapacitors. <b>2014</b> , 4, 8466-8471	38
300	In-situ monitoring of AuCl <sub>3</sub> -doping and -dedoping behaviors in graphene. <b>2014</b> , 64, 1327-1330	3
299	High-performance organic complementary inverters using monolayer graphene electrodes. <b>2014</b> , 6, 6816-24	31
298	Thermoelectric properties of unoxidized graphene/Bi <sub>2</sub> Te <sub>2.7</sub> Se <sub>0.3</sub> composites synthesized by exfoliation/re-assembly method. <b>2014</b> , 8, 357-361	9
297	Selective n-type doping in graphene via the aluminium nanoparticle decoration approach. <b>2014</b> , 2, 5417-5421	21
296	One-pot synthesis of N-doped graphene quantum dots as a fluorescent sensing platform for Fe <sup>3+</sup> ions detection. <b>2014</b> , 202, 568-573	136
295	Facile graphene n-doping by wet chemical treatment for electronic applications. <b>2014</b> , 6, 8503-8	25
294	Formation of Graphene P-N Junction Arrays Using Soft-Lithographic Patterning and Cross-Stacking. <b>2015</b> , 1098, 63-68	1
293	Flower-like Palladium Nanoclusters Decorated Graphene Electrodes for Ultrasensitive and Flexible Hydrogen Gas Sensing. <b>2015</b> , 5, 12294	65
292	Enhancement of humidity sensitivity of graphene through functionalization with polyethylenimine. <b>2015</b> , 107, 134102	24

291	Graphene as Transparent Electrodes for Solar Cells. <b>2015</b> , 249-280		3
290	HfO <sub>2</sub> dielectric thickness dependence of electrical properties in graphene field effect transistors with double conductance minima. <b>2015</b> , 118, 144301		9
289	Enhanced Reduction of Graphene Oxide on Recyclable Cu Foils to Fabricate Graphene Films with Superior Thermal Conductivity. <b>2015</b> , 5, 14260		26
288	Few-Layer Topological Insulator for All-Optical Signal Processing Using the Nonlinear Kerr Effect. <b>2015</b> , 3, 1769-1778		76
287	Photocurrent generation of a single-gate graphene p-n junction fabricated by interfacial modification. <i>Nanotechnology</i> , <b>2015</b> , 26, 385203	3-4	13
286	Density Functional Investigation of Graphene Doped with Amine-Based Organic Molecules. <b>2015</b> , 2015, 1-9		7
285	. <b>2015</b> ,		13
284	Stable and reversible doping of graphene by using KNO <sub>3</sub> solution and photo-desorption current response. <b>2015</b> , 5, 50040-50046		15
283	Functionalized graphene and other two-dimensional materials for photovoltaic devices: device design and processing. <b>2015</b> , 44, 5638-79		238
282	Engineering electrical properties of graphene: chemical approaches. <b>2015</b> , 2, 042001		37
281	Chemical functionalization of graphene with aromatic molecule. <b>2015</b> ,		1
280	Single-layer graphene doping through molecular interaction: field-effect transistor and atomic force microscopy investigations. <b>2015</b> , 1, 52-58		10
279	The interaction of iron and metal-free meso-tetra (4-sulfonatophenyl) porphines with CVD graphene: a comparative Raman spectroscopy study. <b>2015</b> , 46, 94-99		4
278	Nanostructuring graphene for controlled and reproducible functionalization. <b>2015</b> , 7, 1566-85		95
277	Effects of UV light intensity on electrochemical wet etching of SiC for the fabrication of suspended graphene. <b>2015</b> , 54, 036502		3
276	Electrografting and morphological studies of chemical vapour deposition grown graphene sheets modified by electroreduction of aryldiazonium salts. <b>2015</b> , 161, 195-204		14
275	Tuning the electronic properties of ZnO nanowire field effect transistors via surface functionalization. <i>Nanotechnology</i> , <b>2015</b> , 26, 095202	3-4	10
274	Clear manifestation of phonon anomaly in single-layer graphene by chemical p-type doping. <b>2015</b> , 48, 015304		2

273	Covalent functionalisation of graphene: novel approach to change electronic structure of graphene. <b>2015</b> , 19, 287-294	4
272	Controllable n-type doping on CVD-grown single- and double-layer graphene mixture. <b>2015</b> , 27, 1619-23	38
271	Thermal treatment and chemical doping of semi-transparent graphene films. <b>2015</b> , 18, 53-60	9
270	Moisture Barrier Composites Made of Non-Oxidized Graphene Flakes. <i>Small</i> , <b>2015</b> , 11, 3124-9	11 37
269	Molecular-Level Engineering of Adhesion in Carbon Nanomaterial Interfaces. <b>2015</b> , 15, 4504-16	21
268	Doped graphene: synthesis, properties and bioanalysis. <b>2015</b> , 5, 49521-49533	42
267	Reversible n-Type Doping of Graphene by H <sub>2</sub> O-Based Atomic-Layer Deposition and Its Doping Mechanism. <b>2015</b> , 119, 5995-6000	18
266	Hydrothermal synthesis of zinc oxide-reduced graphene oxide nanocomposites for an electrochemical hydrazine sensor. <b>2015</b> , 5, 22935-22942	98
265	Highly Stable and Tunable n-Type Graphene Field-Effect Transistors with Poly(vinyl alcohol) Films. <b>2015</b> , 7, 9702-8	21
264	Graphene quantum dots interfaced with single bacterial spore for bio-electromechanical devices: a graphene cybotob. <b>2015</b> , 5, 9138	22
263	Electrochemical characterization of electrochemically reduced graphene coatings on platinum. Electrochemical study of dye adsorption. <b>2015</b> , 166, 54-63	20
262	On-demand doping of graphene by stamping with a chemically functionalized rubber lens. <b>2015</b> , 9, 4354-61	14
261	On-surface derivatisation of aromatic molecules on graphene: the importance of packing density. <b>2015</b> , 51, 16778-81	11
260	Polymorphic, Porous, and Host-Guest Nanostructures Directed by Monolayer-Substrate Interactions: Epitaxial Self-Assembly Study of Cyclic Trinuclear Au(I) Complexes on HOPG at the Solution-Solid Interface. <b>2015</b> , 119, 24844-24858	14
259	Verification of electron doping in single-layer graphene due to H <sub>2</sub> exposure with thermoelectric power. <b>2015</b> , 106, 142110	11
258	Noncovalent Molecular Doping of Two-Dimensional Materials. <b>2015</b> , 1, 542-557	35
257	Tuning the Electronic Structure of Graphene by Molecular Dopants: Impact of the Substrate. <b>2015</b> , 7, 19134-44	27
256	Low damage pre-doping on CVD graphene/Cu using a chlorine inductively coupled plasma. <b>2015</b> , 95, 664-671	35



255	Efficient p-type doping in graphene via monolayer manganese-oxide nanoparticles decoration. <b>2015</b> , 67, 700-705		1
254	Graphene oxide and water-soluble polymer composite materials as efficient hole transporting layer for high performance organic solar cells. <b>2015</b> , 212, 376-381		11
253	Bandgap-opened bilayer graphene approached by asymmetrical intercalation of trilayer graphene. <i>Small</i> , <b>2015</b> , 11, 1177-82	11	16
252	One-step etching, doping, and adhesion-control process for graphene electrodes. <b>2015</b> , 82, 168-175		16
251	High-performance deformable photoswitches with p-doped graphene as the top window electrode. <b>2015</b> , 3, 37-40		5
250	Emerging applications of graphene and its derivatives in carbon capture and conversion: Current status and future prospects. <b>2015</b> , 41, 1515-1545		45
249	Control of doping by matrix in few-layer graphene/metal oxide composites with highly enhanced electrical conductivity. <b>2015</b> , 81, 83-90		32
248	Temperature-dependent nitrogen configuration of N-doped graphene by chemical vapor deposition. <b>2015</b> , 81, 814-820		34
247	Au doping effect on chemically-exfoliated graphene and graphene grown via chemical vapor deposition. <b>2015</b> , 82, 96-102		19
246	Molecularly engineered graphene surfaces for sensing applications: A review. <b>2015</b> , 859, 1-19		169
245	Degradation reduction and stability enhancement of p-type graphene by RhCl <sub>3</sub> doping. <b>2015</b> , 621, 1-6		22
244	Graphene processing using electron beam assisted metal deposition and masked chemical vapor deposition growth. <b>2016</b> , 34, 041230		2
243	Electrical properties of chemically doped graphene with Aluminum ions. <b>2016</b> ,		
242	Time-dependent evolution of the nitrogen configurations in N-doped graphene films. <b>2016</b> , 6, 106914-106920		74
241	White-light emission by phonon assisted coherent mixing of excitons in Au <sub>8</sub> -CdS hybrid nanorods. <i>Nanotechnology</i> , <b>2016</b> , 27, 495706	3-4	2
240	Temperature dependent carrier mobility in graphene: Effect of Pd nanoparticle functionalization and hydrogenation. <b>2016</b> , 108, 093102		10
239	Characterization of chemical doping of graphene by in-situ Raman spectroscopy. <b>2016</b> , 108, 203111		19
238	Electron localization due to side-attached molecules on graphene nanoribbons. <b>2016</b> , 120, 164310		2

237	The Effects of Substrates on 2D Crystals. <b>2016</b> , 67-113	5
236	Heavily N-doped monolayer graphene electrodes used for high-performance N-channel polymeric thin film transistors. <b>2016</b> , 6, 93855-93862	6
235	Cobalt oxide nanoparticles grown on exfoliated graphene for enhanced electrochemical performance. <b>2016</b> , 183, 56-64	8
234	Photonics of Shungite Quantum Dots. <b>2016</b> , 425-436	1
233	Molecule-Induced Conformational Change in Boron Nitride Nanosheets with Enhanced Surface Adsorption. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 8202-8210	15.6 39
232	Electronic properties of embedded graphene: doped amorphous silicon/CVD graphene heterostructures. <b>2016</b> , 28, 404001	6
231	Tunable doping of graphene by using physisorbed self-assembled networks. <b>2016</b> , 8, 20017-20026	42
230	Functional Single-Walled Carbon Nanotubes and Nanoengineered Networks for Organic- and Perovskite-Solar-Cell Applications. <b>2016</b> , 28, 9668-9685	17
229	Surface Charge Transfer Doping of Low-Dimensional Nanostructures toward High-Performance Nanodevices. <b>2016</b> , 28, 10409-10442	105
228	Stimulation of electrocatalytic oxygen reduction activity on nitrogen doped graphene through noncovalent molecular functionalisation. <b>2016</b> , 52, 10385-8	13
227	Electrophoretic Deposition of Graphene-Based Materials and Their Energy-Related Applications. <b>2016</b> , 191-204	1
226	Determining the Fermi level by absorption quenching of monolayer graphene by charge transfer doping. <b>2016</b> , 8, 18710-18717	11
225	Spontaneous and strong multi-layer graphene n-doping on soda-lime glass and its application in graphene-semiconductor junctions. <b>2016</b> , 6, 21070	18
224	Porphyrin induced changes in charge transport of graphene FET. <b>2016</b> ,	2
223	Effect of X-ray irradiation on bottom-gate monolayer graphene transistors. <b>2016</b> ,	
222	Effect of epoxy exposure on the electronic properties of graphene. <b>2016</b> , 49, 46LT02	9
221	Substrate-dependent resistance decrease of graphene by ultraviolet-ozone charge doping. <b>2016</b> , 6, 62091-62098	
220	Facile fabrication of an organic semiconductor/graphene microribbon heterojunction by self-assembly. <b>2016</b> , 6, 52878-52883	2

219 Chemical Modification of Graphene. **2016**, 207-224

218 Gate-Tunable Dirac Point of Molecular Doped Graphene. **2016**, 10, 2930-9 38

217 Moving beyond flexible to stretchable conductive electrodes using metal nanowires and graphenes. **2016**, 8, 1789-822 59

216 Chemical vapor deposition graphene transfer process to a polymeric substrate assisted by a spin coater. **2016**, 3, 035601 6

215 Layer-by-layer assembly of versatile nanoarchitectures with diverse dimensionality: a new perspective for rational construction of multilayer assemblies. **2016**, 45, 3088-121 244

214 Gas Sensitivity Study of Polypyrrole Decorated Graphene Oxide Thick Film. **2016**, 97, 47-53 8

213 Tuning Electrical Properties of Graphene with Different  $\pi$ -Stacking Organic Molecules. **2016**, 120, 4121-4129 38

212 A graphene-based affinity nanosensor for detection of low-charge and low-molecular-weight molecules. **2016**, 8, 5815-9 37

211 Effect of Amine-Based Organic Compounds on the Work-Function Decrease of Graphene. **2016**, 120, 1309-1316 7

210 Reduced graphene oxide modified platinum catalysts for the oxidation of volatile organic compounds. **2016**, 278, 203-208 25

209 Molecular assembly on two-dimensional materials. *Nanotechnology*, **2017**, 28, 082001 3-4 70

208 Facile and large-scale synthesis of high quality few-layered graphene nano-platelets via methane decomposition over unsupported iron family catalysts. **2017**, 191, 75-85 30

207 Embedding germanium in graphene: A density functional theory study. **2017**, 399, 742-750 3

206 Raman signature and phonon dispersion of atomically thin boron nitride. **2017**, 9, 3059-3067 104

205 p-Doping of graphene in hybrid materials with 3,10-diazapicenium dications. **2017**, 8, 3494-3499 4

204 A mechanistic study on the carrier properties of nitrogen-doped graphene derivatives using thermoelectric effect. **2017**, 117, 447-453 18

203 Electric field tunable electronic structure in two dimensional van der Waals g-C<sub>2</sub>N/XSe<sub>2</sub> (X = Mo, W) heterostructures. **2017**, 117, 393-398 28

202 Novel flower-like graphene foam directly grown on a nickel template by chemical vapor deposition. **2017**, 120, 103-110 26

201	Highly efficient CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> perovskite solar cells prepared by AuCl <sub>3</sub> -doped graphene transparent conducting electrodes. <b>2017</b> , 323, 153-159	42
200	Black Phosphorus Based All-Optical-Signal-Processing: Toward High Performances and Enhanced Stability. <b>2017</b> , 4, 1466-1476	152
199	Conductivity Modifications of Graphene by Electron Donative Organic Molecules. <b>2017</b> , 46, 4463-4467	1
198	Roles of nitrogen functionalities in enhancing the excitation-independent green-color photoluminescence of graphene oxide dots. <b>2017</b> , 9, 8256-8265	21
197	Tuning the plasmon resonance and work function of laser-scribed chemically doped graphene. <b>2017</b> , 120, 44-53	14
196	Probing the interfacial interaction between monolayer molybdenum disulfide and Au nanoclusters. <b>2017</b> , 49, 858-863	3
195	Graphene-based flexible electronic devices. <b>2017</b> , 118, 1-43	131
194	Programmable graphene doping via electron beam irradiation. <b>2017</b> , 9, 8657-8664	13
193	Large-area uniform electron doping of graphene by Ag nanofilm. <b>2017</b> , 7, 045209	9
192	P-232L: Late-News Poster: Workfunction Engineering of Graphene Anode by Solution Processible MoO <sub>x</sub> -doping for Efficient Polymer Light-Emitting Diodes. <b>2017</b> , 48, 2028-2030	
191	Effect of stopping-layer-assisted boron-ion implantation on the electrical properties of graphene: Interplay between strain and charge doping. <b>2017</b> , 118, 343-347	9
190	High-Performance Organic Light-Emitting Diode with Substitutionally Boron-Doped Graphene Anode. <b>2017</b> , 9, 14998-15004	35
189	Nanoconfined self-assembly on a grafted graphitic surface under electrochemical control. <b>2017</b> , 9, 362-368	12
188	Non-covalent functionalization of graphene with a hydrophilic self-limiting monolayer for macro-molecule immobilization. <b>2017</b> , 1, 52-56	9
187	Optical and electrical effects of thin reduced graphene oxide layers on textured wafer-based c-Si solar cells for enhanced performance. <b>2017</b> , 5, 1920-1934	16
186	Charge transferred doping of single layer graphene by mono-dispersed manganese-oxide nanoparticles adsorption. <b>2017</b> , 111, 153103	6
185	Enhanced electrical performance and stability of graphene- l -cysteine bioelectronic devices. <b>2017</b> , 201, 194-198	1
184	Doping graphene via organic solid-solid wetting deposition. <b>2017</b> , 125, 84-92	2

183	Molecular Epitaxy on Two-Dimensional Materials: The Interplay between Interactions. <b>2017</b> , 56, 10552-10581	22
182	High-performance metal mesh/graphene hybrid films using prime-location and metal-doped graphene. <b>2017</b> , 7, 10225	9
181	Raman and X-Ray photoelectron spectroscopic studies of graphene devices for identification of doping. <b>2017</b> , 425, 1130-1137	9
180	Low-Dimensional Carbon Allotropes: Ground- and Excited-State Charge Transfer with NIR-Absorbing Heptamethine Cyanine. <b>2017</b> , 3, 164-173	11
179	Co nanoparticles anchoring three dimensional graphene lattice as bifunctional catalyst for low-temperature CO oxidation. <b>2017</b> , 439, 118-127	26
178	Fabrication and electrical characterizations of graphene nanocomposite thin film based heterojunction diode. <b>2017</b> , 524, 97-103	11
177	Tunable electronic structure in stained two dimensional van der Waals g-C <sub>2</sub> N/XSe <sub>2</sub> (X = Mo, W) heterostructures. <b>2017</b> , 94, 148-152	7
176	Multilayer Graphene-WSe Heterostructures for WSe Transistors. <b>2017</b> , 11, 12817-12823	65
175	Effects of shape, size, and pyrene doping on electronic properties of graphene nanoflakes. <b>2017</b> , 23, 355	7
174	A simple and efficient approach to fabricate graphene/CNT hybrid transparent conductive films. <b>2017</b> , 7, 52555-52560	15
173	Chemical functionalization and characterization of graphene-based materials. <b>2017</b> , 46, 4464-4500	285
172	Atomically Thin Layers of Graphene and Hexagonal Boron Nitride Made by Solvent Exfoliation of Their Phosphoric Acid Intercalation Compounds. <b>2017</b> , 11, 6746-6754	29
171	Sensing at the Surface of Graphene Field-Effect Transistors. <b>2017</b> , 29, 1603610	148
170	Effect of carbon-layer rearrangement on one- and two-photon absorption properties in the alternative graphene-like hybrids □A theoretical investigation. <b>2017</b> , 138, 213-222	
169	Design and adjustment of the graphene work function via size, modification, defects, and doping: a first-principle theory study. <b>2017</b> , 12, 642	20
168	Synthesis of different types of carbon nanohybrid and their effects in polymer composites. <b>2018</b> , 44, 1905-1918	1
167	Revealing Strain-Induced Effects in Ultrathin Heterostructures at the Nanoscale. <b>2018</b> , 18, 2467-2474	17
166	Controllable Bipolar Doping of Graphene with 2D Molecular Dopants. <i>Small</i> , <b>2018</b> , 14, e1703697	11 2

165	Piezoelectricity in Amine Functionalized Reduced Graphene Oxide. <b>2018</b> , 5, 9876-9880		1
164	Structural and Charge Transport Properties of Molecular Tunneling Junctions with Single-Layer Graphene Electrodes. <b>2018</b> , 72, 394-399		1
163	Understanding noninvasive charge transfer doping of graphene: a comparative study. <b>2018</b> , 29, 5239-5252		8
162	One-step green hydrothermal synthesis of biocompatible graphene/TiO nanocomposites for non-enzymatic HO detection and their cytotoxicity effects on human keratinocyte and lung fibroblast cells. <b>2018</b> , 6, 1195-1206		10
161	Theoretical N K-edge NEXAFS spectroscopy study for configuration of a dipolar molecule on graphene. <b>2018</b> , 207, 309-314		6
160	A High-Performance Top-Gated Graphene Field-Effect Transistor with Excellent Flexibility Enabled by an iCVD Copolymer Gate Dielectric. <i>Small</i> , <b>2018</b> , 14, 1703035	11	8
159	Electronic and magnetic behaviors of B, N, and 3d transition metal substitutions in germanium carbide monolayer. <b>2018</b> , 451, 799-807		10
158	Identification of electrocatalytic oxygen reduction (ORR) activity of boron in graphene oxide; incorporated as a charge-adsorbate and/or substitutional p-type dopant. <b>2018</b> , 207, 380-388		7
157	Making graphene luminescent by adsorption of an amphiphilic europium complex. <b>2018</b> , 112, 173103		7
156	Ultraviolet-light-driven carrier density modulation of graphene based field effect transistors under oxygen- and argon atmosphere. <b>2018</b> , 451, 40-44		4
155	Graphene Grown on Ni Foam: Molecular Sensing, Graphene-Enhanced Raman Scattering, and Galvanic Exchange for Surface-Enhanced Raman Scattering Applications. <b>2018</b> , 122, 9152-9161		11
154	Combined molecular and periodic DFT analysis of the adsorption of co macrocycles on graphene. <b>2018</b> , 39, 130-138		4
153	Direct growth of Cu <sub>2</sub> ZnSnS <sub>4</sub> on three-dimensional porous reduced graphene oxide thin films as counter electrode with high conductivity and excellent catalytic activity for dye-sensitized solar cells. <b>2018</b> , 53, 2748-2757		13
152	Graphene/Si solar cells employing triethylenetetramine dopant and polymethylmethacrylate antireflection layer. <b>2018</b> , 433, 181-187		12
151	NMR detects molecular interactions of graphene with aromatic and aliphatic hydrocarbons in water. <b>2018</b> , 5, 015003		12
150	High Performance WSe <sub>2</sub> Transistors with Multilayer Graphene Source/Drain. <b>2018</b> ,		
149	Exfoliation of Graphene by Dendritic Water-Soluble Zinc Phthalocyanine Amphiphiles in Polar Media. <b>2018</b> , 24, 18696-18704		3
148	Immunological impact of graphene oxide sheets in the abdominal cavity is governed by surface reactivity. <b>2018</b> , 92, 3359-3379		17

147	Development of graphene capped silicon/silicon oxide core/shell nano-structure: Charge trapping characteristics at the interfaces. <b>2018</b> , 13, 370-380	8
146	Insights on porphyrin-functionalized graphene: Theoretical study of substituent and metal-center effects on adsorption. <b>2018</b> , 713, 172-179	10
145	Radiation properties of graphene-based optically transparent dipole antenna. <b>2018</b> , 60, 2992-2998	9
144	Synthesis of macroporous ZnO-graphene hybrid monoliths with potential for functional electrodes. <b>2018</b> , 87, 70-77	4
143	Thionine Self-Assembled Structures on Graphene: Formation, Organization, and Doping. <i>Langmuir</i> , <b>2018</b> , 34, 6903-6911	4 9
142	Visible light induced degradation of pollutant dyes using a self-assembled graphene oxide/molybdenum oxo-bis(dithiolene) composite. <b>2018</b> , 42, 14229-14238	5
141	Long-term stability of photodetectors based on graphene field-effect transistors encapsulated with Si <sub>3</sub> N <sub>4</sub> layers. <b>2018</b> , 459, 164-170	12
140	The effect of N-configurations on selective detection of dopamine in the presence of uric and ascorbic acids using surfactant-free N-graphene modified ITO electrodes. <b>2018</b> , 286, 29-38	19
139	Liquid coplanar-gate organic/graphene hybrid electronics for label-free detection of single and double-stranded DNA molecules. <b>2018</b> , 62, 163-167	8
138	A Library of Doped-Graphene Images via Transmission Electron Microscopy. <b>2018</b> , 4, 34	13
137	One-pot synthesis of highly fluorescent amino-functionalized graphene quantum dots for effective detection of copper ions. <b>2018</b> , 18, 1255-1260	21
136	A review of doping modulation in graphene. <b>2018</b> , 244, 36-47	98
135	Strong, Conductive, Foldable Graphene Sheets by Sequential Ionic and Bridging. <b>2018</b> , 30, e1802733	53
134	Bioinspired Supertough Graphene Fiber through Sequential Interfacial Interactions. <b>2018</b> , 12, 8901-8908	48
133	Reversible sulfuric acid doping of graphene probed by in-situ multi-wavelength Raman spectroscopy. <b>2018</b> , 138, 257-263	5
132	Single-layer graphene modulates neuronal communication and augments membrane ion currents. <b>2018</b> , 13, 755-764	78
131	Manipulation of Heteroatom Substitution on Nitrogen and Phosphorus Co-Doped Graphene as a High Active Catalyst for Hydrogen Evolution Reaction. <b>2019</b> , 123, 22202-22211	21
130	All-carbon hybrids for high-performance electronics, optoelectronics and energy storage. <b>2019</b> , 62, 1	4

129	Synthesis of in situ N-, S-, and B-doped few-layer graphene by chemical vapor deposition technique and their superior glucose electrooxidation activity. <b>2019</b> , 43, 8204	11
128	Impact of Graphene Work Function on the Electronic Structures at the Interface between Graphene and Organic Molecules. <b>2019</b> , 9,	4
127	Density functional theory study of $\pi$ - $\pi$ aromatic interaction of benzene, phenol, catechol, dopamine isolated dimers and adsorbed on graphene surface. <b>2019</b> , 25, 302	25
126	In Vitro Selection of a DNA Aptamer by Cell-SELEX as a Molecular Probe for Cervical Cancer Recognition and Imaging. <b>2019</b> , 87, 72-82	15
125	Selective control of molecule charge state on graphene using tip-induced electric field and nitrogen doping. <b>2019</b> , 3,	14
124	Attomolar Label-Free Detection of DNA Hybridization with Electrolyte-Gated Graphene Field-Effect Transistors. <b>2019</b> , 4, 286-293	90
123	N-i-p-type perovskite solar cells employing n-type graphene transparent conductive electrodes. <b>2019</b> , 786, 614-620	15
122	Wettability of graphene: from influencing factors and reversible conversions to potential applications. <b>2019</b> , 4, 339-364	68
121	Nanographene favors electronic interactions with an electron acceptor rather than an electron donor in a planar fused push-pull conjugate. <b>2019</b> , 11, 1437-1441	5
120	Chemical Sensors for VOC Detection in Indoor Air: Focus on Formaldehyde. <b>2019</b> , 47-70	
119	Reversible Modification of Nitrogen-Doped Graphene Based on Se-N Dynamic Covalent Bonds for Field-Effect Transistors. <b>2019</b> , 11, 24360-24366	8
118	Charge transfer induced ferromagnetism and anomalous temperature increment of coercivity in ultrathin $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> decorated graphene 2D nanostructures. <b>2019</b> , 125, 233904	6
117	Self-Assembled Functionally Graded Graphene Films with Tunable Compositions and Their Applications in Transient Electronics and Actuation. <b>2019</b> , 11, 23463-23473	6
116	Ultrastrong Graphene Films via Long-Chain $\pi$ -Bridging. <b>2019</b> , 1, 389-401	57
115	Azulenocyanines immobilized on graphene; on the way to panchromatic absorption and efficient DSSC blocking layers. <b>2019</b> , 11, 10709-10715	16
114	Threshold Voltage Modulation of a Graphene/ZnO Barristor Using a Polymer Doping Process. <b>2019</b> , 5, 1800805	13
113	Piezoelectrically modulated touch pressure sensor using a graphene barristor. <b>2019</b> , 58, SBBH03	3
112	Recent Advances in Graphene Homogeneous p-n Junction for Optoelectronics. <b>2019</b> , 4, 1900007	11



111	Thermal stability of graphene in inert atmosphere at high temperature. <b>2019</b> , 276, 100-103	28
110	Graphene-based fully integrated portable nanosensing system for on-line detection of cytokine biomarkers in saliva. <b>2019</b> , 134, 16-23	71
109	Layer dependent electrical transport in exfoliated graphene FETs under UV illumination. <b>2019</b> , 479, 863-873	2
108	Functionalized Graphene Nanocomposites for Water Treatment. <b>2019</b> , 91-107	5
107	Boosting the oxygen reduction activity of a nano-graphene catalyst by charge redistribution at the graphene-metal interface. <b>2019</b> , 11, 5038-5047	14
106	Insights into the Interaction of Graphene Oxide and Adsorbed RhB by Raman Spectral Deconvoluted Scanning. <b>2019</b> , 123, 30021-30027	4
105	One-pot microwave-assisted green synthesis of amine-functionalized graphene quantum dots for high visible light photocatalytic application. <b>2019</b> , 22, 822-828	7
104	Functionalized graphene transistor for ultrasensitive detection of carbon quantum dots. <b>2019</b> , 126, 214303	2
103	Transparent Conductive Electrodes Based on Graphene-Related Materials. <b>2018</b> , 10,	29
102	High-Performance n-i-p-Type Perovskite Photodetectors Employing Graphene-Transparent Conductive Electrodes N-Type Doped with Amine Group Molecules. <b>2019</b> , 7, 734-739	11
101	Nanodiamonds: Emerging face of future nanotechnology. <b>2019</b> , 143, 678-699	71
100	Doping of Monolayer Transition-Metal Dichalcogenides via Physisorption of Aromatic Solvent Molecules. <b>2019</b> , 10, 540-547	34
99	Application of Hybrid rGO-ITO Bilayer TCO on a-Si Solar Cell for Performance Enhancement. <b>2019</b> , 9, 12-17	4
98	Graphene-Based Transparent Conductive Films: Material Systems, Preparation and Applications. <b>2019</b> , 3, 1800199	94
97	Lamination-produced semi-transparent/flexible perovskite solar cells with doped-graphene anode and cathode. <b>2019</b> , 775, 905-911	27
96	Tuning of Graphene Work Function by Alkyl Chain Length in Amine-Based Compounds. <b>2019</b> , 15, 141-148	3
95	A bio-inspired 3D micro-structure for graphene-based bacteria sensing. <b>2019</b> , 123, 77-84	28
94	Cobalt porphyrin supported on graphene/Ni (111) surface: Enhanced oxygen evolution/reduction reaction and the role of electron coupling. <b>2020</b> , 351, 113-118	11

93	Identification of frozen/thawed beef based on label-free detection of hemin (Iron Porphyrin) with solution-gated graphene transistor sensors. <b>2020</b> , 305, 127167	7
92	Ohmic contact in graphene/SnSe <sub>2</sub> Van Der Waals heterostructures and its device performance from ab initio simulation. <b>2020</b> , 55, 4321-4331	3
91	Graphene Quantum Dots Promoted the Synthesis of Heavily n-Type Graphene for Near-Infrared Photodetectors. <b>2020</b> , 124, 1674-1680	2
90	Ultra-sensitive gas phase detection of 2,4,6-trinitrotoluene by non-covalently functionalized graphene field effect transistors. <b>2020</b> , 145, 917-928	9
89	Application of organic-graphene hybrids in high performance photodetectors. <b>2020</b> , 4, 354-368	9
88	Galvanic Replacement of Liquid Metal/Reduced Graphene Oxide Frameworks. <b>2020</b> , 7, 2000626	18
87	Doping-Induced Stacking Transition in Trilayer Graphene: Implications for Layer Stacking Manipulation. <b>2020</b> , 3, 11861-11868	3
86	Tunable electrical properties of carbon dot doped photo-responsive azobenzene-clay nanocomposites.. <b>2020</b> , 10, 37545-37554	5
85	Engineering stable laminated graphene oxide hybrid membranes via imidazolium cations complexation. <b>2020</b> , 613, 118519	8
84	Tuning Ultrafast Charge Carrier Dynamics of Monolayer Graphene using Substrates. <b>2020</b> , 124, 21147-21154	0
83	Suppression of the morphology mismatch at graphene/n-type organic semiconductor interfaces: a scanning Kelvin probe force microscopy investigation. <b>2020</b> , 8, 8145-8154	3
82	Sheet Resistance Analysis of Interface-Engineered Multilayer Graphene: Mobility Versus Sheet Carrier Concentration. <b>2020</b> , 12, 30932-30940	12
81	Carbon Nanohybrids for Advanced Electronic Applications. <b>2020</b> , 217, 2000199	4
80	Reduced-Graphene-Oxide-Based Needle-Type Field-Effect Transistor for Dopamine Sensing. <b>2020</b> , 7, 1922-1927	5
79	Evidence for Electron Transfer between Graphene and Non-Covalently Bound Systems. <b>2020</b> , 26, 6694-6702	5
78	Simultaneous Detection and Photocatalysis Performed on a 3D Graphene/ZnO Hybrid Platform. <i>Langmuir</i> , <b>2020</b> , 36, 2231-2239	4 11
77	Well-dispersed poly(cysteine)-Ni(OH) <sub>2</sub> nanocomposites on graphene-modified electrode surface for highly sensitive non-enzymatic glucose detection. <b>2020</b> , 591, 124549	6
76	Enhanced Flexibility and Stability in Perovskite Photodiode-Solar Cell Nanosystem Using MoS <sub>2</sub> Electron-Transport Layer. <b>2020</b> , 12, 4586-4593	22

75	Review of Graphene-Based Water Quality Sensors. <b>2020</b> , 167, 037539	24
74	Creation of a two-dimensional polymer and graphene heterostructure. <b>2020</b> , 12, 5170-5174	7
73	Solvent-Mediated Chemical Hole Doping of Graphene by Iodine. <b>2020</b> , 124, 3827-3834	3
72	An effectual enhancement to the electrical conductivity of graphene FET by silver nanoparticles. <b>2020</b> , 106, 107833	4
71	Dielectric Surface Charge Engineering for Electrostatic Doping of Graphene. <b>2020</b> , 2, 1235-1242	4
70	Work Function-Tunable Graphene-Polymer Composite Electrodes for Organic Light-Emitting Diodes. <b>2020</b> , 3, 4068-4077	7
69	Facile synthesis of a covalently connected rGO/OF hybrid material by in situ reaction for enhanced visible-light induced photocatalytic H <sub>2</sub> evolution. <b>2020</b> , 8, 8949-8956	45
68	Highly sensitive room temperature ammonia gas sensor using pristine graphene: The role of biocompatible stabilizer. <b>2021</b> , 173, 262-270	15
67	Fabrication and characterization of Al/n-Si/Al schottky diode with rGO interfacial layer obtained by using spin coating method. <b>2021</b> , 46, 6899-6903	1
66	Prediction of azulene-based nanographene-like materials. <b>2021</b> , 112, 108235	0
65	Micro-photoluminescence of Carbon Dots Deposited on Twisted Double-Layer Graphene Grown by Chemical Vapor Deposition. <b>2021</b> , 13, 7324-7333	1
64	Phosphomolybdic Acid-Modified Monolayer Graphene Anode for Efficient Organic and Perovskite Light-Emitting Diodes. <b>2021</b> , 13, 12268-12277	2
63	Functionalization of graphene by boronic acid-based organic molecules. <b>2021</b> , 129, 175111	1
62	Molecular Doping of 2D Indium Selenide for Ultrahigh Performance and Low-Power Consumption Broadband Photodetectors. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2103353	15.6 6
61	Three-dimensional AgS cubes for switchable multi-wavelength ultrashort pulse application. <i>Nanotechnology</i> , <b>2021</b> , 32,	3-4 1
60	Study of electrical properties of a few layers of graphene sheets under Ultraviolet and Visible light irradiation. <b>2021</b> , 2, 8-14	
59	Charge-transfer-induced 2D ferromagnetism and realization of thermo-remnant memory effect in ultrathin-NiOOH-encapsulated graphene. <i>Nanotechnology</i> , <b>2021</b> , 32,	3-4
58	Characterizations of Carbon Nanotubes and Graphene. <b>2022</b> , 65-90	

57	Sensing the quantized reactivity of graphene. <b>2021</b> , 1177, 338735		
56	Enhancement of Mobility and Modulation of Carrier Concentration in Graphene Field-Effect Transistors via Molecular Doping. <b>2021</b> , 8, 2100748		2
55	Electrically or chemically tunable photodetector with ultra high responsivity using graphene/InN nanowire based mixed dimensional barristors. <i>Nanotechnology</i> , <b>2021</b> , 32,	3-4	2
54	Supramolecular assembly of pyrene-tetrathiafulvalene hybrids on graphene: structure-property relationships and biosensing activity. <b>2021</b> , 9, 10944-10951		2
53	Molecular embroidering of graphene. <b>2021</b> , 12, 552		9
52	Numerical Modeling and Calculation of Sensing Parameters of DNA Sensors. 389-411		1
51	Architecture and Function of Biohybrid Solar Cell and Solar-to-Fuel Nanodevices. <b>2020</b> , 227-274		1
50	Strong and tough graphene papers constructed with pyrene-containing small molecules via $\pi$ -H-bonding synergistic interactions. <b>2021</b> , 64, 1206-1218		1
49	Doping Graphene by Chemical Treatments Using Acid and Basic Substances. <b>2015</b> , 03, 17-21		3
48	Structural, Optical, and Electrical Characterization of p-type Graphene for Various AuCl <sub>3</sub> Doping Concentrations. <b>2013</b> , 22, 270-275		1
47	Optical and electronic properties of N/B doped graphene. <b>2016</b> , 65, 248103		10
46	Reduced graphene oxide nanosheets for selective picomolar detection of Bovine serum albumin. <b>2021</b> , PP,		1
45	Surface modifications in graphene by DNA aptamers for Staphylococcus aureus detection. <b>2021</b> , 1-1		0
44	A Micro Broadband Photodetector Based on Single Wall Carbon Nanotubes-Graphene Heterojunction. <b>2021</b> , 1-1		1
43	Investigating lysozyme amyloid fibrillization by electrochemical impedance spectroscopy for application in lysozyme sensor. <b>2021</b> , 901, 115799		1
42	Optimization of Current-Voltage Characteristics of Graphene-Based Biosensors. <b>2017</b> , 244-264		
41	Development of Gas Sensor Model for Detection of NO <sub>2</sub> Molecules Adsorbed on Defect-Free and Defective Graphene. <b>2017</b> , 208-223		
40	Molecular adsorption of iminotriazine derivatives on graphene. <b>2020</b> , 3, 034011		3

39	Modular modification of the two-dimensional electronic properties of graphene by bio-inspired functionalization. <b>2022</b> , 574, 151642	1
38	Porous carbon foam based on coassembled graphene and adenine-polyimide for electromagnetic interference shielding. <b>2021</b> , 236, 124328	2
37	Fabrication of Graphene/Zinc Oxide Nano-Heterostructure for Hydrogen Sensing. <b>2021</b> , 14,	1
36	Liquid metal enabled continuous flow reactor: A proof-of-concept. <b>2021</b> , 4, 4022-4041	8
35	Identification of Ammonia and Phosphine Gas Using Graphene Nanosensor with Machine Learning Techniques.	
34	Enzymatic biosensors for the detection of water pollutants. <b>2022</b> , 463-511	0
33	The holy grail of pyrene-based surface ligands on the sensitivity of graphene-based field effect transistors.	3
32	Design and synthesis of ultrathin graphene: Fundamental applications in transparent electrodes and supercapacitors. <b>2022</b> , 115-140	
31	Ultrasensitive N-Channel Graphene Gas Sensors by Nondestructive Molecular Doping.. <b>2022</b> ,	4
30	Wet-Chemical Noncovalent Functionalization of CVD Graphene: Molecular Doping and Its Effect on Electrolyte-Gated Graphene Field-Effect Transistor Characteristics. <b>2022</b> , 126, 4522-4533	1
29	Shell-Isolated Nanoparticle-Enhanced Raman Spectroscopy for Probing Riboflavin on Graphene.. <b>2022</b> , 15,	0
28	Quantitative Estimation of p- and n-Doping Effects on Electrophysical and Optical Properties of CVD Graphene. <b>2022</b> , 126, 4620-4629	
27	N-Doped Fluorescent Carbon Nanosheets as a Label-Free Platform for Sensing Bisphenol Derivatives.	1
26	Machine Learning-Enabled Smart Gas Sensing Platform for Identification of Industrious Gases. 2200016	2
25	Surface Engineering of Graphite and Graphene by Viologen Self-Assembling: From Global to Local Architectures.	2
24	Biomolecular control over local gating in bilayer graphene induced by ferritin.. <i>IScience</i> , <b>2022</b> , 25, 104128.1	1
23	Twisted graphene stabilized by organic linkers pillaring.. <i>Nanotechnology</i> , <b>2022</b> ,	3-4
22	Low-Temperature CVD-Grown Graphene Thin Films as Transparent Electrode for Organic Photovoltaics. <i>Coatings</i> , <b>2022</b> , 12, 681	2.9 1

21	Role of Interfacial Interactions in the Graphene-Directed Assembly of Monolayer Conjugated Polymers. <i>Langmuir</i> ,	4	2
20	Demonstration of Molecular Tunneling Junctions Based on Vertically Stacked Graphene Heterostructures. <i>Crystals</i> , <b>2022</b> , 12, 787	2.3	0
19	Doping of Graphene Films: Open the way to Applications in Electronics and Optoelectronics. <i>Advanced Functional Materials</i> , 2203179	15.6	4
18	DNA aptamer selection and construction of an aptasensor based on graphene FETs for Zika virus NS1 protein detection. 13, 873-881		0
17	Computational study of the effect of different doping elements on the thermal conduction properties of graphene nanoribbons. <b>2022</b> , 129, 109379		0
16	N, P, S triple-doped honeycomb porous carbon multi-dimensionally enhanced CoP for pseudocapacitance-driven high-power lithium storage. <b>2022</b> , 605, 154801		0
15	Flexible self-supporting metal-free N-doped graphene membrane as an electrocatalyst for oxygen evolution reaction. <b>2022</b> , 604, 154667		0
14	Sequentially optimizing carbon nanotubes framework towards flexible and compact capacitive energy storage.		1
13	From molecules in solution to molecules on surfaces Using supramolecular dyads to form functional self-assembled networks on graphene. <b>2022</b> , 10, 13981-13988		0
12	Graphene grown on transition metal substrates: Versatile templates for organic molecules with new properties and structures. <b>2022</b> , 100575		0
11	Conductivity inversion of methyl viologen-modified random networks of single-walled carbon nanotubes. <b>2022</b> ,		0
10	Diazines on graphene: adsorption, structural variances and electronic states. <b>2022</b> , 24, 29712-29720		0
9	A Broadband 3D Microtubular Photodetector Based on Single Wall Carbon Nanotubes-Graphene Heterojunction.		0
8	Molecular Doping of CVD-Graphene Surfaces by Perfluoroalkyl-Substituted Perylene Diimides Derivatives. <b>2022</b> , 12, 4239		0
7	Topological and Spectral Properties of Wavy Zigzag Nanoribbons. <b>2023</b> , 28, 152		1
6	Amino-functionalization-assisted construction of CoP/N, P co-doped graphene to enhance stable lithium storage via electrostatic interaction and strong bonds. <b>2023</b> , 442, 141910		0
5	Graphene-Based Microbial Fuel Cell. <b>2023</b> , 155-187		0
4	Graphene-Based Touch Sensors. <b>2023</b> , 54-70		0

- 3 Ultrathin and highly flexible supercapacitor based on chemical vapor deposited nitrogen-doped bernal graphene for wearable electronics. **2023**, 208, 227-237 ○
- 2 First-principles screening of surface-charge-transfer molecular dopants for n-type diamond. **2023**, 34, 265201 ○
- 1 In Situ Growth of Graphene on Polyimide for High-Responsivity Flexible PbS/Graphene Photodetectors. **2023**, 13, 1339 ○