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Functional graphene oxide as a nanocarrier for controlled loading and targeted delivery of mixed anticancer drugs

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#	Paper	IF	Citations
1468	Intracellular imaging with a graphene-based fluorescent probe. <i>Small</i> , <b>2010</b> , 6, 1686-92	11	243
1467	Graphene oxide porous paper from amine-functionalized poly(glycidyl methacrylate)/graphene oxide core-shell microspheres. <b>2010</b> , 20, 9200		137
1466	Graphene in mice: ultrahigh in vivo tumor uptake and efficient photothermal therapy. <b>2010</b> , 10, 3318-23		1977
1465	Nanocomposites of size-controlled gold nanoparticles and graphene oxide: formation and applications in SERS and catalysis. <b>2010</b> , 2, 2733-8		382
1464	Graphene oxide nanocolloids. <b>2010</b> , 132, 17667-9		320
1463	Progress in cancer nanotechnology. <b>2010</b> , 95, 193-236		4
1462	Salt-controlled assembly of stacked-graphene for capturing fluorescence and its application in chemical genotoxicity screening. <b>2011</b> , 21, 15266		5
1461	Adsorption of double-stranded DNA to graphene oxide preventing enzymatic digestion. <b>2011</b> , 3, 3888-92		90
1460	Differential nano-bio interactions and toxicity effects of pristine versus functionalized graphene. <b>2011</b> , 3, 2461-4		350
1459	Composites of aminodextran-coated Fe <sub>3</sub> O <sub>4</sub> nanoparticles and graphene oxide for cellular magnetic resonance imaging. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2011</b> , 3, 4085-91	9.5	245
1458	Controlled assembly of Fe <sub>3</sub> O <sub>4</sub> magnetic nanoparticles on graphene oxide. <b>2011</b> , 3, 1446-50		200
1457	Functionalized graphene oxide as a nanocarrier in a multienzyme labeling amplification strategy for ultrasensitive electrochemical immunoassay of phosphorylated p53 (S392). <b>2011</b> , 83, 746-52		287
1456	Multi-functionalized graphene oxide based anticancer drug-carrier with dual-targeting function and pH-sensitivity. <b>2011</b> , 21, 3448-3454		452
1455	Functionalizing metal nanostructured film with graphene oxide for ultrasensitive detection of aromatic molecules by surface-enhanced Raman spectroscopy. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2011</b> , 3, 2944-52	9.5	144
1454	Conjugation of quantum dots with graphene for fluorescence imaging of live cells. <b>2011</b> , 136, 4277-83		73
1453	Controllable oxidative DNA cleavage-dependent regulation of graphene/DNA interaction. <b>2011</b> , 47, 4084-6		47
1452	One step hydrothermal synthesis of TiO <sub>2</sub> -reduced graphene oxide sheets. <b>2011</b> , 21, 3415		419

1451	Facile Fabrication of Metal Nanoparticle/Graphene Oxide Hybrids: A New Strategy To Directly Illuminate Graphene for Optical Imaging. <b>2011</b> , 115, 12815-12821	63
1450	Functionalized carbon nanomaterials as nanocarriers for loading and delivery of a poorly water-soluble anticancer drug: a comparative study. <b>2011</b> , 47, 5235-7	250
1449	Light-activated covalent formation of gold nanoparticle-graphene and gold nanoparticle-glass composites. <b>2011</b> , 27, 13261-8	59
1448	Protein-directed reduction of graphene oxide and intracellular imaging. <b>2011</b> , 47, 12658-60	54
1447	Green and facile synthesis of highly biocompatible graphene nanosheets and its application for cellular imaging and drug delivery. <b>2011</b> , 21, 12034	352
1446	Protein corona-mediated mitigation of cytotoxicity of graphene oxide. <b>2011</b> , 5, 3693-700	724
1445	In vitro toxicity evaluation of graphene oxide on A549 cells. <b>2011</b> , 200, 201-10	1026
1444	Controlled drug release characteristics and enhanced antibacterial effect of graphene nanosheets containing gentamicin sulfate. <b>2011</b> , 3, 4104-8	123
1443	In vivo pharmacokinetics, long-term biodistribution, and toxicology of PEGylated graphene in mice. <b>2011</b> , 5, 516-22	693
1442	Graphene and graphene oxide: biofunctionalization and applications in biotechnology. <b>2011</b> , 29, 205-12	1150
1441	Long-acting antibacterial activity of quaternary phosphonium salts functionalized few-layered graphite. <b>2011</b> , 176, 1222-1226	45
1440	Controlled release of drug from folate-decorated and graphene mediated drug delivery system: Synthesis, loading efficiency, and drug release response. <b>2011</b> , 31, 1305-1312	324
1439	Hydrothermal synthesis of magnetic reduced graphene oxide sheets. <b>2011</b> , 46, 2077-2083	39
1438	Synergistic effect of chemo-photothermal therapy using PEGylated graphene oxide. <i>Biomaterials</i> , <b>2011</b> , 32, 8555-61	15.6 744
1437	The promotion of neurite sprouting and outgrowth of mouse hippocampal cells in culture by graphene substrates. <i>Biomaterials</i> , <b>2011</b> , 32, 9374-82	15.6 335
1436	Photothermally enhanced photodynamic therapy delivered by nano-graphene oxide. <b>2011</b> , 5, 7000-9	874
1435	Polyethylenimine-functionalized graphene oxide as an efficient gene delivery vector. <b>2011</b> , 21, 7736	258
1434	Graphene based gene transfection. <b>2011</b> , 3, 1252-7	479

1433	Graphene in biomedicine: opportunities and challenges. <b>2011</b> , 6, 317-24		572
1432	Stimuli-Responsive Polymer Covalent Functionalization of Graphene Oxide by Ce(IV)-Induced Redox Polymerization. <b>2011</b> , 115, 24636-24641		44
1431	Folate conjugated CdHgTe quantum dots with high targeting affinity and sensitivity for in vivo early tumor diagnosis. <b>2011</b> , 21, 793-801		19
1430	A graphene oxide platform for energy transfer-based detection of protease activity. <b>2011</b> , 26, 3894-9		83
1429	Enhanced chemotherapy efficacy by sequential delivery of siRNA and anticancer drugs using PEI-grafted graphene oxide. <i>Small</i> , <b>2011</b> , 7, 460-4	11	478
1428	Chitosan-functionalized graphene oxide as a nanocarrier for drug and gene delivery. <i>Small</i> , <b>2011</b> , 7, 1569-78		694
1427	Flexible and transparent electrothermal film heaters based on graphene materials. <i>Small</i> , <b>2011</b> , 7, 3186-92		311
1426	Carbon materials for drug delivery & cancer therapy. <b>2011</b> , 14, 316-323		466
1425	Synthesis and Drug-Delivery Behavior of Chitosan-Functionalized Graphene Oxide Hybrid Nanosheets. <b>2011</b> , 296, 131-140		281
1424	Water-Soluble Poly(N-isopropylacrylamide)/Graphene Sheets Synthesized via Click Chemistry for Drug Delivery. <b>2011</b> , 21, 2754-2763		383
1423	Surface assembly of graphene oxide nanosheets on SiO <sub>2</sub> particles for the selective isolation of hemoglobin. <b>2011</b> , 17, 4864-70		93
1422	Distribution and biocompatibility studies of graphene oxide in mice after intravenous administration. <b>2011</b> , 49, 986-995		570
1421	Real time monitoring of the drug release of rhodamine B on graphene oxide. <b>2011</b> , 49, 1126-1132		103
1420	In vitro and in vivo behaviors of dextran functionalized graphene. <b>2011</b> , 49, 4040-4049		273
1419	Structure-process-property relationship of the polar graphene oxide-mediated cellular response and stimulated growth of osteoblasts on hybrid chitosan network structure nanocomposite scaffolds. <b>2011</b> , 7, 3432-45		328
1418	Synthesis of graphene oxide-based biocomposites through diimide-activated amidation. <i>Journal of Colloid and Interface Science</i> , <b>2011</b> , 356, 543-9	9-3	50
1417	Functionalization of reduced graphene oxide nanosheets via stacking interactions with the fluorescent and water-soluble perylene bisimide-containing polymers. <b>2011</b> , 52, 2376-2383		77
1416	Functionalized graphene oxide as nanocarrier for loading and delivery of ellagic Acid. <b>2011</b> , 18, 4503-12		104

1415	Can nanotechnology potentiate photodynamic therapy?. <b>2012</b> , 1, 111-146	102
1414	Redox approaches derived Tin (IV) oxide nanoparticles/graphene nanocomposites as the near-infrared absorber for selective human prostate cancer cells destruction. <b>2012</b> , 4,	3
1413	Improving thermal stability and efficacy of BCNU in treating glioma cells using PAA-functionalized graphene oxide. <b>2012</b> , 7, 1737-47	36
1412	Biological interactions and safety of graphene materials. <b>2012</b> , 37, 1307-1313	30
1411	Functionalized graphene oxide-based carbon paste electrode for potentiometric detection of copper ion(II). <b>2012</b> , 4, 3332	21
1410	A Facile Route to Coat Iron Oxide Nanoparticles with Few-Layer Graphene. <b>2012</b> , 116, 23749-23756	23
1409	Biomedical applications of graphene. <b>2012</b> , 2, 283-94	719
1408	Preparation of polymer decorated graphene oxide by $\gamma$ induced graft polymerization. <b>2012</b> , 4, 1742-8	78
1407	Chapter 8:Dispersible Graphene OxidePolymer Nanocomposites. <b>2012</b> , 179-210	2
1406	Recent advances in graphene family materials toxicity investigations. <b>2012</b> , 14, 1320	208
1405	Grafting of graphene oxide with stimuli-responsive polymers by using ATRP for drug release. <b>2012</b> , 14, 1	36
1404	Rapid intracellular growth of gold nanostructures assisted by functionalized graphene oxide and its application for surface-enhanced Raman spectroscopy. <b>2012</b> , 84, 10338-44	47
1403	Graphene oxide absorbed anti-IL10R antibodies enhance LPS induced immune responses in vitro and in vivo. <b>2012</b> , 148, 126-32	30
1402	p-Sulfonated calix[6]arene modified graphene as a 'turn on' fluorescent probe for L-carnitine in living cells. <b>2012</b> , 48, 4851-3	92
1401	Graphene oxide as a nano-platform for ATP detection based on aptamer chemistry. <b>2012</b> , 4, 1662	43
1400	A facile graphene oxide-based DNA polymerase assay. <b>2012</b> , 137, 3989-94	18
1399	Methoxy poly(ethylene glycol) conjugated denatured bovine serum albumin micelles for effective delivery of camptothecin. <b>2012</b> , 3, 1958	38
1398	Self-complexation and complexation-controlled target cancer therapy. <b>2012</b> , 3, 1059	6

1397	Applications and Nanotoxicity of Carbon Nanotubes and Graphene in Biomedicine. <b>2012</b> , 2012, 1-19		103
1396	High-efficiency loading of hypocrellin B on graphene oxide for photodynamic therapy. <b>2012</b> , 50, 5594-5604		72
1395	Ethidium bromide-adsorbed graphene templates as a platform for preferential sensing of DNA. <i>Biomacromolecules</i> , <b>2012</b> , 13, 3181-8	6.9	22
1394	Fabrication of graphene oxide nanosheets incorporated monolithic column via one-step room temperature polymerization for capillary electrochromatography. <b>2012</b> , 84, 39-44		116
1393	Conjugates of graphene oxide covalently linked ligands and gold nanoparticles to construct silver ion graphene paste electrode. <b>2012</b> , 97, 406-13		9
1392	Enhanced fluorescent intensity of graphene oxide/methyl cellulose hybrid in acidic medium: Sensing of nitro-aromatics. <b>2012</b> , 22, 8139		57
1391	Nontoxic concentrations of PEGylated graphene nanoribbons for selective cancer cell imaging and photothermal therapy. <b>2012</b> , 22, 20626		176
1390	Effect of size and dose on the biodistribution of graphene oxide in mice. <b>2012</b> , 7, 1801-12		153
1389	Effect of graphene oxide on undifferentiated and retinoic acid-differentiated SH-SY5Y cells line. <b>2012</b> , 4, 3861-6		140
1388	The interactions between pristine graphene and macrophages and the production of cytokines/chemokines via TLR- and NF- $\kappa$ B-related signaling pathways. <i>Biomaterials</i> , <b>2012</b> , 33, 6933-42	15.6	144
1387	Self-assembled complex of probe peptide--E. Coli RNA I conjugate and nano graphene oxide for apoptosis diagnosis. <i>Biomaterials</i> , <b>2012</b> , 33, 7556-64	15.6	20
1386	Synthesis, Characterization, and Biomedical Applications of Graphene. <b>2012</b> ,		
1385	Adverse effects of graphene incorporated in TiO <sub>2</sub> photocatalyst on minuscule animals under solar light irradiation. <b>2012</b> , 22, 23260		128
1384	Observation of Multiphoton-Induced Fluorescence from Graphene Oxide Nanoparticles and Applications in In Vivo Functional Bioimaging. <b>2012</b> , 124, 10722-10727		10
1383	Observation of multiphoton-induced fluorescence from graphene oxide nanoparticles and applications in in vivo functional bioimaging. <b>2012</b> , 51, 10570-5		139
1382	Covalent modification of reduced graphene oxide by means of diazonium chemistry and use as a drug-delivery system. <b>2012</b> , 18, 14708-16		64
1381	NanoBio Interaction between Graphite Oxide Nanoparticles and Human Blood Components. <b>2012</b> , 2012, 5343-5349		12
1380	Facile synthesis of highly emissive carbon dots from pyrolysis of glycerol; gram scale production of carbon dots/mSiO <sub>2</sub> for cell imaging and drug release. <b>2012</b> , 22, 14403		283

1379	Functionalized Nanoparticles and Chitosan-Based Functional Nanomaterials. <b>2012</b> , 1-50		3
1378	Solution-processed graphene materials and composites. <b>2012</b> , 37, 1167-1175		16
1377	Clusters of carbon nanospheres derived from graphene oxide. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2012</b> , 4, 6808-15	9.5	16
1376	Biomedical Applications of Graphene: Opportunities and Challenges. <b>2012</b> , 373-408		
1375	Graphenes in Supramolecular Gels and in Biological Systems. <b>2012</b> , 339-372		1
1374	Polymer Nanocomposites for Biomedical Applications. <b>2012</b> , 285-329		
1373	PEGylated graphene oxide-mediated protein delivery for cell function regulation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2012</b> , 4, 6317-23	9.5	136
1372	Graphene oxide as a quencher for fluorescent assay of amino acids, peptides, and proteins. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2012</b> , 4, 7069-75	9.5	150
1371	Cellular imaging using biocompatible dendrimer-functionalized graphene oxide-based fluorescent probe anchored with magnetic nanoparticles. <b>2012</b> , 23, 415101		66
1370	Advancing risk assessment of engineered nanomaterials: application of computational approaches. <i>Advanced Drug Delivery Reviews</i> , <b>2012</b> , 64, 1663-93	18.5	162
1369	Size-dependent genotoxicity of graphene nanoplatelets in human stem cells. <i>Biomaterials</i> , <b>2012</b> , 33, 8017-25	15.6	574
1368	In situ enzymatic silver enhancement based on functionalized graphene oxide and layer-by-layer assembled gold nanoparticles for ultrasensitive detection of thrombin. <b>2012</b> , 38, 50-4		34
1367	RECENT ADVANCES IN GRAPHENE-BASED NANOMATERIALS FOR BIOMEDICAL APPLICATIONS. <b>2012</b> , 02, 1230001		34
1366	Organic Conductors [Biological Applications. <b>2012</b> , 113-150		
1365	GRAPHENE FOR ENVIRONMENTAL AND BIOLOGICAL APPLICATIONS. <b>2012</b> , 26, 1242001		34
1364	A Review on Nanofluids: Preparation, Stability Mechanisms, and Applications. <b>2012</b> , 2012, 1-17		481
1363	A spatiotemporal anticancer drug release platform of PEGylated graphene oxide triggered by glutathione in vitro and in vivo. <b>2012</b> , 22, 23845		77
1362	Cellulase Immobilized Nanostructured Supports for Efficient Saccharification of Cellulosic Substrates. <b>2012</b> , 55, 1231-1246		24

1361	Size-dependent cell uptake of protein-coated graphene oxide nanosheets. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2012</b> , 4, 2259-66	9.5	290
1360	The application of graphene oxide in drug delivery. <b>2012</b> , 9, 1365-76		153
1359	Carbon Nanomaterials for Drug Delivery. <b>2012</b> , 508, 76-80		36
1358	Cell imaging by graphene oxide based on surface enhanced Raman scattering. <b>2012</b> , 4, 7084-9		99
1357	Cyanobacterium metallothionein decorated graphene oxide nanosheets for highly selective adsorption of ultra-trace cadmium. <b>2012</b> , 22, 21909		130
1356	Engineered polyethylenimine/graphene oxide nanocomposite for nuclear localized gene delivery. <b>2012</b> , 3, 2561		91
1355	Crystalline transformation of colloidal nanoparticles on graphene oxide. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2012</b> , 4, 1021-9	9.5	12
1354	A new prospect in cancer therapy: targeting cancer stem cells to eradicate cancer. <b>2012</b> , 31, 564-72		19
1353	Engineered redox-responsive PEG detachment mechanism in PEGylated nano-graphene oxide for intracellular drug delivery. <i>Small</i> , <b>2012</b> , 8, 760-9	11	266
1352	Graphene as a nanocarrier for tamoxifen induces apoptosis in transformed cancer cell lines of different origins. <i>Small</i> , <b>2012</b> , 8, 131-43	11	54
1351	Hemocompatibility and macrophage response of pristine and functionalized graphene. <i>Small</i> , <b>2012</b> , 8, 1251-63	11	267
1350	Anticancer efficacy and subcellular site of action investigated by real-time monitoring of cellular responses to localized drug delivery in single cells. <i>Small</i> , <b>2012</b> , 8, 2670-4	11	13
1349	Mechanism of cellular uptake of graphene oxide studied by surface-enhanced Raman spectroscopy. <i>Small</i> , <b>2012</b> , 8, 2577-84	11	180
1348	Amine-modified graphene: thrombo-protective safer alternative to graphene oxide for biomedical applications. <b>2012</b> , 6, 2731-40		369
1347	Biological interactions of graphene-family nanomaterials: an interdisciplinary review. <b>2012</b> , 25, 15-34		953
1346	pH-responsive reversible dispersion of biocompatible SWNT/graphene-amphiphile hybrids. <b>2012</b> , 22, 6623		22
1345	The preparation of functionalized graphene oxide for targeted intracellular delivery of siRNA. <b>2012</b> , 22, 6649		87
1344	Strategies for chemical modification of graphene and applications of chemically modified graphene. <b>2012</b> , 22, 12435		395



1343	Engineering Inorganic Nanoemulsions/Nanoliposomes by Fluoride-Silica Chemistry for Efficient Delivery/Co-Delivery of Hydrophobic Agents. <b>2012</b> , 22, 1586-1597		120
1342	Greener Electrochemical Synthesis of High Quality Graphene Nanosheets Directly from Pencil and its SPR Sensing Application. <b>2012</b> , 22, 2352-2362		116
1341	Construction of a graphene oxide based noncovalent multiple nanosupramolecular assembly as a scaffold for drug delivery. <b>2012</b> , 18, 4208-15		162
1340	Chemistry, physics and biology of graphene-based nanomaterials: new horizons for sensing, imaging and medicine. <b>2012</b> , 22, 14313		105
1339	Functionalized graphene oxide in enzyme engineering: a selective modulator for enzyme activity and thermostability. <b>2012</b> , 6, 4864-75		173
1338	A sensitive dual signal amplification method for western blotting based on antibody-functionalised graphene oxide and gold nanoparticles. <b>2012</b> , 137, 3620-3		11
1337	Graphene: a versatile nanoplatform for biomedical applications. <b>2012</b> , 4, 3833-42		421
1336	A functionalized graphene oxide-iron oxide nanocomposite for magnetically targeted drug delivery, photothermal therapy, and magnetic resonance imaging. <i>Nano Research</i> , <b>2012</b> , 5, 199-212	10	494
1335	Direct electrochemistry and electrocatalysis of horseradish peroxidase immobilized in graphene oxide/Nafion nanocomposite film. <b>2012</b> , 65, 122-126		39
1334	The triggering of apoptosis in macrophages by pristine graphene through the MAPK and TGF-beta signaling pathways. <i>Biomaterials</i> , <b>2012</b> , 33, 402-11	15.6	391
1333	The influence of surface chemistry and size of nanoscale graphene oxide on photothermal therapy of cancer using ultra-low laser power. <i>Biomaterials</i> , <b>2012</b> , 33, 2206-14	15.6	625
1332	Simultaneous induction of autophagy and toll-like receptor signaling pathways by graphene oxide. <i>Biomaterials</i> , <b>2012</b> , 33, 6559-69	15.6	184
1331	A novel biosensing strategy for screening G-quadruplex ligands based on graphene oxide sheets. <b>2012</b> , 34, 88-93		44
1330	Carbon nanomaterials as drug carriers: Real time drug release investigation. <b>2012</b> , 32, 1247-1252		29
1329	Multimodal imaging guided photothermal therapy using functionalized graphene nanosheets anchored with magnetic nanoparticles. <b>2012</b> , 24, 1868-72		785
1328	Effect of incorporation of graphene oxide and graphene nanoplatelets on mechanical and gas permeability properties of poly(lactic acid) films. <b>2013</b> , 62, 33-40		214
1327	Role of surface charge and oxidative stress in cytotoxicity and genotoxicity of graphene oxide towards human lung fibroblast cells. <b>2013</b> , 33, 1156-64		143
1326	Graphene oxide nanoribbons (GNO), reduced graphene nanoribbons (GNR), and multi-layers of oxidized graphene functionalized with ionic liquids (GO-IL) for assembly of miniaturized electrochemical devices. <b>2013</b> , 405, 3449-74		35

1325	Evaluation of the toxicity of graphene derivatives on cells of the lung luminal surface. <b>2013</b> , 64, 45-60		81
1324	Photothermally triggered cytosolic drug delivery via endosome disruption using a functionalized reduced graphene oxide. <b>2013</b> , 7, 6735-46		343
1323	Improved potentiometric response of solid-contact lanthanum (III) selective electrode. <b>2013</b> , 779, 35-40		16
1322	Graphene oxide-based magnetic fluorescent hybrids for drug delivery and cellular imaging. <b>2013</b> , 112, 128-33		50
1321	Transferrin modified graphene oxide for glioma-targeted drug delivery: in vitro and in vivo evaluations. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 6909-14	9.5	134
1320	Temperature and pH-tunable fluorescence nanoplatfrom with graphene oxide and BODIPY-conjugated polymer for cell imaging and therapy. <b>2013</b> , 34, 1408-15		30
1319	Encapsulating gold nanoparticles or nanorods in graphene oxide shells as a novel gene vector. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 2715-24	9.5	79
1318	Density functional and molecular docking studies towards investigating the role of single-wall carbon nanotubes as nanocarrier for loading and delivery of pyrazinamide antitubercular drug onto pncA protein. <b>2013</b> , 27, 257-76		22
1317	Multifunctional Fe <sub>3</sub> O <sub>4</sub> /graphene oxide nanocomposites for magnetic resonance imaging and drug delivery. <b>2013</b> , 141, 997-1004		102
1316	Functional graphene oxide as a plasmid-based Stat3 siRNA carrier inhibits mouse malignant melanoma growth in vivo. <b>2013</b> , 24, 105102		91
1315	Single cell array based assay for in vitro genotoxicity study of nanomaterials. <b>2013</b> , 85, 4107-12		44
1314	Deoxyribozyme-loaded nano-graphene oxide for simultaneous sensing and silencing of the hepatitis C virus gene in liver cells. <b>2013</b> , 49, 8241-3		63
1313	Internalization and cytotoxicity of graphene oxide and carboxyl graphene nanoplatelets in the human hepatocellular carcinoma cell line Hep G2. <b>2013</b> , 10, 27		272
1312	Flash photo stimulation of human neural stem cells on graphene/TiO <sub>2</sub> heterojunction for differentiation into neurons. <b>2013</b> , 5, 10316-26		174
1311	Graphene and graphene oxide as new nanocarriers for drug delivery applications. <b>2013</b> , 9, 9243-57		865
1310	Cellular entry of graphene nanosheets: the role of thickness, oxidation and surface adsorption. <b>2013</b> , 3, 15776		100
1309	Tailoring the interlayer interaction between doxorubicin-loaded graphene oxide nanosheets by controlling the drug content. <b>2013</b> , 51, 164-172		40
1308	Folic acid-conjugated graphene-ZnO nanohybrid for targeting photodynamic therapy under visible light irradiation. <b>2013</b> , 1, 5003-5013		82

1307	Multifunctional Chitosan Magnetic-Graphene (CMG) Nanoparticles: a Theranostic Platform for Tumor-targeted Co-delivery of Drugs, Genes and MRI Contrast Agents. <b>2013</b> , 1, 4396-4405		127
1306	Chiral imaging in living cells with functionalized graphene oxide. <b>2013</b> , 1, 4267-4272		20
1305	Tracking the intracellular drug release from graphene oxide using surface-enhanced Raman spectroscopy. <b>2013</b> , 5, 10591-8		50
1304	Cytotoxicity and variant cellular internalization behavior of water-soluble sulfonated nanographene sheets in liver cancer cells. <b>2013</b> , 8, 208		13
1303	Integrated hollow mesoporous silica nanoparticles for target drug/siRNA co-delivery. <b>2013</b> , 19, 15593-603		138
1302	Graphene oxide and reduced graphene oxide as novel stationary phases via electrostatic assembly for open-tubular capillary electrochromatography. <b>2013</b> , 34, 1869-76		28
1301	Enhancing cell nucleus accumulation and DNA cleavage activity of anti-cancer drug via graphene quantum dots. <i>Scientific Reports</i> , <b>2013</b> , 3, 2852	4.9	133
1300	Doxorubicin loading on graphene oxide, iron oxide and gold nanoparticle hybrid. <b>2013</b> , 1, 6187-6193		44
1299	Sulfonated graphene oxide-ZnO-Ag photocatalyst for fast photodegradation and disinfection under visible light. <b>2013</b> , 262, 826-35		98
1298	Crucial role of the biological barrier at the primary targeted organs in controlling the translocation and toxicity of multi-walled carbon nanotubes in the nematode <i>Caenorhabditis elegans</i> . <b>2013</b> , 5, 11166-78		70
1297	The synergetic effect of sulfonated graphene and silver as co-catalysts for highly efficient photocatalytic hydrogen production of ZnO nanorods. <b>2013</b> , 1, 14262		58
1296	Ag@Fe <sub>2</sub> O <sub>3</sub> -GO nanocomposites prepared by a phase transfer method with long-term antibacterial property. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 11307-14	9.5	77
1295	Electrochemical study and application on rutin at chitosan/graphene films modified glassy carbon electrode. <b>2013</b> , 3, 102-108		17
1294	Targeted polysaccharide nanoparticle for adamplatin prodrug delivery. <b>2013</b> , 56, 9725-36		84
1293	Nanodiamond decorated liposomes as highly biocompatible delivery vehicles and a comparison with carbon nanotubes and graphene oxide. <b>2013</b> , 5, 12375-82		44
1292	Graphene oxide based surface-enhanced Raman scattering probes for cancer cell imaging. <b>2013</b> , 15, 2961-6		106
1291	Immobilization of cellulase on magneto-responsive graphene nano-supports. <b>2013</b> , 90, 76-86		85
1290	Bioimpact of Carbon Nanomaterials. <b>2013</b> , 193-271		4

1289	Graphene-based nanomaterials for nanobiotechnology and biomedical applications. <b>2013</b> , 8, 1669-88		86
1288	Folic acid-conjugated graphene oxide as a transporter of chemotherapeutic drug and siRNA for reversal of cancer drug resistance. <b>2013</b> , 15, 1		24
1287	Biocompatibility effects of biologically synthesized graphene in primary mouse embryonic fibroblast cells. <b>2013</b> , 8, 393		68
1286	A review of optical imaging and therapy using nanosized graphene and graphene oxide. <i>Biomaterials</i> , <b>2013</b> , 34, 9519-34	15.6	137
1285	Multifunctional nanostructured membrane for clean water reclamation from wastewater with various pH conditions. <b>2013</b> , 3, 15202		15
1284	Self-organization of Zr(IV) porphyrinoids on graphene oxide surfaces by axial metal coordination. <b>2013</b> , 52, 10576-82		15
1283	Synergistic targeting of cell membrane, cytoplasm, and nucleus of cancer cells using rod-shaped nanoparticles. <b>2013</b> , 7, 9558-70		84
1282	Self-assembled graphene-dextran nanohybrid for killing drug-resistant cancer cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 7181-9	9.5	58
1281	Contributions of altered permeability of intestinal barrier and defecation behavior to toxicity formation from graphene oxide in nematode <i>Caenorhabditis elegans</i> . <b>2013</b> , 5, 9934-43		151
1280	Hyaluronan nanocarriers for CD44-targeted and pH-boosted aromatic drug delivery. <b>2013</b> , 1, 5686-5693		17
1279	Hydroxyethylated graphene oxide as potential carriers for methotrexate delivery. <b>2013</b> , 15, 1		16
1278	Graphene oxide decorated diatom silica particles as new nano-hybrids: towards smart natural drug microcarriers. <b>2013</b> , 1, 6302-6311		79
1277	Preparation and Characterization of Magnetic Graphene Oxide. <b>2013</b> , 774-776, 532-535		4
1276	Size-dependent nanographene oxide as a platform for efficient carboplatin release. <b>2013</b> , 1, 6107-6114		22
1275	Graphene oxide wrapped gold nanoparticles for intracellular Raman imaging and drug delivery. <b>2013</b> , 1, 6495-6500		120
1274	Combination of TNF- $\alpha$ and graphene oxide-loaded BEZ235 to enhance apoptosis of PIK3CA mutant colorectal cancer cells. <b>2013</b> , 1, 5602-5610		13
1273	Interaction of Ru(phen)Cl with graphene oxide and its application for DNA detection both in vitro and in vivo. <b>2013</b> , 1, 4146-4151		31
1272	PEGylated reduced graphene oxide as a superior ssRNA delivery system. <b>2013</b> , 1, 749-755		84

1271	Magnetic Fe <sub>3</sub> O <sub>4</sub> -graphene composites as targeted drug nanocarriers for pH-activated release. <b>2013</b> , 5, 1143-52		127
1270	Graphene and its derivatives for cell biotechnology. <b>2013</b> , 138, 72-86		40
1269	Graphene-based anticancer nanosystem and its biosafety evaluation using a zebrafish model. <i>Biomacromolecules</i> , <b>2013</b> , 14, 358-66	6.9	49
1268	Biocompatibility of microbially reduced graphene oxide in primary mouse embryonic fibroblast cells. <b>2013</b> , 105, 58-66		62
1267	Graphene-related nanomaterials: tuning properties by functionalization. <b>2013</b> , 5, 4541-83		524
1266	Graphene oxide based fluorescent nanocomposites for cellular imaging. <b>2013</b> , 1, 512-521		88
1265	Cytoprotective effects of graphene oxide for mammalian cells against internalization of exogenous materials. <b>2013</b> , 5, 1669-77		24
1264	pH-dependent surface-enhanced Raman scattering of aromatic molecules on graphene oxide. <b>2013</b> , 44, 75-80		13
1263	Induction of cell death by graphene in <i>Arabidopsis thaliana</i> (Columbia ecotype) T87 cell suspensions. <b>2013</b> , 260, 1032-41		59
1262	Metal-decorated graphene oxide for ammonia adsorption. <b>2013</b> , 103, 28007		14
1261	Preparation and functionalization of graphene nanocomposites for biomedical applications. <b>2013</b> , 8, 2392-403		242
1260	Graphene based materials for biomedical applications. <b>2013</b> , 16, 365-373		467
1259	Graphene-based photothermal agent for rapid and effective killing of bacteria. <b>2013</b> , 7, 1281-90		425
1258	pH-sensitive nanocargo based on smart polymer functionalized graphene oxide for site-specific drug delivery. <b>2013</b> , 15, 5176-85		60
1257	Uniform ultrasmall graphene oxide nanosheets with low cytotoxicity and high cellular uptake. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 1761-7	9.5	143
1256	Biomedical applications of graphene and graphene oxide. <b>2013</b> , 46, 2211-24		1179
1255	Graphene: promises, facts, opportunities, and challenges in nanomedicine. <b>2013</b> , 113, 3407-24		563
1254	Biocompatibility of poly(lactic acid) with incorporated graphene-based materials. <b>2013</b> , 104, 229-38		112

1253	New horizons for diagnostics and therapeutic applications of graphene and graphene oxide. <b>2013</b> , 25, 168-86	494
1252	Graphene oxide as a nanocarrier for loading and delivery of medicinal drugs and as a biosensor for detection of serum albumin. <b>2013</b> , 769, 40-8	36
1251	Nano-graphene in biomedicine: theranostic applications. <b>2013</b> , 42, 530-47	1297
1250	PEGylated denatured bovine serum albumin modified water-soluble inorganic nanocrystals as multifunctional drug delivery platforms. <b>2013</b> , 1, 1289-1295	46
1249	Genotoxicity of graphene nanoribbons in human mesenchymal stem cells. <b>2013</b> , 54, 419-431	213
1248	Carbon-based nanomaterials: multifunctional materials for biomedical engineering. <b>2013</b> , 7, 2891-7	573
1247	Prospects and challenges of graphene in biomedical applications. <b>2013</b> , 25, 2258-68	497
1246	Graphene nanogrids for selective and fast osteogenic differentiation of human mesenchymal stem cells. <b>2013</b> , 59, 200-211	192
1245	Recent advancements of graphene in biomedicine. <b>2013</b> , 1, 2542-2567	153
1244	Nano-graphene oxide: a potential multifunctional platform for cancer therapy. <b>2013</b> , 2, 1072-90	128
1243	Targeted and pH-responsive delivery of doxorubicin to cancer cells using multifunctional dendrimer-modified multi-walled carbon nanotubes. <b>2013</b> , 2, 1267-76	89
1242	One-pot green synthesis of graphene oxide/gold nanocomposites as SERS substrates for malachite green detection. <b>2013</b> , 138, 3075-81	89
1241	Inducible graphene oxide probe for high-specific tumor diagnosis. <b>2013</b> , 49, 3902-4	24
1240	Hyaluronic acid-conjugated graphene oxide/photosensitizer nanohybrids for cancer targeted photodynamic therapy. <b>2013</b> , 1, 1678-1686	142
1239	Graphene nanomesh promises extremely efficient in vivo photothermal therapy. <i>Small</i> , <b>2013</b> , 9, 3593-6011	284
1238	The immunotoxicity of graphene oxides and the effect of PVP-coating. <i>Biomaterials</i> , <b>2013</b> , 34, 5254-61	15.6 148
1237	Carbon nanostructures as multi-functional drug delivery platforms. <b>2013</b> , 1, 401-428	149
1236	Hollow luminescent carbon dots for drug delivery. <b>2013</b> , 59, 192-199	342

1235	The use of polyethylenimine-modified graphene oxide as a nanocarrier for transferring hydrophobic nanocrystals into water to produce water-dispersible hybrids for use in drug delivery. <b>2013</b> , 57, 120-129		82
1234	Graphene-based magnetic plasmonic nanocomposite for dual bioimaging and photothermal therapy. <i>Biomaterials</i> , <b>2013</b> , 34, 4786-93	15.6	282
1233	Adsorbent for hydroquinone removal based on graphene oxide functionalized with magnetic cyclodextrin-chitosan. <b>2013</b> , 58, 169-75		84
1232	Preparation and application of thionin-bridged graphene-gold nanoparticle nanohybrids. <b>2013</b> , 1, 1432-1438		28
1231	Efficient temperature sensing platform based on fluorescent block copolymer-functionalized graphene oxide. <b>2013</b> , 5, 5720-4		41
1230	Synthesis of a biocompatible gelatin functionalized graphene nanosheets and its application for drug delivery. <b>2013</b> , 33, 2827-37		110
1229	Preparation of Polyethylenimine-Functionalized Graphene Oxide Composite and Its Application in Electrochemical Ammonia Sensors. <b>2013</b> , 25, 523-530		41
1228	Polyethylene glycol and polyethylenimine dual-functionalized nano-graphene oxide for photothermally enhanced gene delivery. <i>Small</i> , <b>2013</b> , 9, 1989-97	11	336
1227	Folic acid-conjugated graphene oxide for cancer targeted chemo-photothermal therapy. <b>2013</b> , 120, 156-62		179
1226	Fabrication of reduced graphene oxide and silver nanoparticle hybrids for Raman detection of absorbed folic acid: a potential cancer diagnostic probe. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 4760-8	9.5	84
1225	Modified enzyme-linked immunosorbent assay strategy using graphene oxide sheets and gold nanoparticles functionalized with different antibody types. <b>2013</b> , 85, 6228-32		50
1224	A facile and green method to fabricate graphene-based multifunctional hydrogels for miniature-scale water purification. <b>2013</b> , 3, 9240		57
1223	In vivo biodistribution and toxicology of functionalized nano-graphene oxide in mice after oral and intraperitoneal administration. <i>Biomaterials</i> , <b>2013</b> , 34, 2787-95	15.6	317
1222	Quantum-dot-conjugated graphene as a probe for simultaneous cancer-targeted fluorescent imaging, tracking, and monitoring drug delivery. <b>2013</b> , 24, 387-97		146
1221	Graphene-based materials biocompatibility: a review. <b>2013</b> , 111, 188-202		396
1220	Bipyrene-functionalized graphene as a "turn-on" fluorescence sensor for manganese(II) ions in living cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 592-7	9.5	69
1219	Graphene oxide as nanocarrier for sensitive electrochemical immunoassay of clenbuterol based on labeling amplification strategy. <b>2013</b> , 107, 176-82		32
1218	The toxicity of graphene oxides: dependence on the oxidative methods used. <b>2013</b> , 19, 8227-35		119

1217	Carboxylic acid functionalization prevents the translocation of multi-walled carbon nanotubes at predicted environmentally relevant concentrations into targeted organs of nematode <i>Caenorhabditis elegans</i> . <b>2013</b> , 5, 6088-96		87
1216	Purified graphene oxide dispersions lack in vitro cytotoxicity and in vivo pathogenicity. <b>2013</b> , 2, 433-41		145
1215	Incorporating graphene oxide and gold nanoclusters: a synergistic catalyst with surprisingly high peroxidase-like activity over a broad pH range and its application for cancer cell detection. <b>2013</b> , 25, 2594-9		372
1214	Graphene oxide-silver nanocomposite as a highly effective antibacterial agent with species-specific mechanisms. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 3867-74	9.5	348
1213	Functionalization of graphene oxide generates a unique interface for selective serum protein interactions. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 1370-7	9.5	80
1212	A new type of pH-responsive coordination polymer sphere as a vehicle for targeted anticancer drug delivery and sustained release. <b>2013</b> , 1, 3202-3208		120
1211	Insight into the cellular internalization and cytotoxicity of graphene quantum dots. <b>2013</b> , 2, 1613-9		155
1210	Graphene oxide mediated delivery of methylene blue for combined photodynamic and photothermal therapy. <i>Biomaterials</i> , <b>2013</b> , 34, 6239-48	15.6	294
1209	Synthesis and properties of oval-shaped iron oxide/ethylene glycol mesostructured nanosheets. <b>2013</b> , 19, 5442-9		6
1208	Orthogonal adsorption onto nano-graphene oxide using different intermolecular forces for multiplexed delivery. <b>2013</b> , 25, 4087-92		41
1207	Nanographene oxide-based radioimmunoconstructs for in vivo targeting and SPECT imaging of HER2-positive tumors. <i>Biomaterials</i> , <b>2013</b> , 34, 1146-54	15.6	71
1206	The effects of graphene oxide nanosheets localized on F-actin filaments on cell-cycle alterations. <i>Biomaterials</i> , <b>2013</b> , 34, 1562-9	15.6	120
1205	Graphene oxide based theranostic platform for T1-weighted magnetic resonance imaging and drug delivery. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 13325-32	9.5	75
1204	Environmentally friendly, one-pot synthesis of folic acid-decorated graphene oxide-based drug delivery system. <b>2013</b> , 15, 1		12
1203	Favorable adsorption of capped amino acids on graphene substrate driven by desolvation effect. <b>2013</b> , 139, 174711		35
1202	Graphene oxide-based drug delivery vehicles: functionalization, characterization, and cytotoxicity evaluation. <b>2013</b> , 15, 1		59
1201	Differentiation of human neural stem cells into neural networks on graphene nanogrids. <b>2013</b> , 1, 6291-6301		140
1200	Ultra-high payload of doxorubicin and pH-responsive drug release in CuS nanocages for a combination of chemotherapy and photothermal therapy. <b>2013</b> , 3, 23133		22



1199	A versatile multicomponent assembly via Cyclodextrin host-guest chemistry on graphene for biomedical applications. <i>Small</i> , <b>2013</b> , 9, 446-56	11	65
1198	Behavior and toxicity of graphene and its functionalized derivatives in biological systems. <i>Small</i> , <b>2013</b> , 9, 1492-503	11	353
1197	Polyacrylic Acid Functionalized Nanographene as a Nanocarrier for Loading and Controlled Release of Doxorubicin Hydrochloride. <b>2013</b> , 2013, 1-8		14
1196	In vitro evaluation of the effects of graphene platelets on glioblastoma multiforme cells. <b>2013</b> , 8, 413-20		87
1195	Graphene oxide-reinforced biodegradable genipin-cross-linked chitosan fluorescent biocomposite film and its cytocompatibility. <b>2013</b> , 8, 3415-26		53
1194	Programmable hydrogenation of graphene for novel nanocages. <i>Scientific Reports</i> , <b>2013</b> , 3, 3162	4.9	42
1193	Antibacterial Activity of Chemically Reduced Graphene Oxide Assembly with Chitosan through Noncovalent Interactions. <b>2013</b> , 42, 66-67		13
1192	Green synthesis of graphene and its cytotoxic effects in human breast cancer cells. <b>2013</b> , 8, 1015-27		144
1191	Review of and perspectives on the toxicology of graphene-based materials. <b>2013</b> , 14, 863-71		11
1190	Chlorotoxin-conjugated graphene oxide for targeted delivery of an anticancer drug. <b>2014</b> , 9, 1433-42		49
1189	Polyethylene glycol-coated graphene oxide attenuates antigen-specific IgE production and enhanced antigen-induced T-cell reactivity in ovalbumin-sensitized BALB/c mice. <b>2014</b> , 9, 4257-66		15
1188	Multifunctional nanocomposites of Fe <sub>3</sub> O <sub>4</sub> -graphene-Au for repeated use in simultaneous adsorption, in situ SERS detection and catalytic reduction of 4-nitrophenol in water. <b>2014</b> , 1, 045049		9
1187	Facile fabrication of graphene oxide loaded with silver nanoparticles as antifungal materials. <b>2014</b> , 1, 045007		13
1186	The effect of pristine carbon-based nanomaterial on the growth of green gram sprouts and pH of water. <b>2014</b> , 9, 583		15
1185	MOLECULAR DYNAMICS STUDY OF PTX ADSORPTION ONTO N-DOPED GRAPHENE IN VACUUM AND AQUEOUS ENVIRONMENTS. <b>2014</b> , 09, 1450088		4
1184	Graphene oxide coating facilitates the bioactivity of scaffold material for tissue engineering. <b>2014</b> , 53, 06JD04		42
1183	Folate/NIR 797-conjugated albumin magnetic nanospheres: synthesis, characterisation, and in vitro and in vivo targeting evaluation. <b>2014</b> , 9, e106483		13
1182	Cytotoxicity of PEGylated graphene oxide on lymphoma cells. <b>2014</b> , 24, 2135-41		6

1181	Hall effect on thermal instability in a horizontal layer of nanofluid saturated in a porous medium. <b>2014</b> , 3, 58		2
1180	A facile strategy to enable nanoparticles for simultaneous phase transfer, folate receptor targeting, and cisplatin delivery. <b>2014</b> , 4, 56713-56721		12
1179	Design of multifunctional FePt/GO nanocomposites for targeting, dual-modal imaging diagnostic and in situ therapeutic potential theranostic platform. <b>2014</b> , 4, 58489-58494		20
1178	Carbon-based Materials in Biomedicine. <b>2014</b> , 175-192		
1177	Reduced aggregation and cytotoxicity of amyloid peptides by graphene oxide/gold nanocomposites prepared by pulsed laser ablation in water. <i>Small</i> , <b>2014</b> , 10, 4386-94	11	27
1176	Structural disruption increases toxicity of graphene nanoribbons. <b>2014</b> , 34, 1235-46		32
1175	Synergistic anticancer activity of photo- and chemoresponsive nanoformulation based on polylysine-functionalized graphene. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 21615-23	9.5	60
1174	Antitumor efficacy of a PLGA composite nanofiber embedded with doxorubicin@MSNs and hydroxycamptothecin@HANPs. <b>2014</b> , 4, 53344-53351		33
1173	Enhancement of Hydrophobicity and Thermal Property of Graphene Oxide by Paratoluidine Chemical Functionalization. <b>2014</b> , 809-810, 243-247		
1172	Technological developments and future perspectives on graphene-based metamaterials: a primer for neurosurgeons. <b>2014</b> , 74, 499-516; discussion 516		21
1171	Photosensitizer loaded nano-graphene for multimodality imaging guided tumor photodynamic therapy. <b>2014</b> , 4, 229-39		183
1170	Carbon-based smart nanomaterials in biomedicine and neuroengineering. <b>2014</b> , 5, 1849-63		69
1169	Synthesis of Ag-In-Zn-S alloyed nanorods and their biological application. <b>2014</b> , 25, 485702		5
1168	Facile and green reduction of covalently PEGylated nanographene oxide via a 'water-only' route for high-efficiency photothermal therapy. <b>2014</b> , 9, 86		32
1167	MRI-visualized, dual-targeting, combined tumor therapy using magnetic graphene-based mesoporous silica. <i>Small</i> , <b>2014</b> , 10, 109-16	11	72
1166	Accelerated differentiation of neural stem cells into neurons on ginseng-reduced graphene oxide sheets. <b>2014</b> , 66, 395-406		187
1165	Ultrasensitive photoelectrochemical immunoassay of antibody against tumor-associated carbohydrate antigen amplified by functionalized graphene derivatives and enzymatic biocatalytic precipitation. <b>2014</b> , 59, 21-7		35
1164	Folate conjugated trimethyl chitosan/graphene oxide nanocomplexes as potential carriers for drug and gene delivery. <b>2014</b> , 125, 82-85		46

1163	Hierarchical sulfonated graphene oxide//TiO <sub>2</sub> composites for highly efficient hydrogen production with a wide pH range. <b>2014</b> , 147, 888-896		34
1162	Assessment of the toxic potential of graphene family nanomaterials. <b>2014</b> , 22, 105-115		301
1161	The effects of graphene nanostructures on mesenchymal stem cells. <i>Biomaterials</i> , <b>2014</b> , 35, 4863-4877	15.6	188
1160	Recent advances in the use of graphene-family nanoadsorbents for removal of toxic pollutants from wastewater. <b>2014</b> , 204, 35-56		367
1159	Density functional study on noncovalent functionalization of pyrazinamide chemotherapeutic with graphene and its prototypes. <i>New Journal of Chemistry</i> , <b>2014</b> , 38, 1116	3.6	26
1158	Engineered design of theranostic upconversion nanoparticles for tri-modal upconversion luminescence/magnetic resonance/X-ray computed tomography imaging and targeted delivery of combined anticancer drugs. <b>2014</b> , 2, 1379-1389		68
1157	Graphene for multi-functional synthetic biology: the last 'zeitgeist' in nanomedicine. <b>2014</b> , 24, 1638-49		50
1156	Gold nanorod-assembled PEGylated graphene-oxide nanocomposites for photothermal cancer therapy. <b>2014</b> , 90, 659-66		61
1155	Direct growth of Pt@Ag nanochains on tailorable graphene oxide with a green, in situ, template-free method and its biosensing application. <b>2014</b> , 139, 2560-4		1
1154	Facile one-pot synthesis of folic acid-modified graphene to improve the performance of graphene-based sensing strategy. <i>Journal of Colloid and Interface Science</i> , <b>2014</b> , 426, 293-9	9.3	12
1153	Zinc ferrite spinel-graphene in magneto-photothermal therapy of cancer. <b>2014</b> , 2, 3306-3314		104
1152	Synthesis, characterization and cytotoxicity of phosphorylcholine oligomer grafted graphene oxide. <b>2014</b> , 71, 166-175		25
1151	Efficient colorimetric pH sensor based on responsive polymer-quantum dot integrated graphene oxide. <b>2014</b> , 8, 2848-56		132
1150	Chemical Functionalization of Graphene for Biomedical Applications. <b>2014</b> , 95-138		8
1149	Immobilization of Enzymes and other Biomolecules on Graphene. <b>2014</b> , 139-172		1
1148	Cellular uptake and distribution of graphene oxide coated with layer-by-layer assembled polyelectrolytes. <b>2014</b> , 16, 1		13
1147	Ceramic Nanoparticles for Cancer Treatment. <b>2014</b> , 421-455		5
1146	Combination of chemotherapy and photodynamic therapy using graphene oxide as drug delivery system. <b>2014</b> , 135, 7-16		82

1145	Polyamidoamine dendrimer and oleic acid-functionalized graphene as biocompatible and efficient gene delivery vectors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 8173-83	9.5	89
1144	Synthesis of graphene from natural and industrial carbonaceous wastes. <b>2014</b> , 4, 20441		127
1143	Carbon-based drug delivery carriers for cancer therapy. <b>2014</b> , 37, 43-52		67
1142	Positive graphene by chemical design: tuning supramolecular strategies for functional surfaces. <b>2014</b> , 50, 885-7		25
1141	Inorganic nanoparticle-based drug codelivery nanosystems to overcome the multidrug resistance of cancer cells. <b>2014</b> , 11, 2495-510		120
1140	Electrically controlled drug delivery from graphene oxide nanocomposite films. <b>2014</b> , 8, 1834-43		293
1139	Hyaluronic acid conjugated graphene oxide for targeted drug delivery. <b>2014</b> , 69, 379-389		116
1138	Functional materials from the covalent modification of reduced graphene oxide and Cyclodextrin as a drug delivery carrier. <i>New Journal of Chemistry</i> , <b>2014</b> , 38, 140-145	3.6	35
1137	Characterisation and drug release performance of biodegradable chitosan-graphene oxide nanocomposites. <b>2014</b> , 103, 70-80		156
1136	Nanotoxicity of graphene and graphene oxide. <b>2014</b> , 27, 159-68		570
1135	Insulin loaded iron magnetic nanoparticle-graphene oxide composites: synthesis, characterization and application for in vivo delivery of insulin. <b>2014</b> , 4, 865-875		31
1134	Graphene-based nanomaterials for drug delivery and tissue engineering. <b>2014</b> , 173, 75-88		896
1133	Easy preparation of an MRI contrast agent with high longitudinal relaxivity based on gadolinium ions-loaded graphene oxide. <b>2014</b> , 4, 53987-53992		13
1132	Dual drug loaded vitamin D3 nanoparticle to target drug resistance in cancer. <b>2014</b> , 4, 57271-57281		11
1131	NIR-Triggered Synergic Photo-chemothermal Therapy Delivered by Reduced Graphene Oxide/Carbon/Mesoporous Silica Nanocookies. <b>2014</b> , 24, 451-459		85
1130	Toxicology of chemically modified graphene-based materials for medical application. <b>2014</b> , 88, 1987-2012		55
1129	Functionalized nanoscale graphene oxide for high efficient drug delivery of cisplatin. <b>2014</b> , 16, 1		30
1128	Phototherapeutic functionality of biocompatible graphene oxide/dendrimer hybrids. <b>2014</b> , 121, 469-73		20

1127	Graphene oxide as a nanocarrier for gramicidin (GOGD) for high antibacterial performance. <b>2014</b> , 4, 50035-50046	46
1126	One-step synthesis of porous graphene-based hydrogels containing oil droplets for drug delivery. <b>2014</b> , 4, 3211-3218	27
1125	Multifunctional MnO <sub>2</sub> nanosheet-modified Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> /NaYF <sub>4</sub> :Yb, Er nanocomposites as novel drug carriers. <b>2014</b> , 43, 451-7	42
1124	Interaction of graphene oxide with human serum albumin and its mechanism. <b>2014</b> , 4, 55290-55295	43
1123	Selectively self-assembling graphene nanoribbons with shaped iron oxide nanoparticles. <b>2014</b> , 4, 33127-33133	7
1122	Porous conducting polymer and reduced graphene oxide nanocomposites for room temperature gas detection. <b>2014</b> , 4, 42546-42553	40
1121	Nano graphene oxide/hyaluronic acid conjugate for target specific cancer drug delivery. <b>2014</b> , 4, 14197	43
1120	Assembly of gold nanoparticles on like-charge graphene oxide for fast release of hydrophobic molecules. <b>2014</b> , 4, 5834	5
1119	A quantitative study of the intracellular concentration of graphene/noble metal nanoparticle composites and their cytotoxicity. <b>2014</b> , 6, 8535-42	58
1118	Towards Novel Multifunctional Pillared Nanostructures: Effective Intercalation of Adamantylamine in Graphene Oxide and Smectite Clays. <b>2014</b> , 24, 5841-5850	25
1117	Molecular dynamics study on graphene-mediated pyrazinamide drug delivery onto the pncA protein. <b>2014</b> , 4, 24944-24954	4
1116	A small-sized graphene oxide supramolecular assembly for targeted delivery of camptothecin. <b>2014</b> , 50, 13066-9	57
1115	Single-walled carbon nanotube and graphene nanodelivery of gambogic acid increases its cytotoxicity in breast and pancreatic cancer cells. <b>2014</b> , 34, 1188-99	42
1114	Aptamer-mediated nanocomposites of semiconductor quantum dots and graphene oxide as well as their applications in intracellular imaging and targeted drug delivery. <b>2014</b> , 2, 8558-8565	22
1113	Systemic Administration of Polymer-Coated Nano-Graphene to Deliver Drugs to Glioblastoma. <b>2014</b> , 31, 886-894	29
1112	One-step in situ biosynthesis of graphene oxide-bacterial cellulose nanocomposite hydrogels. <b>2014</b> , 35, 1706-11	99
1111	In vitro hemocompatibility and toxic mechanism of graphene oxide on human peripheral blood T lymphocytes and serum albumin. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 19797-807	9.5 71
1110	Perylene derivative-bridged Au-graphene nanohybrid for label-free HpDNA biosensor. <b>2014</b> , 2, 3142-3148	25

1109	Biocompatible graphene oxide as a folate receptor-targeting drug delivery system for the controlled release of anti-cancer drugs. <b>2014</b> , 4, 24232-24239		45
1108	Fabrication and characterization of flexible silk fibroin films reinforced with graphene oxide for biomedical applications. <b>2014</b> , 4, 40312-40320		42
1107	Graphene-polydopamine-C nanohybrid: an efficient protective agent for NO-induced cytotoxicity in rat pheochromocytoma cells. <b>2014</b> , 2, 8587-8597		23
1106	In vivo SPECT imaging of tumors by 198,199Au-labeled graphene oxide nanostructures. <b>2014</b> , 45, 196-204		92
1105	The use of graphene in the self-organized differentiation of human neural stem cells into neurons under pulsed laser stimulation. <b>2014</b> , 2, 5602-5611		81
1104	Albumin-graphene oxide conjugates; carriers for anticancer drugs. <b>2014</b> , 4, 33001		28
1103	Novel GO-COO-βCD/CA inclusion: its blood compatibility, antibacterial property and drug delivery. <b>2014</b> , 21, 362-9		13
1102	Immune response is required for the control of in vivo translocation and chronic toxicity of graphene oxide. <b>2014</b> , 6, 5894-906		104
1101	Mitigating the Cytotoxicity of Graphene Quantum Dots and Enhancing Their Applications in Bioimaging and Drug Delivery. <b>2014</b> , 3, 1064-1068		76
1100	Molecular signals regulating translocation and toxicity of graphene oxide in the nematode <i>Caenorhabditis elegans</i> . <b>2014</b> , 6, 11204-12		68
1099	In situ polymerization deposition of porous conducting polymer on reduced graphene oxide for gas sensor. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 13807-14	9.5	116
1098	Nano graphene oxide: a novel carrier for oral delivery of flavonoids. <b>2014</b> , 123, 331-8		64
1097	Structure effect of carbon nanovectors in regulation of cellular responses. <i>Biomaterials Science</i> , <b>2014</b> , 2, 57-66	7.4	4
1096	In vitro evaluation of graphene oxide nanosheets on immune function. <i>Journal of Colloid and Interface Science</i> , <b>2014</b> , 432, 221-8	9.3	48
1095	Smart pH-responsive nanocarriers based on nano-graphene oxide for combined chemo- and photothermal therapy overcoming drug resistance. <b>2014</b> , 3, 1261-71		132
1094	Spongy graphene electrode in electrochemical detection of leukemia at single-cell levels. <b>2014</b> , 79, 654-663		87
1093	Iron-oxide-supported nanocarbon in lithium-ion batteries, medical, catalytic, and environmental applications. <b>2014</b> , 8, 7571-612		128
1092	Cyclic RGD-modified chitosan/graphene oxide polymers for drug delivery and cellular imaging. <b>2014</b> , 122, 332-340		65

1091	Biocleavable graphene oxide based-nanohybrids synthesized via ATRP for gene/drug delivery. <b>2014</b> , 6, 6141-50		47
1090	Cyto and genotoxicities of graphene oxide and reduced graphene oxide sheets on spermatozoa. <b>2014</b> , 4, 27213		99
1089	Graphene oxide nanoribbons exhibit significantly greater toxicity than graphene oxide nanoplatelets. <b>2014</b> , 6, 10792-7		56
1088	Surface engineering of graphene-based nanomaterials for biomedical applications. <b>2014</b> , 25, 1609-19		102
1087	Multifunctional graphene quantum dots for simultaneous targeted cellular imaging and drug delivery. <b>2014</b> , 122, 638-644		225
1086	SERS-fluorescence monitored drug release of a redox-responsive nanocarrier based on graphene oxide in tumor cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 17526-33	9.5	63
1085	Magnetic graphene-based nanotheranostic agent for dual-modality mapping guided photothermal therapy in regional lymph nodal metastasis of pancreatic cancer. <i>Biomaterials</i> , <b>2014</b> , 35, 9473-83	15.6	111
1084	Ultra-sensitive detection of leukemia by graphene. <b>2014</b> , 6, 14810-9		78
1083	Inorganic nanomaterials for bioimaging, targeted drug delivery and therapeutics. <b>2014</b> , 50, 14071-81		189
1082	Cytotoxicity of protein corona-graphene oxide nanoribbons on human epithelial cells. <b>2014</b> , 320, 596-601		38
1081	Hyaluronic acid-decorated graphene oxide nanohybrids as nanocarriers for targeted and pH-responsive anticancer drug delivery. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 11882-90	9.5	137
1080	Covalent functionalization of graphene oxide with biocompatible poly(ethylene glycol) for delivery of paclitaxel. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 17268-76	9.5	187
1079	Graphene oxide enhances cellular delivery of hydrophilic small molecules by co-incubation. <b>2014</b> , 8, 10168-77		52
1078	Fabrication of Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> @TiO <sub>2</sub> nanoparticles supported by graphene oxide sheets for the repeated adsorption and photocatalytic degradation of rhodamine B under UV irradiation. <b>2014</b> , 43, 13537-44		73
1077	Functional two-dimensional nanoarchitectures based on chemically converted graphene oxide and hematoporphyrin under the sulfuric acid treatment. <b>2014</b> , 255, 577-584		14
1076	PEGylated graphene oxide as a nanocarrier for podophyllotoxin. <b>2014</b> , 16, 1		20
1075	Endocytic mechanisms of graphene oxide nanosheets in osteoblasts, hepatocytes and macrophages. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 13697-706	9.5	125
1074	Synthesis and antibacterial activities of graphene decorated with stannous dioxide. <b>2014</b> , 4, 3708-3717		21

1073	Response of microRNAs to in vitro treatment with graphene oxide. <b>2014</b> , 8, 2100-10		75
1072	Carbohydrate coated, folate functionalized colloidal graphene as a nanocarrier for both hydrophobic and hydrophilic drugs. <b>2014</b> , 6, 2752-8		69
1071	Highly water-soluble, porous, and biocompatible boron nitrides for anticancer drug delivery. <b>2014</b> , 8, 6123-30		307
1070	Graphene oxide@Fe <sub>3</sub> O <sub>4</sub> nanocomposite for combination of dual-drug chemotherapy with photothermal therapy. <b>2014</b> , 4, 18473-18484		37
1069	Patterned substrates of nano-graphene oxide mediating highly localized and efficient gene delivery. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 5900-7	9.5	31
1068	Synthesis, mechanical properties, and in vitro biocompatibility with osteoblasts of calcium silicate-reduced graphene oxide composites. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 3947-62	9.5	131
1067	An ultra-fast and highly efficient multiple proteases digestion strategy using graphene-oxide-based immobilized protease reagents. <b>2014</b> , 57, 695-702		9
1066	Carbon nanoparticles for gene transfection in eukaryotic cell lines. <b>2014</b> , 39, 359-70		18
1065	Uniform small graphene oxide as an efficient cellular nanocarrier for immunostimulatory CpG oligonucleotides. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 7926-32	9.5	39
1064	Ultrasmall Graphene Oxide Supported Gold Nanoparticles as Adjuvants Improve Humoral and Cellular Immunity in Mice. <b>2014</b> , 24, 6963-6971		52
1063	Detection of microRNA in tumor cells using exonuclease III and graphene oxide-regulated signal amplification. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 21780-7	9.5	42
1062	Development of atom transfer radical polymer-modified gold nanoparticle-based enzyme-linked immunosorbent assay (ELISA). <b>2014</b> , 86, 10021-4		28
1061	Graphene oxide based magnetic nanocomposites for efficient treatment of breast cancer. <b>2014</b> , 37, 278-85		28
1060	Competitive adsorption of dopamine and rhodamine 6G on the surface of graphene oxide. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 2459-70	9.5	138
1059	pH/redox/photo responsive polymeric micelle via boronate ester and disulfide bonds with spiropyran-based photochromic polymer for cell imaging and anticancer drug delivery. <b>2014</b> , 57, 1-10		59
1058	The in vitro and in vivo toxicity of graphene quantum dots. <i>Biomaterials</i> , <b>2014</b> , 35, 5041-8	15.6	359
1057	Body temperature reduction of graphene oxide through chitosan functionalisation and its application in drug delivery. <b>2014</b> , 34, 50-3		37
1056	Interaction of propidium iodide with graphene oxide and its application for live cell staining. <b>2014</b> , 71, 190-195		13



1055	Adsorption of polycyclic aromatic hydrocarbons by graphene and graphene oxide nanosheets. <b>2014</b> , 48, 4817-25		539
1054	Gelatin functionalized graphene oxide for mineralization of hydroxyapatite: biomimetic and in vitro evaluation. <b>2014</b> , 6, 5315-22		74
1053	Fluorescence immunoassay based on carbon dots as labels for the detection of human immunoglobulin G. <b>2014</b> , 6, 4430-4436		44
1052	Nanomaterial-based biosensors for food toxin detection. <b>2014</b> , 174, 880-96		73
1051	Graphene based porous coatings with antibacterial and antithrombogenic function <b>Materials and design</b> . <b>2014</b> , 14, 540-549		21
1050	Graphene as a photothermal switch for controlled drug release. <b>2014</b> , 6, 7947-53		43
1049	Graphene oxide sheets involved in vertically aligned zinc oxide nanowires for visible light photoinactivation of bacteria. <b>2014</b> , 612, 380-385		62
1048	Non-covalent synthesis of thermo-responsive graphene oxide-erythrosin containing poly(N-isopropylacrylamide) hybrid for organic pigment removal. <i>Journal of Colloid and Interface Science</i> , <b>2014</b> , 430, 121-8	9-3	23
1047	A green approach for the reduction of graphene oxide nanosheets using non-aromatic amino acids. <b>2014</b> , 76, 193-202		123
1046	Photothermally controlled gene delivery by reduced graphene oxide-polyethylenimine nanocomposite. <i>Small</i> , <b>2014</b> , 10, 117-26	11	215
1045	Reducing X-Ray Induced Oxidative Damages in Fibroblasts with Graphene Oxide. <b>2014</b> , 4, 522-534		30
1044	WITHDRAWN: PEI-functionalized graphene oxide for hydrophobic drug and gene delivery. <b>2014</b> ,		
1043	Graphene/Inorganic Hybrids with Cobalt Oxide Polymorphs for Electrochemical Energy Systems and Electrocatalysis: Synthesis, Processing and Properties. <b>2015</b> , 44, 4492-4509		15
1042	Surface Conductive Graphene-Wrapped Micromotors Exhibiting Enhanced Motion. <i>Small</i> , <b>2015</b> , 11, 5023-7		27
1041	Chemistry of Boron Nitride Nanosheets. <b>2015</b> , 386-427		1
1040	Graphene and Graphene Derivatives in Biosensing, Imaging, Therapeutics, and Genetic Engineering. <b>2015</b> , 1, 386-420		
1039	Novel Carbon-Based Nanoadsorbents for Removal of Synthetic Textile Dyes from Wastewaters. <b>2015</b> , 35-82		2
1038	- Chemical Functionalization as an Approach for the Creation of Arrays of Graphene Quantum Dots Embedded in Dielectric Matrix. <b>2015</b> , 456-479		3

1037	Nanoparticles for Biotherapeutic Delivery (Volume 2). <b>2015,</b>		
1036	Bistability and pH Hysteresis of Graphene Oxide Solution in Circle AcidBase Titration. <b>2015, 44, 454-456</b>		0
1035	Molecular Dynamics Study of Stability and Diffusion of Graphene-Based Drug Delivery Systems. <b>2015, 2015, 1-14</b>		4
1034	Oxidative stress and antibacterial properties of a graphene oxide-cystamine nanohybrid. <b>2015, 10, 549-56</b>		40
1033	Emerging applications of graphene in drug and gene delivery. <b>2015, 104-116</b>		1
1032	Tumor-Triggered Controlled Drug Release from Electrospun Fibers Using Inorganic Caps for Inhibiting Cancer Relapse. <i>Small</i> , <b>2015, 11, 4284-91</b>	11	63
1031	Recent Advances in Upconversion Nanoparticles-Based Multifunctional Nanocomposites for Combined Cancer Therapy. <b>2015, 27, 7692-712</b>		199
1030	A Review of Patterned Organic Bioelectronic Materials and their Biomedical Applications. <b>2015, 27, 7583-619</b>		60
1029	Current applications of graphene oxide in nanomedicine. <b>2015, 10 Spec Iss, 9-24</b>		61
1028	Fluorescent graphene quantum dots as traceable, pH-sensitive drug delivery systems. <b>2015, 10, 6709-24</b>		67
1027	Sulfonated graphene nanosheets as a superb adsorbent for various environmental pollutants in water. <b>2015, 49, 7364-72</b>		205
1026	New life for an old antibiotic. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015, 7, 7324-33</b>	9.5	21
1025	Graphene Oxide Selectively Enhances Thermostability of Trypsin. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015, 7, 12270-7</b>	9.5	30
1024	Graphene as cancer theranostic tool: progress and future challenges. <b>2015, 5, 710-23</b>		203
1023	Synergistic effects of a novel free-standing reduced graphene oxide film and surface coating fibronectin on morphology, adhesion and proliferation of mesenchymal stem cells. <b>2015, 3, 4338-4344</b>		26
1022	Dihydroartemisinin and transferrin dual-dressed nano-graphene oxide for a pH-triggered chemotherapy. <i>Biomaterials</i> , <b>2015, 62, 35-46</b>	15.6	63
1021	Broad family of carbon nanoallotropes: classification, chemistry, and applications of fullerenes, carbon dots, nanotubes, graphene, nanodiamonds, and combined superstructures. <b>2015, 115, 4744-822</b>		1137
1020	Eccentric magnetic microcapsules for orientation-specific and dual stimuli-responsive drug release. <b>2015, 3, 4530-4538</b>		25

1019	Carbon Nanomaterials for Biological Imaging and Nanomedicinal Therapy. <b>2015</b> , 115, 10816-906	902
1018	Nanodelivery of gambogic acid by functionalized graphene enhances inhibition of cell proliferation and induces G0/G1 cell cycle arrest in cervical, ovarian, and prostate cancer cells. <b>2015</b> , 5, 44022-44030	3
1017	Direct noncovalent conjugation of folic acid on reduced graphene oxide as anticancer drug carrier. <b>2015</b> , 30, 190-196	44
1016	pH-Responsive Cyanine-Grafted Graphene Oxide for Fluorescence Resonance Energy Transfer-Enhanced Photothermal Therapy. <b>2015</b> , 25, 59-67	107
1015	5-Day repeated inhalation and 28-day post-exposure study of graphene. <b>2015</b> , 9, 1023-31	29
1014	Curcumin-reduced graphene oxide sheets and their effects on human breast cancer cells. <b>2015</b> , 55, 482-9	91
1013	Removal and recycling of ppm levels of methylene blue from an aqueous solution with graphene oxide. <b>2015</b> , 5, 27922-27932	61
1012	Prolonged Suppression of Neuropathic Pain by Sequential Delivery of Lidocaine and Thalidomide Drugs Using PEGylated Graphene Oxide. <b>2015</b> , 104, 3851-3860	7
1011	Graphene-based biosensors: methods, analysis and future perspectives. <b>2015</b> , 9, 434-445	28
1010	Biomaterial functionalized graphene oxides with tunable work function for high sensitive organic photodetectors. <b>2015</b> , 5, 99431-99438	15
1009	Thermosensitive hydrogel drug delivery system containing doxorubicin loaded CS@GO nanocarriers for controlled release drug in situ. <b>2015</b> , 30, 294-300	13
1008	Graphene Oxide: A Fertile Nanosheet for Various Applications. <b>2015</b> , 84, 121012	19
1007	Delivery of paclitaxel using PEGylated graphene oxide as a nanocarrier. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 1355-63	9.5 118
1006	Near infrared laser stimulation of human neural stem cells into neurons on graphene nanomesh semiconductors. <b>2015</b> , 126, 313-21	76
1005	A cross-linking graphene oxide-polyethyleneimine hybrid film containing ciprofloxacin: one-step preparation, controlled drug release and antibacterial performance. <b>2015</b> , 3, 1605-1611	40
1004	Facile preparation of doxorubicin-loaded upconversion@polydopamine nanoplateforms for simultaneous in vivo multimodality imaging and chemophotothermal synergistic therapy. <b>2015</b> , 4, 559-68	134
1003	Furin-mediated sequential delivery of anticancer cytokine and small-molecule drug shuttled by graphene. <b>2015</b> , 27, 1021-8	175
1002	A facile one-pot synthesis of starch functionalized graphene as nano-carrier for pH sensitive and starch-mediated drug delivery. <b>2015</b> , 128, 86-93	48

1001	Fluorescence Quenching Nanoprobes Dedicated to In Vivo Photoacoustic Imaging and High-Efficient Tumor Therapy in Deep-Seated Tissue. <i>Small</i> , <b>2015</b> , 11, 2675-86	11	55
1000	ATP-responsive DNA-graphene hybrid nanoaggregates for anticancer drug delivery. <i>Biomaterials</i> , <b>2015</b> , 50, 67-74	15.6	132
999	Using hollow carbon nanospheres as a light-induced free radical generator to overcome chemotherapy resistance. <b>2015</b> , 137, 1947-55		164
998	Biomimetic Selective Ion Transport through Graphene Oxide Membranes Functionalized with Ion Recognizing Peptides. <b>2015</b> , 27, 1255-1261		37
997	Green and facile synthesis of highly biocompatible carbon nanospheres and their pH-responsive delivery of doxorubicin to cancer cells. <b>2015</b> , 5, 17532-17540		16
996	Pretreatment with paeonol prevents the adverse effects and alters the translocation of multi-walled carbon nanotubes in nematode <i>Caenorhabditis elegans</i> . <b>2015</b> , 5, 8942-8951		28
995	Ecotoxicological effects of graphene oxide on the protozoan <i>Euglena gracilis</i> . <b>2015</b> , 128, 184-90		79
994	Functionalized graphene/C60 nanohybrid for targeting photothermally enhanced photodynamic therapy. <b>2015</b> , 5, 654-664		34
993	Enhanced proliferation and osteogenic differentiation of mesenchymal stem cells on graphene oxide-incorporated electrospun poly(lactic-co-glycolic acid) nanofibrous mats. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 6331-9	9.5	246
992	Myoblast differentiation of human mesenchymal stem cells on graphene oxide and electrospun graphene oxide-polymer composite fibrous meshes: importance of graphene oxide conductivity and dielectric constant on their biocompatibility. <b>2015</b> , 7, 015009		75
991	Graphene Oxide as a Multifunctional Platform for Raman and Fluorescence Imaging of Cells. <i>Small</i> , <b>2015</b> , 11, 3000-5	11	30
990	Graphene-Based Hybrids with Manganese Oxide Polymorphs as Tailored Interfaces for Electrochemical Energy Storage: Synthesis, Processing, and Properties. <b>2015</b> , 44, 62-78		13
989	Graphene-oxide stabilization in electrolyte solutions using hydroxyethyl cellulose for drug delivery application. <b>2015</b> , 484, 276-82		39
988	Three-dimensional graphene layers prepared by a gas-foaming method for supercapacitor applications. <b>2015</b> , 94, 879-887		96
987	Graphene-based nanomaterials: biological and medical applications and toxicity. <b>2015</b> , 10, 2423-50		124
986	Radionuclide ( <sup>131</sup> I) labeled reduced graphene oxide for nuclear imaging guided combined radio- and photothermal therapy of cancer. <i>Biomaterials</i> , <b>2015</b> , 66, 21-8	15.6	158
985	Assembly of Fe <sub>3</sub> O <sub>4</sub> nanoparticles on PEG-functionalized graphene oxide for efficient magnetic imaging and drug delivery. <b>2015</b> , 5, 69307-69311		22
984	Vacuolization in Cytoplasm and Cell Membrane Permeability Enhancement Triggered by Micrometer-Sized Graphene Oxide. <b>2015</b> , 9, 7913-24		32

983	Synthesis of Mesoporous Silica/Reduced Graphene Oxide Sandwich-Like Sheets with Enlarged and Bunneling Mesochannels. <b>2015</b> , 27, 5577-5586	36
982	An atom-scale interfacial coordination strategy to prepare hierarchically porous Fe <sub>3</sub> O <sub>4</sub> -graphene frameworks and their application in charge and size selective dye removal. <b>2015</b> , 51, 14405-8	28
981	Graphene oxide wrapped individual silver nanocomposites with improved stability for surface-enhanced Raman scattering. <b>2015</b> , 5, 55801-55807	17
980	Interaction of graphene nanoribbons with components of the blood vascular system. <b>2015</b> , 1,	17
979	Preparation of graphene oxide/dendrimer hybrid carriers for delivery of doxorubicin. <b>2015</b> , 281, 771-781	32
978	Fast and facile preparation of PEGylated graphene from graphene oxide by lysosome targeting delivery of photosensitizer to efficiently enhance photodynamic therapy. <b>2015</b> , 5, 57725-57734	39
977	Exotic carbon nanostructures obtained through controllable defect engineering. <b>2015</b> , 5, 39930-39937	9
976	Enhanced chemotherapy efficacy by co-delivery of shABCG2 and doxorubicin with a pH-responsive charge-reversible layered graphene oxide nanocomplex. <b>2015</b> , 3, 6462-6472	16
975	A short GC rich DNA derived from microbial origin targets tubulin/microtubules and induces apoptotic death of cancer cells. <b>2015</b> , 51, 12024-7	10
974	Polyethylenimine mediated silver nanoparticle-decorated magnetic graphene as a promising photothermal antibacterial agent. <b>2015</b> , 26, 195703	34
973	Graphene oxide nanoflakes incorporated gelatin-hydroxyapatite scaffolds enhance osteogenic differentiation of human mesenchymal stem cells. <b>2015</b> , 26, 161001	130
972	Functionalization of Graphene Oxide and its Biomedical Applications. <b>2015</b> , 40, 291-315	124
971	A strongly coupled Au/Fe <sub>3</sub> O <sub>4</sub> /GO hybrid material with enhanced nanozyme activity for highly sensitive colorimetric detection, and rapid and efficient removal of Hg(2+) in aqueous solutions. <b>2015</b> , 7, 8495-502	112
970	Study on the surface energies and dispersibility of graphene oxide and its derivatives. <b>2015</b> , 50, 3895-3907	43
969	An efficient gold nanocarrier for combined chemo-photodynamic therapy on tumour cells. <b>2015</b> , 5, 34831-34838	80
968	Dual-targeting nanosystem for enhancing photodynamic therapy efficiency. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 9287-96	9.5 81
967	Monitoring the multitask mechanism of DNase I activity using graphene nanoassemblies. <b>2015</b> , 26, 735-45	17
966	Room-temperature phosphorescence logic gates developed from nucleic acid functionalized carbon dots and graphene oxide. <b>2015</b> , 7, 8289-93	39

965	Personalizing Biomaterials for Precision Nanomedicine Considering the Local Tissue Microenvironment. <b>2015</b> , 4, 1584-99		36
964	Adsorption and desorption of U(VI) on functionalized graphene oxides: a combined experimental and theoretical study. <b>2015</b> , 49, 4255-62		407
963	Efficient approach to iron/nitrogen co-doped graphene materials as efficient electrochemical catalysts for the oxygen reduction reaction. <b>2015</b> , 3, 7767-7772		70
962	Liquid phase collagen modified graphene that induces apoptosis. <b>2015</b> , 5, 44447-44457		13
961	Graphene in Drug Delivery, Cellular Imaging, Bacteria Inhibition, Versatile Targets Bioassays. <b>2015</b> , 103-114		
960	Recent applications of carbon nanomaterials in fluorescence biosensing and bioimaging. <b>2015</b> , 51, 11346-58		159
959	PEGylated graphene oxide for tumor-targeted delivery of paclitaxel. <b>2015</b> , 10, 1247-62		51
958	Graphene Oxide Based Nanocarrier Combined with a pH-Sensitive Tracer: A Vehicle for Concurrent pH Sensing and pH-Responsive Oligonucleotide Delivery. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 11467-75	9.5	24
957	Functionalized graphene oxide as a drug carrier for loading pirfenidone in treatment of subarachnoid hemorrhage. <b>2015</b> , 129, 21-9		39
956	Polymer Stabilized Fe <sub>3</sub> O <sub>4</sub> -Graphene as an Amphiphilic Drug Carrier for Thermo-Chemotherapy of Cancer. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 8013-22	9.5	56
955	Multifunctional nanosheets based on hyaluronic acid modified graphene oxide for tumor-targeting chemo-photothermal therapy. <b>2015</b> , 17, 1		13
954	In vivo compatibility of graphene oxide with differing oxidation states. <b>2015</b> , 9, 3866-74		172
953	A two-component active targeting theranostic agent based on graphene quantum dots. <b>2015</b> , 3, 3583-3590		35
952	Akaganeite decorated graphene oxide composite for arsenic adsorption/removal and its proconcentration at ultra-trace level. <b>2015</b> , 130, 52-8		78
951	Dual drug conjugated nanoparticle for simultaneous targeting of mitochondria and nucleus in cancer cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 7584-98	9.5	92
950	Graphene oxide stabilized by PLA-PEG copolymers for the controlled delivery of paclitaxel. <b>2015</b> , 93, 18-26		71
949	Molecular modeling of interaction between lipid monolayer and graphene nanosheets: implications for pulmonary nanotoxicity and pulmonary drug delivery. <b>2015</b> , 5, 30092-30106		21
948	Heparin-modified graphene oxide loading anti-cancer drug and growth factor with heat stability, long-term release property and lower cytotoxicity. <b>2015</b> , 5, 84334-84342		12

947	Laser induced fluorescence spectroscopy of various carbon nanostructures (GO, G and nanodiamond) in Rd6G solution. <b>2015</b> , 6, 1679-93	20
946	Preparation of graphene oxide with silver nanowires to enhance antibacterial properties and cell compatibility. <b>2015</b> , 5, 85748-85755	24
945	Fe <sub>2</sub> O <sub>3</sub> @Au core@shell nanoparticle/graphene nanocomposites as theranostic agents for bioimaging and chemo-photothermal synergistic therapy. <b>2015</b> , 5, 84980-84987	31
944	Cytotoxicity assessment of graphene-based nanomaterials on human dental follicle stem cells. <b>2015</b> , 136, 791-8	41
943	Curcumin loaded nano graphene oxide reinforced fish scale collagen 3D scaffold biomaterial for wound healing applications. <b>2015</b> , 5, 98653-98665	46
942	Bio-nanoplatfoms based on carbon dots conjugating with F-substituted nano-hydroxyapatite for cellular imaging. <b>2015</b> , 7, 20033-41	43
941	Pharmacokinetics, pharmacodynamics and toxicology of theranostic nanoparticles. <b>2015</b> , 7, 18848-62	88
940	Emerging advances in cancer nanotheranostics with graphene nanocomposites: opportunities and challenges. <b>2015</b> , 10, 2405-22	54
939	Nanocarbon hybrids of graphene-based materials and ultradispersed diamond: investigating structure and hierarchical defects evolution with electron-beam irradiation. <b>2015</b> , 46, 509-523	10
938	Chimeric Nanoparticle: A Platform for Simultaneous Targeting of Phosphatidylinositol-3-Kinase Signaling and Damaging DNA in Cancer Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 18327-35	9.5 15
937	Dose-dependent effects of nanoscale graphene oxide on reproduction capability of mammals. <b>2015</b> , 95, 309-317	95
936	In situ controllable synthesis of graphene oxide-based ternary magnetic molecularly imprinted polymer hybrid for efficient enrichment and detection of eight microcystins. <b>2015</b> , 3, 23042-23052	19
935	Accumulation and toxicity of intravenously-injected functionalized graphene oxide in mice. <b>2015</b> , 35, 1211-8	70
934	Surface Functionalization of Chemically Reduced Graphene Oxide for Targeted Photodynamic Therapy. <b>2015</b> , 11, 117-25	56
933	β-Cyclodextrin modified graphene oxide/magnetic nanocomposite for targeted delivery and pH-sensitive release of stereoisomeric anti-cancer drugs. <b>2015</b> , 5, 89299-89308	30
932	Synthesis of Water-Dispersible Gd <sub>2</sub> O <sub>3</sub> /GO Nanocomposites with Enhanced MRI T <sub>1</sub> Relaxivity. <b>2015</b> , 119, 23735-23742	32
931	Discriminating a Single Nucleotide Difference for Enhanced miRNA Detection Using Tunable Graphene and Oligonucleotide Nanodevices. <b>2015</b> , 31, 9943-52	25
930	Interactions of Graphene Oxide with Model Cell Membranes: Probing Nanoparticle Attachment and Lipid Bilayer Disruption. <b>2015</b> , 31, 12076-86	65

929	Nanotoxicity of Rare Earth Metal Oxide Anchored Graphene Nanohybrid: A Facile Synthesis and In Vitro Cellular Response Studies. <b>2015</b> , 10, 1550091	6
928	Green fabrication of porous silk fibroin/graphene oxide hybrid scaffolds for bone tissue engineering. <b>2015</b> , 5, 78660-78668	37
927	Sandwich-like mesoporous silica flakes for anticancer drug transport-Synthesis, characterization and kinetics release study. <b>2015</b> , 136, 119-25	9
926	Dual drug delivery of tamoxifen and quercetin: Regulated metabolism for anticancer treatment with nanosponges. <b>2015</b> , 220, 751-7	39
925	Layer-by-layer motif hybridization: nanoporous nickel oxide flakes wrapped into graphene oxide sheets toward enhanced oxygen reduction reaction. <b>2015</b> , 51, 16409-12	27
924	Toxicity evaluation and translocation of carboxyl functionalized graphene in <i>Caenorhabditis elegans</i> . <b>2015</b> , 4, 1498-1510	33
923	A pH-sensitive nanocarrier for co-delivery of doxorubicin and camptothecin to enhance chemotherapeutic efficacy and overcome multidrug resistance in vitro. <b>2015</b> , 5, 77097-77105	22
922	Green fabricated reduced graphene oxide: evaluation of its application as nano-carrier for pH-sensitive drug delivery. <b>2015</b> , 496, 984-92	39
921	Surface functionalization of GO, preparation and characterization of PVA/TRIS-GO nanocomposites. <b>2015</b> , 81, 140-150	48
920	Researching the dose ratio in a controlled release multiple-drug delivery system: using combination therapy with porous microparticles for the treatment of <i>Helicobacter pylori</i> infection. <b>2015</b> , 3, 417-431	4
919	One-step synthesis of degradable T(1)-FeOOH functionalized hollow mesoporous silica nanocomposites from mesoporous silica spheres. <b>2015</b> , 7, 2676-87	38
918	Graphene oxide as a chemosensitizer: diverted autophagic flux, enhanced nuclear import, elevated necrosis and improved antitumor effects. <i>Biomaterials</i> , <b>2015</b> , 40, 12-22	15.6 72
917	The advancing uses of nano-graphene in drug delivery. <b>2015</b> , 12, 601-12	94
916	Fast response and high sensitivity ZnO/glass surface acoustic wave humidity sensors using graphene oxide sensing layer. <i>Scientific Reports</i> , <b>2014</b> , 4, 7206	4.9 115
915	Two-dimensional graphene analogues for biomedical applications. <b>2015</b> , 44, 2681-701	687
914	Additive Manufacturing of GrapheneHydroxyapatite Nanocomposite Structures. <b>2015</b> , 12, 8-17	41
913	Assembly of gold nanoparticles on graphene film via electroless deposition: spontaneous reduction of Au <sup>3+</sup> ions by graphene film. <b>2015</b> , 5, 4964-4971	20
912	Electrochemistry and electrochemiluminescence from a redox-active metal-organic framework. <b>2015</b> , 68, 197-203	62



911	Controlled release of doxorubicin from electrospun PEO/chitosan/graphene oxide nanocomposite nanofibrous scaffolds. <b>2015</b> , 48, 384-90		134
910	Novel carbon nanohybrids as highly efficient magnetic resonance imaging contrast agents. <i>Nano Research</i> , <b>2015</b> , 8, 1259-1268	10	27
909	Nanomaterials for theranostics: recent advances and future challenges. <b>2015</b> , 115, 327-94		883
908	Biocompatible Graphene for Bioanalytical Applications. <b>2015</b> ,		8
907	Graphene-based nanomaterial: The state-of-the-art material for cutting edge desalination technology. <b>2015</b> , 356, 115-128		136
906	Graphene Oxide: Physics and Applications. <b>2015</b> ,		30
905	Skin cancer and new treatment perspectives: a review. <b>2015</b> , 357, 8-42		184
904	Impact of graphene oxide on the structure and function of important multiple blood components by a dose-dependent pattern. <b>2015</b> , 103, 2006-14		24
903	Biocompatibility of graphene oxide intravenously administrated in mice—effects of dose, size and exposure protocols. <b>2015</b> , 4, 83-91		33
902	A fluorescent biosensor based on carbon dots-labeled oligodeoxyribonucleotide and graphene oxide for mercury (II) detection. <b>2015</b> , 63, 506-512		224
901	Cancer therapy using ultrahigh hydrophobic drug-loaded graphene derivatives. <i>Scientific Reports</i> , <b>2014</b> , 4, 6314	4-9	86
900	Science and technology roadmap for graphene, related two-dimensional crystals, and hybrid systems. <b>2015</b> , 7, 4598-810		2015
899	Applications of Nanocarbons in Bio-Medical Devices. <b>2016</b> , 08, 1-1		3
898	Effect of graphene oxide on bacteria and peripheral blood mononuclear cells. <b>2016</b> , 14, e423-e430		3
897	Core/Shell Structure of Ni/NiO Encapsulated in Carbon Nanosphere Coated with Few- and Multi-Layered Graphene: Synthesis, Mechanism and Application. <b>2016</b> , 8,		8
896	Toxicity Evaluation of Graphene Oxide in Kidneys of Sprague-Dawley Rats. <b>2016</b> , 13, 380		32
895	. <b>2016</b> ,		
894	The Potential Role of Graphene in Developing the Next Generation of Endomaterials. <b>2016</b> , 2016, 3180954		8

893	Nanobiomaterials involved in medical imaging technologies. <b>2016</b> , 303-337		1
892	Carbon Nanomaterials Interfacing with Neurons: An In vivo Perspective. <b>2016</b> , 10, 250		64
891	Sub-Acute Toxicity Study of Graphene Oxide in the Sprague-Dawley Rat. <b>2016</b> , 13,		15
890	Synthesis, toxicity, biocompatibility, and biomedical applications of graphene and graphene-related materials. <b>2016</b> , 11, 1927-45		167
889	Engineered nanomaterials for biomedicine: Advancements and hazards. <b>2016</b> , 307-328		2
888	. <b>2016</b> ,		8
887	A timesaving, low-cost, high-yield method for the synthesis of ultrasmall uniform graphene oxide nanosheets and their application in surfactants. <b>2016</b> , 27, 055601		15
886	Cancer-Targeted Nanotheranostics: Recent Advances and Perspectives. <i>Small</i> , <b>2016</b> , 12, 4936-4954	11	127
885	Fabrication of graphene oxide-modified chitosan for controlled release of dexamethasone phosphate. <b>2016</b> , 122, 1		8
884	Thermally Reduced Graphene Oxide Nanohybrids of Chiral Functional Naphthalenediimides for Prostate Cancer Cells Bioimaging. <b>2016</b> , 26, 5641-5657		21
883	Dual-Functional Nanographene Oxide as Cancer-Targeted Drug-Delivery System to Selectively Induce Cancer-Cell Apoptosis. <b>2016</b> , 11, 1008-19		16
882	Physico-chemical properties based differential toxicity of graphene oxide/reduced graphene oxide in human lung cells mediated through oxidative stress. <i>Scientific Reports</i> , <b>2016</b> , 6, 39548	4-9	71
881	From the Cover: Potentiation of Drug-Induced Phospholipidosis In Vitro through PEGlyated Graphene Oxide as the Nanocarrier. <b>2017</b> , 156, 39-53		8
880	Gold nanoflowers modified ITO glass as SERS substrate for carbon tetrachloride-induced acute liver injury in vitro detection. <b>2016</b> , 6, 115189-115195		6
879	In vitro and in vivo comparison of the immunotoxicity of single- and multi-layered graphene oxides with or without pluronic F-127. <i>Scientific Reports</i> , <b>2016</b> , 6, 38884	4-9	25
878	Graphene-Based Smart Nanomaterials: Novel Opportunities for Biology and Neuroengineering. <b>2016</b> , 191-218		
877	Exploring biological effects of MoS <sub>2</sub> nanosheets on native structures of $\alpha$ -helical peptides. <b>2016</b> , 144, 175103		30
876	Graphene-based Materials in Health and Environment. <b>2016</b> ,		2

875	Potential and Challenges of Graphene in Medicine. <b>2016</b> , 3-33		1
874	Molecular interactions of graphene oxide with human blood plasma proteins. <b>2016</b> , 8, 9425-41		52
873	Graphene in therapeutics delivery: Problems, solutions and future opportunities. <b>2016</b> , 104, 235-50		149
872	Stimuli responsive drug delivery systems based on nano-graphene for cancer therapy. <i>Advanced Drug Delivery Reviews</i> , <b>2016</b> , 105, 228-241	18.5	290
871	Suppression of Breast Cancer Cell Migration by Small Interfering RNA Delivered by Polyethylenimine-Functionalized Graphene Oxide. <b>2016</b> , 11, 247		42
870	In vitro and in vivo brain-targeting chemo-photothermal therapy using graphene oxide conjugated with transferrin for Gliomas. <b>2016</b> , 31, 1123-31		29
869	An epigenetic signal encoded protection mechanism is activated by graphene oxide to inhibit its induced reproductive toxicity in <i>Caenorhabditis elegans</i> . <i>Biomaterials</i> , <b>2016</b> , 79, 15-24	15.6	87
868	Terms of endearment: Bacteria meet graphene nanosurfaces. <i>Biomaterials</i> , <b>2016</b> , 89, 38-55	15.6	48
867	Modifications in development of graphene oxide synthetic routes. <b>2016</b> , 294, 458-477		54
866	Good's buffer derived highly emissive carbon quantum dots: excellent biocompatible anticancer drug carrier. <b>2016</b> , 4, 2412-2420		24
865	Green synthesis of biocompatible chitosan-graphene oxide hybrid nanosheet by ultrasonication method. <b>2016</b> , 32, 300-306		40
864	Graphene Nanoribbon-Based Platform for Highly Efficacious Nuclear Gene Delivery. <b>2016</b> , 2, 798-808		17
863	Nanosilver-decorated nanographene and their adsorption performance in waste water treatment. <b>2016</b> , 3,		8
862	Graphene-based nanosheets for delivery of chemotherapeutics and biological drugs. <i>Advanced Drug Delivery Reviews</i> , <b>2016</b> , 105, 205-227	18.5	146
861	Targeting and imaging of cancer cells using nanomaterials. <b>2016</b> , 209-251		1
860	Nitrogen and Sulfur Codoped Reduced Graphene Oxide as a General Platform for Rapid and Sensitive Fluorescent Detection of Biological Species. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 11255-61	9.5	37
859	Phosphorus and Nitrogen Dual-Doped Hollow Carbon Dot as a Nanocarrier for Doxorubicin Delivery and Biological Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 11288-97	9.5	190
858	Mechanisms of cellular uptake with hyaluronic acid- $\gamma$ -octadecylamine micelles as drug delivery nanocarriers. <b>2016</b> , 6, 39896-39902		9

857	Glucose-Reduced Graphene Oxide with Excellent Biocompatibility and Photothermal Efficiency as well as Drug Loading. <b>2016</b> , 11, 211		34
856	Colorimetric Thermometer from Graphene Oxide Platform Integrated with Red, Green, and Blue Emitting, Responsive Block Copolymers. <b>2016</b> , 28, 3446-3453		40
855	Docetaxel-loaded SiO <sub>2</sub> @Au@GO core-shell nanoparticles for chemo-photothermal therapy of cancer cells. <b>2016</b> , 6, 48379-48386		8
854	Construction of PEG-based amphiphilic brush polymers bearing hydrophobic poly(lactic acid) side chains via successive RAFT polymerization and ROP. <b>2016</b> , 7, 3300-3310		25
853	The polyvinylpyrrolidone functionalized rGO/Bi <sub>2</sub> S <sub>3</sub> nanocomposite as a near-infrared light-responsive nanovehicle for chemo-photothermal therapy of cancer. <b>2016</b> , 8, 11531-42		59
852	A sedimentation study of graphene oxide in aqueous solution using gradient differential centrifugation. <b>2016</b> , 18, 12312-22		13
851	Functionalized hexagonal boron nitride nanomaterials: emerging properties and applications. <b>2016</b> , 45, 3989-4012		657
850	Targeted Delivery of Docetaxel by Use of Transferrin/Poly(allylamine hydrochloride)-functionalized Graphene Oxide Nanocarrier. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 13282-93	9.5	66
849	Sodium alginate conjugated graphene oxide as a new carrier for drug delivery system. <b>2016</b> , 93, 582-590		69
848	Covalent and Non-covalent Modification of Graphene Oxide Through Polymer Grafting. <b>2016</b> , 287-351		1
847	Bio-Applications of Graphene Composites: From Bench to Clinic. <b>2016</b> , 433-471		9
846	Targeted Raman Imaging of Cells Using Graphene Oxide-Based Hybrids. <b>2016</b> , 32, 10253-10258		11
845	Density functional theory studies on the nano-scaled composites consisted of graphene and acyl hydrazone molecules. <b>2016</b> , 137, 012018		
844	The Penetrated Delivery of Drug and Energy to Tumors by Lipo-Graphene Nanosponges for Photolytic Therapy. <b>2016</b> , 10, 9420-9433		47
843	Functionalized Graphene Oxide Based Nanocarrier for Tumor-Targeted Combination Therapy to Elicit Enhanced Cytotoxicity against Breast Cancer Cells In Vitro. <b>2016</b> , 1, 4845-4855		3
842	Modulation of the Immune System by Fullerene and Graphene Derivatives. <b>2016</b> , 213-238		
841	Synthesis and cyto-genotoxicity evaluation of graphene on mice spermatogonial stem cells. <b>2016</b> , 146, 770-6		42
840	Carbohydrate-based amphiphilic nano delivery systems for cancer therapy. <b>2016</b> , 8, 16091-16156		115

839	Large scale and facile sonochemical synthesis of magnetic graphene oxide nanocomposites and their dual electro/magneto-stimuli responses. <b>2016</b> , 6, 77925-77930		12
838	Graphene oxide-based Fe <sub>2</sub> O <sub>3</sub> hybrid enzyme mimetic with enhanced peroxidase and catalase-like activities. <b>2016</b> , 506, 747-755		45
837	Biomimetic membrane-conjugated graphene nanoarchitecture for light-manipulating combined cancer treatment in vitro. <i>Journal of Colloid and Interface Science</i> , <b>2016</b> , 482, 121-130	9.3	21
836	Grafting of ZnS:Mn-Doped Nanocrystals and an Anticancer Drug onto Graphene Oxide for Delivery and Cell Labeling. <b>2016</b> , 81, 100-107		23
835	Hybrid of gold nanostar and indocyanine green for targeted imaging-guided diagnosis and phototherapy using low-density laser irradiation. <b>2016</b> , 4, 5842-5849		23
834	Nanographene in Biomedical Applications. <b>2016</b> , 251-282		3
833	A hybrid material consisting of bulk-reduced TiO <sub>2</sub> , graphene oxide and polyaniline for resistance based sensing of gaseous ammonia at room temperature. <b>2016</b> , 183, 2871-2878		36
832	Influence of environmental factors on nanotoxicity and knowledge gaps thereof. <b>2016</b> , 2, 82-92		33
831	Carboxylated graphene oxide functionalized with Cyclodextrin-Engineering of a novel nanohybrid drug carrier. <b>2016</b> , 93, 117-122		21
830	Surfactant-free synthesis of a water-soluble PEGylated nanographeneoxide/metal-oxide nanocomposite as engineered antimicrobial weaponry. <b>2016</b> , 4, 6706-6715		4
829	Controlled co-delivery of hydrophilic and hydrophobic drugs from thermosensitive and crystallizable copolymer nanoparticles. <b>2016</b> , 133,		4
828	Conjugations improve the long-term antibacterial properties of graphene oxide/quaternary ammonium salt nanocomposites. <b>2016</b> , 304, 873-881		46
827	Graphene oxide alleviates the ecotoxicity of copper on the freshwater microalga <i>Scenedesmus obliquus</i> . <b>2016</b> , 132, 360-5		33
826	Fabrication Considerations for Graphene Devices. <b>2016</b> , 37-48		
825	Molybdenum Disulfide-Based Tubular Microengines: Toward Biomedical Applications. <b>2016</b> , 26, 6270-6278		60
824	Aqueous graphene oxide-dispersed carbon nanotubes as inks for the scalable production of all-carbon transparent conductive films. <b>2016</b> , 4, 7043-7051		30
823	Biomedical Applications of Carbon Nanomaterials. <b>2016</b> , 131-162		2
822	The Antibacterial Applications of Graphene and Its Derivatives. <i>Small</i> , <b>2016</b> , 12, 4165-84	11	136

821	Genome-wide identification and functional analysis of long noncoding RNAs involved in the response to graphene oxide. <i>Biomaterials</i> , <b>2016</b> , 102, 277-91	15.6	71
820	Use of Pulsed Streaming Potential with a Prepared Cationic Polyelectrolyte Layer to Detect Deposition Kinetics of Graphene Oxide and Consequences of Particle Size Differences. <b>2016</b> , 88, 10437-10444 <sup>2</sup>		
819	Rice Husk Ash-Derived Silica Nanofluids: Synthesis and Stability Study. <b>2016</b> , 11, 502		19
818	Toxicity of graphene-family nanoparticles: a general review of the origins and mechanisms. <b>2016</b> , 13, 57		355
817	Graphene-Iodine Nanocomposites: Highly Potent Bacterial Inhibitors that are Bio-compatible with Human Cells. <i>Scientific Reports</i> , <b>2016</b> , 6, 20015	4.9	34
816	Air-stable superparamagnetic metal nanoparticles entrapped in graphene oxide matrix. <b>2016</b> , 7, 12879		47
815	Graphene and graphene-based nanocomposites: biomedical applications and biosafety. <b>2016</b> , 4, 7813-7831		108
814	Neurotensin-Conjugated Reduced Graphene Oxide with Multi-Stage Near-Infrared-Triggered Synergic Targeted Neuron Gene Transfection In Vitro and In Vivo for Neurodegenerative Disease Therapy. <b>2016</b> , 5, 3016-3026		25
813	Multifunctional Nanocarpets for Cancer Theranostics: Remotely Controlled Graphene Nanoheaters for Thermo-Chemosensitisation and Magnetic Resonance Imaging. <i>Scientific Reports</i> , <b>2016</b> , 6, 20543	4.9	66
812	Current Challenges in the Commercialization of Nanocolloids. <b>2016</b> , 427-463		
811	Plasmid-Based Stat3 siRNA Delivered by Functional Graphene Oxide Suppresses Mouse Malignant Melanoma Cell Growth. <b>2016</b> , 23, 229-36		10
810	Lactobionic acid and carboxymethyl chitosan functionalized graphene oxide nanocomposites as targeted anticancer drug delivery systems. <b>2016</b> , 151, 812-820		100
809	Efficient mRNA delivery with graphene oxide-polyethylenimine for generation of footprint-free human induced pluripotent stem cells. <b>2016</b> , 235, 222-235		76
808	Temperature responsive polymer brushes grafted from graphene oxide: an efficient fluorescent sensing platform for 2,4,6-trinitrophenol. <b>2016</b> , 4, 7083-7092		27
807	High structure stability and outstanding adsorption performance of graphene oxide aerogel supported by polyvinyl alcohol for waste water treatment. <b>2016</b> , 107, 187-197		71
806	Uniaxial compression of suspended single and multilayer graphenes. <b>2016</b> , 3, 025033		18
805	Unraveling the dynamic nature of protein-graphene oxide interactions. <b>2016</b> , 6, 52539-52548		14
804	Fundamentals of Electronic Modication of Graphene by Si and H. <b>2016</b> , 371-388		

803 Biomedical Applications of Graphene. **2016**, 41-56

802 Synthesis and characterization of Zinc (II)-loaded Zeolite/Graphene oxide nanocomposite as a new drug carrier. **2016**, 66, 251-258 38

801 GSH-responsive biotinylated poly(vinyl alcohol)-grafted GO as a nanocarrier for targeted delivery of camptothecin. **2016**, 6, 62385-62389 9

800 Antifouling properties of reduced graphene oxide nanosheets for highly sensitive determination of insulin. **2016**, 129, 310-317 18

799 Preparation of economical and environmentally friendly graphene/palygorskite/TiO<sub>2</sub> composites and its application for the removal of methylene blue. **2016**, 121-122, 137-145 24

798 Hyaluronic Acid-Modified Multifunctional Q-Graphene for Targeted Killing of Drug-Resistant Lung Cancer Cells. *ACS Applied Materials & Interfaces*, **2016**, 8, 4048-55 9.5 47

797 Fabrication of PLA/MWCNT/Fe<sub>3</sub>O<sub>4</sub> composite nanofibers for leukemia cancer cells. **2016**, 65, 176-182 41

796 Non-covalent modification of graphene oxide nanocomposites with chitosan/dextran and its application in drug delivery. **2016**, 6, 9328-9337 52

795 Graphene-based platforms for cancer therapeutics. **2016**, 7, 101-16 56

794 Functionalized graphene oxide serves as a novel vaccine nano-adjuvant for robust stimulation of cellular immunity. **2016**, 8, 3785-95 62

793 Photothermal and photodynamic therapy reagents based on rGO@G4D@DOOH. **2016**, 6, 3748-3755 8

792 Synthesis and characterization of graphene from waste dry cell battery for electronic applications. **2016**, 6, 10557-10564 44

791 Bioengineering Applications of Carbon Nanostructures. **2016**, 4

790 ICG-conjugated Magnetic Graphene Oxide for Dual Photothermal and Photodynamic Therapy. **2016**, 6, 30285-30292 46

789 Rapid and effective sample cleanup based on graphene oxide-encapsulated core-shell magnetic microspheres for determination of fifteen trace environmental phenols in seafood by liquid chromatography-tandem mass spectrometry. **2016**, 919, 34-46 15

788 Imaging Dendrimer-Grafted Graphene Oxide Mediated Anti-miR-21 Delivery With an Activatable Luciferase Reporter. *ACS Applied Materials & Interfaces*, **2016**, 8, 9014-21 9.5 58

787 Highly sensitive determination of dopamine by a turn-on fluorescent biosensor based on aptamer labeled carbon dots and nano-graphite. **2016**, 231, 506-512 93

786 Pegylated folate and peptide-decorated graphene oxide nanovehicle for in vivo targeted delivery of anticancer drugs and therapeutic self-monitoring. **2016**, 80, 519-524 71

785	Interaction of graphene oxide with albumins: Effect of size, pH, and temperature. <b>2016</b> , 593, 69-79	29
784	Development of highly efficient nanocarrier-mediated delivery approaches for cancer therapy. <b>2016</b> , 374, 31-43	46
783	Assessing biocompatibility of graphene oxide-based nanocarriers: A review. <b>2016</b> , 226, 217-28	178
782	Hydroxypropyl-β-cyclodextrin-graphene oxide conjugates: Carriers for anti-cancer drugs. <b>2016</b> , 61, 681-7	39
781	A simple and rapid method for direct determination of Al(III) based on the enhanced resonance Rayleigh scattering of hemin-functionalized graphene-Al(III) system. <b>2016</b> , 156, 22-7	6
780	A theranostic nrGO@MSN-ION nanocarrier developed to enhance the combination effect of sonodynamic therapy and ultrasound hyperthermia for treating tumor. <b>2016</b> , 8, 12648-57	56
779	Safety and biocompatibility of graphene: A new generation nanomaterial for biomedical application. <b>2016</b> , 86, 546-55	131
778	WITHDRAWN: Effect of graphene oxide on bacteria and peripheral blood mononuclear cells. <b>2016</b> ,	2
777	Graphene oxide and titanium: synergistic effects on the biomineralization ability of osteoblast cultures. <b>2016</b> , 27, 71	18
776	Graphene Oxide and Lipid Membranes: Size-Dependent Interactions. <b>2016</b> , 32, 2708-17	30
775	The different fate of satellite cells on conductive composite electrospun nanofibers with graphene and graphene oxide nanosheets. <i>Biomedical Materials (Bristol)</i> , <b>2016</b> , 11, 025006	3-5 49
774	Engineering a multi-biofunctional composite using poly(ethylenimine) decorated graphene oxide for bone tissue regeneration. <b>2016</b> , 8, 6820-36	82
773	PEI/bolic acid modified carbon nanodots for cancer cell-targeted delivery and two-photon excitation imaging. <b>2016</b> , 6, 19662-19668	19
772	Multi-functionalized graphene oxide complex as a plasmid delivery system for targeting hepatocellular carcinoma therapy. <b>2016</b> , 6, 22461-22468	20
771	Fractionation of graphene oxide single nano-sheets in water-glycerol solutions using gradient centrifugation. <b>2016</b> , 103, 363-371	18
770	Functionalized graphene oxide in microbial engineering: An effective stimulator for bacterial growth.. <b>2016</b> , 103, 172-180	19
769	Graphene scaffolds in progressive nanotechnology/stem cell-based tissue engineering of the nervous system. <b>2016</b> , 4, 3169-3190	138
768	Multifunctional hyaluronic acid modified graphene oxide loaded with mitoxantrone for overcoming drug resistance in cancer. <b>2016</b> , 27, 015701	32



767	Highly efficient nuclear delivery of anti-cancer drugs using a bio-functionalized reduced graphene oxide. <i>Journal of Colloid and Interface Science</i> , <b>2016</b> , 467, 35-42	9.3	53
766	Rational synthesis of Pd nanoparticle-embedded reduced graphene oxide frameworks with enhanced selective catalysis in water. <b>2016</b> , 8, 2787-94		22
765	Nanotoxicology of Carbon-Based Nanomaterials. <b>2016</b> , 105-137		1
764	Development of multifunctional cobalt ferrite/graphene oxide nanocomposites for magnetic resonance imaging and controlled drug delivery. <b>2016</b> , 289, 150-160		142
763	Biomedical applications of the graphene-based materials. <b>2016</b> , 61, 953-64		134
762	Graphene for Biomedical Applications. <b>2016</b> , 241-267		
761	Dual delivery of biological therapeutics for multimodal and synergistic cancer therapies. <i>Advanced Drug Delivery Reviews</i> , <b>2016</b> , 98, 113-33	18.5	70
760	Electro-exfoliating graphene from graphite for direct fabrication of supercapacitor. <b>2016</b> , 360, 213-223		44
759	Organosilane sulfonated graphene oxide in the Biginelli and Biginelli-like reactions. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 512-520	3.6	38
758	The Molecular Influence of Graphene and Graphene Oxide on the Immune System Under In Vitro and In Vivo Conditions. <b>2016</b> , 64, 195-215		42
757	Graphene oxide/manganese ferrite nanohybrids for magnetic resonance imaging, photothermal therapy and drug delivery. <b>2016</b> , 30, 810-22		39
756	Rolled graphene oxide foams as three-dimensional scaffolds for growth of neural fibers using electrical stimulation of stem cells. <b>2016</b> , 97, 71-77		170
755	Two-dimensional graphitic carbon nitride nanosheets for biosensing applications. <b>2017</b> , 89, 212-223		89
754	Fluorescent biosensors enabled by graphene and graphene oxide. <b>2017</b> , 89, 96-106		155
753	Single-layer MnO <sub>2</sub> nanosheets for sensitive and selective detection of glutathione by a colorimetric method. <b>2017</b> , 400, 200-205		25
752	Two-Dimensional Nanomaterials for Cancer Nanotheranostics. <i>Small</i> , <b>2017</b> , 13, 1603446	11	97
751	Controlled release of vancomycin from 3D porous graphene-based composites for dual-purpose treatment of infected bone defects. <b>2017</b> , 7, 2753-2765		25
750	A hybrid monolithic column based on boronate-functionalized graphene oxide nanosheets for online specific enrichment of glycoproteins. <b>2017</b> , 1498, 90-98		37

749	Few-Layer Graphene Kills Selectively Tumor Cells from Myelomonocytic Leukemia Patients. <b>2017</b> , 56, 3014-3019		48
748	A novel fluorescent concanavalin A detection platform using an anti-concanavalin A aptamer and graphene oxide. <b>2017</b> , 9, 744-747		5
747	Heparin modified graphene oxide for pH-sensitive sustained release of doxorubicin hydrochloride. <b>2017</b> , 75, 198-206		35
746	Long Blood Residence and Large Tumor Uptake of Ruthenium Sulfide Nanoclusters for Highly Efficient Cancer Photothermal Therapy. <i>Scientific Reports</i> , <b>2017</b> , 7, 41571	4.9	16
745	Graphene-Induced Pore Formation on Cell Membranes. <i>Scientific Reports</i> , <b>2017</b> , 7, 42767	4.9	69
744	Smart Carriers for Controlled Drug Delivery: Thermosensitive Polymers Embedded in Ordered Mesoporous Carbon. <b>2017</b> , 106, 1545-1552		7
743	Graphene oxide - A platform towards theranostics. <b>2017</b> , 76, 1274-1288		31
742	Few-Layer Graphene Kills Selectively Tumor Cells from Myelomonocytic Leukemia Patients. <b>2017</b> , 129, 3060-3065		5
741	Green synthesis of hybrid graphene oxide/microcrystalline cellulose aerogels and their use as superabsorbents. <b>2017</b> , 335, 28-38		123
740	Graphene quantum dots: multifunctional nanoplatforms for anticancer therapy. <b>2017</b> , 5, 6471-6489		87
739	The effect of graphene oxide on the slime coatings of serpentine in the flotation of pentlandite. <b>2017</b> , 522, 621-627		12
738	Facile and size-controllable preparation of graphene oxide nanosheets using high shear method and ultrasonic method. <b>2017</b> , 12, 247-262		27
737	Chronic exposure to graphene-based nanomaterials induces behavioral deficits and neural damage in <i>Caenorhabditis elegans</i> . <b>2017</b> , 37, 1140-1150		50
736	Preparation of porous graphene oxide by chemically intercalating a rigid molecule for enhanced removal of typical pharmaceuticals. <b>2017</b> , 119, 101-109		32
735	pH-Responsive Graphene Oxide-DNA Nanosystem for Live Cell Imaging and Detection. <b>2017</b> , 89, 5445-5452		28
734	A colon targeted drug delivery system based on alginate modified graphene oxide for colorectal liver metastasis. <b>2017</b> , 79, 185-190		51
733	Graphene for the development of the next-generation of biocomposites for dental and medical applications. <b>2017</b> , 33, 765-774		72
732	Green Fabrication of Co <sub>3</sub> O <sub>4</sub> Nanoparticle-Decorated Reduced Graphene Oxide Sheets: Evaluation of Biocompatibility on Human Mesenchymal Stem Cells for Biomedical Applications. <b>2017</b> , 27, 1110-1116		7

731	Reinforcing nanomedicine using graphene family nanomaterials. <b>2017</b> , 255, 218-230		34
730	Structural and biological properties of thermosensitive chitosan-graphene hybrid hydrogels for sustained drug delivery applications. <b>2017</b> , 105, 2381-2390		34
729	Phenolic compound-mediated single-step fabrication of copper oxide nanoparticles for elucidating their influence on anti-bacterial and catalytic activity. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 4458-4467	3.6	11
728	Material chemistry of graphene oxide-based nanocomposites for theranostic nanomedicine. <b>2017</b> , 5, 6451-6470		32
727	Positively charged graphene/Fe <sub>3</sub> O <sub>4</sub> /polyethylenimine with enhanced drug loading and cellular uptake for magnetic resonance imaging and magnet-responsive cancer therapy. <i>Nano Research</i> , <b>2017</b> , 10, 2280-2295	10	29
726	Transdermal skin patch based on reduced graphene oxide: A new approach for photothermal triggered permeation of ondansetron across porcine skin. <b>2017</b> , 245, 137-146		52
725	Folic acid-grafted bovine serum albumin decorated graphene oxide: An efficient drug carrier for targeted cancer therapy. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 490, 598-607	9.3	91
724	Graphene oxide nanosheets induce DNA damage and activate the base excision repair (BER) signaling pathway both <i>in vitro</i> and <i>in vivo</i> . <b>2017</b> , 184, 795-805		39
723	Structure and slow release property of chlorpyrifos/graphene oxide-ZnAl-layered double hydroxide composite. <b>2017</b> , 145, 44-52		17
722	Magnetic Resonance Imaging-Guided Multi-Drug Chemotherapy and Photothermal Synergistic Therapy with pH and NIR-Stimulation Release. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 22278-22288	9.5	99
721	Effect of pH value of probe molecule on the graphene oxide-based surface enhanced Raman scattering. <b>2017</b> , 123, 1		1
720	Graphitic nanocapsules: design, synthesis and bioanalytical applications. <b>2017</b> , 9, 10529-10543		8
719	Developmental neurotoxic effects of graphene oxide exposure in zebrafish larvae ( <i>Danio rerio</i> ). <b>2017</b> , 157, 335-346		37
718	Multiscale Modulation of Nanocrystalline Cellulose Hydrogel via Nanocarbon Hybridization for 3D Neuronal Bilayer Formation. <i>Small</i> , <b>2017</b> , 13, 1700331	11	16
717	The new nanocarriers based on graphene and graphene oxide for drug delivery applications. <b>2017</b> , 107-147		8
716	Toxicological effects of graphene oxide on. <b>2017</b> , 6, 535-543		17
715	Hyaluronic acid and Arg-Gly-Asp peptide modified Graphene oxide with dual receptor-targeting function for cancer therapy. <b>2017</b> , 32, 54-65		31
714	Neutron-activatable radionuclide cancer therapy using graphene oxide nanoplatelets. <b>2017</b> , 52, 42-48		8

713	Lactoferrin modified graphene oxide iron oxide nanocomposite for glioma-targeted drug delivery. <b>2017, 77, 904-911</b>	68
712	Graphene as multifunctional delivery platform in cancer therapy. <b>2017, 105, 2355-2367</b>	24
711	Molecular dynamics simulation of functionalized graphene surface for high efficient loading of doxorubicin. <b>2017, 1141, 441-450</b>	23
710	Toxicity evaluation of graphene oxide on cysts and three larval stages of <i>Artemia salina</i> . <b>2017, 595, 101-109</b>	32
709	Application of Carbon-Based Nanomaterials as Drug and Gene Delivery Carrier. <b>2017, 163-203</b>	5
708	Hyaluronic acid cloaked oleic acid nanoparticles inhibit MAPK signaling with sub-cellular DNA damage in colon cancer cells. <b>2017, 5, 3658-3666</b>	6
707	SERS-active liposome@Ag/Au nanocomposite for NIR light-driven drug release. <b>2017, 154, 150-159</b>	13
706	Graphene oxide functionalized long period grating for ultrasensitive label-free immunosensing. <b>2017, 94, 200-206</b>	62
705	Ultrathin Hollow Graphene Oxide Membranes for Use as Nanoparticle Carriers. <b>2017, 33, 3765-3775</b>	4
704	Electrospinning of graphene-oxide onto screen printed electrodes for heavy metal biosensor. <b>2017, 247, 366-373</b>	28
703	Exfoliated graphene nanosheets: pH-sensitive drug carrier and anti-cancer activity. <i>Journal of Colloid and Interface Science</i> , <b>2017, 498, 364-377</b>	9.3 32
702	DFT Calculations and Molecular Dynamics Simulation Study on the Adsorption of 5-Fluorouracil Anticancer Drug on Graphene Oxide Nanosheet as a Drug Delivery Vehicle. <b>2017, 27, 805-817</b>	57
701	Advanced review of graphene-based nanomaterials in drug delivery systems: Synthesis, modification, toxicity and application. <b>2017, 77, 1363-1375</b>	142
700	30 years of advances in functionalization of carbon nanomaterials for biomedical applications: a practical review. <b>2017, 32, 107-127</b>	43
699	Amplified detection of leukemia cancer cells using an aptamer-conjugated gold-coated magnetic nanoparticles on a nitrogen-doped graphene modified electrode. <b>2017, 114, 24-32</b>	76
698	CVD graphene transfer procedure to the surface of stainless steel for stem cell proliferation. <b>2017, 311, 10-18</b>	26
697	Cisplatin-induced self-assembly of graphene oxide sheets into spherical nanoparticles for damaging sub-cellular DNA. <b>2017, 53, 1409-1412</b>	14
696	Drug-Loaded Mesoporous Tantalum Oxide Nanoparticles for Enhanced Synergetic Chemoradiotherapy with Reduced Systemic Toxicity. <i>Small</i> , <b>2017, 13, 1602869</b>	11 48

695	Functionalization of carbon nanomaterials for advanced polymer nanocomposites: A comparison study between CNT and graphene. <b>2017</b> , 67, 1-47		380
694	Infrared spectra of 5-fluorouracil molecules isolated in inert Ar matrices, and their films on graphene oxide at 6 K. <b>2017</b> , 43, 400-408		7
693	Multifunctional carbon-coated magnetic sensing graphene oxide-cyclodextrin nanohybrid for potential cancer theragnosis. <b>2017</b> , 19, 1		15
692	Facile Preparation of Doxorubicin-Loaded and Folic Acid-Conjugated Carbon Nanotubes@Poly(N-vinyl pyrrole) for Targeted Synergistic Chemo-Photothermal Cancer Treatment. <b>2017</b> , 28, 2815-2822		37
691	Hierarchical Nanocarriers for Precisely Regulating the Therapeutic Process via Dual-Mode Controlled Drug Release in Target Tumor Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 36655-36664	8.5	8
690	Biobased Nanographene Oxide Creates Stronger Chitosan Hydrogels with Improved Adsorption Capacity for Trace Pharmaceuticals. <b>2017</b> , 5, 11525-11535		36
689	Hemin-Graphene Derivatives with Increased Peroxidase Activities Restrain Protein Tyrosine Nitration. <b>2017</b> , 23, 17755-17763		5
688	Nanofabrication of mechano-bactericidal surfaces. <b>2017</b> , 9, 16564-16585		66
687	Programmed Nanococktail Based on pH-Responsive Function Switch for Self-Synergistic Tumor-Targeting Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 39127-39142	9.5	25
686	Single-cell mass cytometry and transcriptome profiling reveal the impact of graphene on human immune cells. <b>2017</b> , 8, 1109		83
685	Adsorption patterns of aromatic amino acids on monolayer MoS <sub>2</sub> and Au-modified MoS <sub>2</sub> surfaces: A first-principles study. <b>2017</b> , 1118, 115-122		13
684	Application of Graphene and its Derivatives in Cancer Diagnosis and Treatment. <b>2017</b> , 67, 681-687		3
683	Graphene-based nanomaterials for drug and/or gene delivery, bioimaging, and tissue engineering. <b>2017</b> , 22, 1302-1317		182
682	Synergistically Enhanced Optical Limiting Property of Graphene Oxide Hybrid Materials Functionalized with Pt Complexes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 33029-33040	9.5	42
681	Environmental impact and potential health risks of 2D nanomaterials. <b>2017</b> , 4, 1617-1633		54
680	Graphene oxide and DNA aptamer based sub-nanomolar potassium detecting optical nanosensor. <b>2017</b> , 28, 325502		13
679	Photodynamic Therapy of Oligoethylene Glycol-Dendronized Reduction-Sensitive Porphyrins. <b>2017</b> , 35, 1445-1451		0
678	Osteoconductive Amine-Functionalized Graphene-Poly(methyl methacrylate) Bone Cement Composite with Controlled Exothermic Polymerization. <b>2017</b> , 28, 2254-2265		18

677	Interaction of different forms of graphene with chicken embryo red blood cells. <b>2017</b> , 24, 21671-21679	16
676	Multifunctional halloysite nanotubes for targeted delivery and controlled release of doxorubicin in-vitro and in-vivo studies. <b>2017</b> , 28, 375101	39
675	Black Phosphorus Nanoparticles Potentiate the Anticancer Effect of Oxaliplatin in Ovarian Cancer Cell Line. <b>2017</b> , 27, 1701955	45
674	Gold Nanoparticles and Reduced Graphene Oxide-Gold Nanoparticle Composite Materials as Covalent Drug Delivery Systems for Breast Cancer Treatment. <b>2017</b> , 2, 6663-6672	27
673	Manipulation and Quantification of Graphene Oxide Flake Size: Photoluminescence and Cytotoxicity. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 28911-28921	9.5 43
672	Molecular Self-Assembly for Nanobiomaterial Fabrication. <b>2017</b> , 107-141	
671	Hyaluronic Acid Layered Chimeric Nanoparticles: Targeting MAPK-PI3K Signaling Hub in Colon Cancer Cells. <b>2017</b> , 2, 7868-7880	9
670	Influence of Chain Length on the Self-Assembly of Poly(E-caprolactone)-Grafted Graphene Quantum Dots. <b>2017</b> , 33, 13384-13393	5
669	MC3T3-E1 pre-osteoblast response and differentiation after graphene oxide nanosheet uptake. <b>2017</b> , 158, 33-40	13
668	Molecular beacon anchored onto a graphene oxide substrate. <b>2017</b> , 28, 375501	9
667	Ternary Interactions and Energy Transfer between Fluorescein Isothiocyanate, Adenosine Triphosphate, and Graphene Oxide Nanocarriers. <b>2017</b> , 121, 6822-6830	22
666	Chemical modification of graphene oxide through poly(ethylene oxide)-conjugations. <b>2017</b> , 25, 452-460	3
665	Gadolinium-based layered double hydroxide and graphene oxide nano-carriers for magnetic resonance imaging and drug delivery. <b>2017</b> , 11, 47	38
664	Nucleation and Assembly of Silica into Protein-Based Nanocomposites as Effective Anticancer Drug Carriers Using Self-Assembled Silk Protein Nanostructures as Biotemplates. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 22259-22267	9.5 26
663	Bioaccumulation and effects of sediment-associated gold- and graphene oxide nanoparticles on <i>Tubifex tubifex</i> . <b>2017</b> , 51, 138-145	17
662	Supramolecular hybrids of carbon dots with doxorubicin: synthesis, stability and cellular trafficking. <b>2017</b> , 1, 354-360	40
661	Uniaxial-Strain Effects in the Paclitaxel Drug Molecule Adsorption on Nitrogen-Doped Graphene. <b>2017</b> , 16, 1650027	1
660	Fabrication of aptamer decorated dextran coated nano-graphene oxide for targeted drug delivery. <b>2017</b> , 155, 218-229	96

659	Fetoprotein Derived Short Peptide Coated Nanostructured Amphiphilic Surfaces for Targeting Mouse Breast Cancer Cells. <b>2017</b> , 16, 1650023		
658	Synthesis, characterization and biological evaluation of a well dispersed suspension of gallium-68-labeled magnetic nanosheets of graphene oxide for in vivo coincidence imaging. <b>2017</b> , 105, 65-73		8
657	"Gold nanoparticles composite-folic acid conjugated graphene oxide nano hybrids" for targeted chemo-thermal cancer ablation: In vitro screening and in vivo studies. <b>2017</b> , 96, 351-361		54
656	Synthesis of water dispersible reduced graphene oxide via supramolecular complexation with modified $\beta$ -cyclodextrin. <b>2017</b> , 66, 235-242		6
655	Graphene as a new material in anticancer therapy-in vitro studies. <b>2017</b> , 243, 152-165		35
654	Preparation of dual-responsive hybrid fluorescent nano probe based on graphene oxide and boronic acid/BODIPY-conjugated polymer for cell imaging. <b>2017</b> , 71, 1064-1071		14
653	Recent trends in targeted therapy of cancer using graphene oxide-modified multifunctional nanomedicines. <b>2017</b> , 25, 202-215		40
652	Drug-Triggered Self-Assembly of Linear Polymer into Nanoparticles for Simultaneous Delivery of Hydrophobic and Hydrophilic Drugs in Breast Cancer Cells. <b>2017</b> , 2, 8730-8740		10
651	Fabrication of pH-responsive PLGA(UCNPs/DOX) nanocapsules with upconversion luminescence for drug delivery. <i>Scientific Reports</i> , <b>2017</b> , 7, 18014	4-9	47
650	Graphene-Based Nanomaterials for Theranostic Applications. <b>2017</b> , 01, 1750011		16
649	Myoblast Differentiation of Umbilical Cord Blood Derived Stem Cells on Biocompatible Composites Scaffold Meshes. <b>2017</b> ,		
648	Intratumoral Delivery of Doxorubicin on Folate-Conjugated Graphene Oxide by In-Situ Forming Thermo-Sensitive Hydrogel for Breast Cancer Therapy. <b>2017</b> , 7,		62
647	Drug delivery: advancements and challenges. <b>2017</b> , 865-886		25
646	Structural Regulation and Electroconductivity Change of Nitrogen-Doping Reduced Graphene Oxide Prepared Using p-Phenylene Diamine as Modifier. <b>2017</b> , 7,		16
645	3D Nanoporous Anodic Alumina Structures for Sustained Drug Release. <b>2017</b> , 7,		20
644	Hybrid ceramic/polymer composites for bone tissue regeneration. <b>2017</b> , 125-155		4
643	Nanotechnology in Drug Discovery and Development. <b>2017</b> , 264-295		0
642	Functionalized Graphene/Polyoxometalate Nanodots Assembly as Organic/Inorganic Hybrid Supercapacitors and Insights into Electrode/Electrolyte Interfacial Processes. <b>2017</b> , 3, 24		6

641	Graphene oxide and reduced graphene oxide induced neural pheochromocytoma-derived PC12 cell lines apoptosis and cell cycle alterations via the ERK signaling pathways. <b>2017</b> , 12, 5501-5510	53
640	Effect of graphene oxide nanosheets on visible light-assisted antibacterial activity of vertically-aligned copper oxide nanowire arrays. <i>Journal of Colloid and Interface Science</i> , <b>2018</b> , 521, 119-131	37
639	Supramolecular Hybrid Material Constructed from Graphene Oxide and Pillar[6]arene-Based Host-Guest Complex as a Ultrasound and Photoacoustic Signals Nanoamplifier. <b>2018</b> , 5, 429-435	46
638	Facilitated Water Transport through Graphene Oxide Membranes Functionalized with Aquaporin-Mimicking Peptides. <b>2018</b> , 30, e1705944	33
637	Unveiling the Interaction of Duplex DNA with Graphene Oxide in the Presence of Two Diverse Binders: A Detailed Photophysical Study. <b>2018</b> , 122, 6876-6888	15
636	Combined Adsorption and Covalent Linking of Paclitaxel on Functionalized Nano-Graphene Oxide for Inhibiting Cancer Cells. <b>2018</b> , 3, 2396-2405	12
635	Immobilization of gold nanoparticles on folate-conjugated dendritic mesoporous silica-coated reduced graphene oxide nanosheets: a new nanoplatform for curcumin pH-controlled and targeted delivery. <b>2018</b> , 14, 2400-2410	49
634	Natural polymer functionalized graphene oxide for co-delivery of anticancer drugs: In-vitro and in-vivo. <b>2018</b> , 113, 515-525	41
633	Biocompatible and Stable GO-Coated FeO Nanocomposite: A Robust Drug Delivery Carrier for Simultaneous Tumor MR Imaging and Targeted Therapy. <b>2018</b> , 4, 2143-2154	33
632	Folic acid encapsulated graphene quantum dots for ratiometric pH sensing and specific multicolor imaging in living cells. <b>2018</b> , 268, 61-69	40
631	Cyclodextrin- and dendrimer-conjugated graphene oxide as a nanocarrier for the delivery of selected chemotherapeutic and photosensitizing agents. <b>2018</b> , 89, 307-315	25
630	Curcumin as a green fluorescent label to revive the fluorescence property of functionalized graphene oxide nanosheets. <b>2018</b> , 45, 422-427	10
629	Carbon-based hybrid nanogels: a synergistic nanoplatform for combined biosensing, bioimaging, and responsive drug delivery. <b>2018</b> , 47, 4198-4232	146
628	Graphdiyne Nanosheet-Based Drug Delivery Platform for Photothermal/Chemotherapy Combination Treatment of Cancer. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 8436-8442	9.5 96
627	Graphene oxide: An efficient material and recent approach for biotechnological and biomedical applications. <b>2018</b> , 86, 173-197	163
626	Aptamer based fluorometric determination of ATP by exploiting the FRET between carbon dots and graphene oxide. <b>2018</b> , 185, 144	36
625	Nano-graphene oxide-manganese dioxide nanocomposites for overcoming tumor hypoxia and enhancing cancer radioisotope therapy. <b>2018</b> , 10, 5114-5123	46
624	Folic-Acid-Functionalized Graphene Oxide Nanocarrier: Synthetic Approaches, Characterization, Drug Delivery Study, and Antitumor Screening. <b>2018</b> , 1, 922-932	59



623	Electron transfer in biologically important systems: Polycyclic aromatic hydrocarbons, DNA bases and free radicals. <b>2018</b> , 17, 1850008		
622	Chondroinductive factor-free chondrogenic differentiation of human mesenchymal stem cells in graphene oxide-incorporated hydrogels. <b>2018</b> , 6, 908-917		24
621	Encoding materials for programming a temporal sequence of actions. <b>2018</b> , 6, 1433-1448		4
620	A Review of the Cell to Graphene-Based Nanomaterial Interface. <b>2018</b> , 70, 566-574		13
619	Switching off the interactions between graphene oxide and doxorubicin using vitamin C: combining simplicity and efficiency in drug delivery. <b>2018</b> , 6, 1251-1259		18
618	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
617	Light-triggered C release from a graphene/cyclodextrin nanoplatform for the protection of cytotoxicity induced by nitric oxide. <b>2018</b> , 6, 518-526		38
616	Nanocarrier-Mediated Photochemotherapy and Photoradiotherapy. <b>2018</b> , 7, e1701211		31
615	Multifaceted Implantable Anticancer Device for Potential Postsurgical Breast Cancer Treatment: A Single Platform for Synergistic Inhibition of Local Regional Breast Cancer Recurrence, Surveillance, and Healthy Breast Reconstruction. <b>2018</b> , 28, 1704793		23
614	Lipid-polymer hybrid nanocarriers for delivering cancer therapeutics. <b>2018</b> , 271, 60-73		56
613	Tailoring the Efficacy of Multifunctional Biopolymeric Graphene Oxide Quantum Dot-Based Nanomaterial as Nanocargo in Cancer Therapeutic Application. <b>2018</b> , 4, 514-531		32
612	Graphene oxide supported liposomes for efficient label free electrochemical DNA biosensing. <b>2018</b> , 260, 841-851		20
611	Pectin-conjugated magnetic graphene oxide nanohybrid as a novel drug carrier for paclitaxel delivery. <b>2018</b> , 46, 264-273		33
610	Fabrication of reduced graphene oxide/chitosan composite fiber by dry-jet wet spinning. <b>2018</b> , 1, 347-355		12
609	Study of dual encapsulation possibility of hydrophobic and hydrophilic drugs into a nanocarrier based on bio-polymer coated graphene oxide using density functional theory, molecular dynamics simulation and experimental methods. <i>Journal of Molecular Liquids</i> , <b>2018</b> , 262, 204-217	6	26
608	Preparation of a temperature-responsive block copolymer-anchored graphene oxide@ZnS NPs luminescent nanocomposite for selective detection of 2,4,6-trinitrotoluene. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 9598-9605	3.6	5
607	Biocompatible properties of nano-drug carriers using TiO-Au embedded on multiwall carbon nanotubes for targeted drug delivery. <b>2018</b> , 90, 589-601		37
606	Monolayer Nanosheets with an Extremely High Drug Loading toward Controlled Delivery and Cancer Theranostics. <b>2018</b> , 30, e1707389		100

605	Biocompatible reinforcement of poly(Lactic acid) with graphene nanoplatelets. <b>2018</b> , 39, E308-E320		28
604	Formation of graphene oxide-hybridized nanogels for combinative anticancer therapy. <b>2018</b> , 14, 2387-2395		34
603	Implementation of guiding layers of surface acoustic wave devices: A review. <b>2018</b> , 99, 500-512		39
602	Effect of graphene oxide on copper stress in Lemna minor L.: evaluating growth, biochemical responses, and nutrient uptake. <b>2018</b> , 341, 168-176		42
601	Organic Electrodes and Communications with Excitable Cells. <b>2018</b> , 28, 1700587		33
600	When stem cells meet graphene: Opportunities and challenges in regenerative medicine. <i>Biomaterials</i> , <b>2018</b> , 155, 236-250	15.6	181
599	Mesoporous titanium dioxide@ zinc oxide-graphene oxide nanocarriers for colon-specific drug delivery. <b>2018</b> , 53, 1634-1645		76
598	Preparation of GO-COOH/AuNPs/ZnAPTTP nanocomposites based on the EIT conjugation: Efficient interface for low-potential photoelectrochemical sensing of 4-nitrophenol. <b>2018</b> , 178, 962-969		11
597	Electrospun CeO <sub>2</sub> /Au nanofibers/graphene oxide 3D nanonetwork structure for the electrocatalytic detection of amlodipine. <b>2018</b> , 24, 1813-1826		7
596	Layer-by-layer assembly of graphene oxide on thermosensitive liposomes for photo-chemotherapy. <b>2018</b> , 65, 376-392		48
595	Naturally Dried, Double Nitrogen-Doped 3D Graphene Aerogels Modified by Plant Extracts for Multifunctional Applications. <b>2018</b> , 6, 1172-1181		27
594	Evaluation of the combined effect of NIR laser and ionizing radiation on cellular damages induced by IUdR-loaded PLGA-coated Nano-graphene oxide. <b>2018</b> , 21, 91-97		20
593	Sonochemically synthesized blue fluorescent functionalized graphene oxide as a drug delivery system. <b>2018</b> , 42, 124-133		28
592	Ultrasensitive electrochemical immunosensor for procalcitonin with signal enhancement based on zinc nanoparticles functionalized ordered mesoporous carbon-silica nanocomposites. <b>2018</b> , 258, 238-245		24
591	Potential Nanomedicine Applications of Multifunctional Carbon Nanoparticles Developed Using Green Technology. <b>2018</b> , 6, 1235-1245		16
590	Layered double hydroxide monolayers for controlled loading and targeted delivery of anticancer drugs. <i>Nano Research</i> , <b>2018</b> , 11, 195-205	10	36
589	Immobilization of methotrexate anticancer drug onto the graphene surface and interaction with calf thymus DNA and 4T1 cancer cells. <b>2018</b> , 119, 1-9		18
588	Fabrication of chitosan/poly(lactic acid)/graphene oxide/TiO composite nanofibrous scaffolds for sustained delivery of doxorubicin and treatment of lung cancer. <b>2018</b> , 110, 416-424		56

587	Graphene: A versatile platform for nanotheranostics and tissue engineering. <b>2018</b> , 91, 24-69	98
586	Oral Presentation Abstracts. <b>2018</b> , 43, 24-69	
585	Cytotoxicity Evaluation of Ammonia-Modified Graphene Oxide Particles in Lung Cancer Cells and Embryonic Stem Cells. <b>2018</b> , 2018, 1-11	6
584	One step conversion of waste polyethylene to Cr <sub>3</sub> C <sub>2</sub> nanorods and Cr <sub>2</sub> AlC particles under mild conditions. <b>2018</b> , 5, 2893-2897	13
583	. <b>2018</b> ,	18
582	An ultrasensitive fluorescent aptasensor for detection of cancer marker proteins based on graphene oxide-ssDNA.. <b>2018</b> , 8, 41143-41149	6
581	Effect of pH and temperature on doxorubicin hydrochloride release from magnetite/graphene oxide nanocomposites. <b>2018</b> , 5, 15726-15732	10
580	Ultrasound Generation Enhancement with Carbon-Based Nanoparticles as Photoacoustic Sensitizers. <b>2018</b> ,	
579	Redox-responsive hyaluronic acid-functionalized graphene oxide nanosheets for targeted delivery of water-insoluble cancer drugs. <b>2018</b> , 13, 7457-7472	20
578	Effect of the size on the aggregation and sedimentation of graphene oxide in seawaters with different salinities. <b>2018</b> , 20, 1	8
577	Overviews of Biomimetic Medical Materials. <b>2018</b> , 1064, 3-24	3
576	The π-stacking-guided supramolecular self-assembly of nanomedicine for effective delivery of antineoplastic therapies. <b>2018</b> , 13, 3159-3177	23
575	Codelivery of Hydrophobic and Hydrophilic Drugs by Graphene-Decorated Magnetic Dendrimers. <b>2018</b> , 34, 15304-15318	27
574	Nanocomposites Based EMI Shielding Materials. <b>2018</b> , 263-288	
573	Targeted delivery of reduced graphene oxide nanosheets using multifunctional ultrasound nanobubbles for visualization and enhanced photothermal therapy. <b>2018</b> , 13, 7859-7872	18
572	Exfoliation in Endotoxin-Free Albumin Generates Pristine Graphene with Reduced Inflammatory Properties. <b>2018</b> , 2, 1800102	7
571	Monitoring of topoisomerase (I) inhibitor camptothecin release from endogenous redox-stimulated GO-polymer hybrid carrier. <b>2018</b> , 189, 14-20	1
570	Core/Shell Magnetic Nanoparticles for Biomedical Applications. <b>2018</b> , 41-58	6

569	Glucose-Reduced Nano-Graphene Oxide with Excellent Accumulation Removal of Pharmaceuticals and Personal Care Products from Water. <b>2018</b> , 05,	1
568	Quantitative Nanoscopy of Small Blinking Graphene Nanocarriers in Drug Delivery. <b>2018</b> , 29, 3658-3666	5
567	Designing Two-Dimensional Nanosheets for Improving Drug Delivery to Fucose-Receptor-Overexpressing Cancer Cells. <b>2018</b> , 13, 2644-2652	8
566	On-Demand Macroscale Delivery System Based on a Macroporous Cryogel with a High Drug Loading Capacity for Enhanced Cancer Therapy. <b>2018</b> , 4, 3498-3505	6
565	pH-sensitive and biocompatible quercetin-loaded GO-PEA-HA carrier improved antitumour efficiency and specificity. <b>2018</b> , 46, S28-S37	6
564	3D graphene aerogels-supported Ag and Ag@Ag <sub>3</sub> PO <sub>4</sub> heterostructure for the efficient adsorption-photocatalysis capture of different dye pollutants in water. <b>2018</b> , 105, 334-341	36
563	A Tumor Vascular-Targeted Interlocking Trimodal Nanosystem That Induces and Exploits Hypoxia. <b>2018</b> , 5, 1800034	24
562	Values of <i>C. elegans</i> in Toxicological Study. <b>2018</b> , 1-10	1
561	Rod-like cellulose nanocrystal/cis-aconityl-doxorubicin prodrug: A fluorescence-visible drug delivery system with enhanced cellular uptake and intracellular drug controlled release. <b>2018</b> , 91, 179-189	30
560	The biotransformation of graphene oxide in lung fluids significantly alters its inherent properties and bioactivities toward immune cells. <b>2018</b> , 10, 385-396	21
559	Self-assembly of one-side-functionalized graphene nanosheets in bilayered superstructures for drug delivery. <b>2018</b> , 53, 11167-11175	5
558	A preliminary study of surface enhanced Raman scattering immunoassay based on graphene oxide substrate. <b>2018</b> , 170, 146-151	3
557	Delivering miRNA modulators for cancer treatment. <b>2018</b> , 517-565	3
556	A Review on Graphene-Based Nanomaterials in Biomedical Applications and Risks in Environment and Health. <b>2018</b> , 10, 53	183
555	Folic acid-conjugated chitosan oligosaccharide-magnetic halloysite nanotubes as a delivery system for camptothecin. <b>2018</b> , 197, 117-127	57
554	Graphene oxide antagonizes the toxic response to arsenic via activation of protective autophagy and suppression of the arsenic-binding protein LEC-1 in <i>Caenorhabditis elegans</i> . <b>2018</b> , 5, 1711-1728	15
553	Graphene oxide coating core-shell silver sulfide@mesoporous silica for active targeted dual-mode imaging and chemo-photothermal synergistic therapy against tumors. <b>2018</b> , 6, 4808-4820	21
552	Antimicrobial and cytotoxic activity of graphene-based periocuticals. <b>2018</b> , 585-599	

551	Biomedical Applications of Graphene Nanomaterials and Beyond. <b>2018</b> , 4, 2653-2703		123
550	Carbon Nanomaterials for Nanomedicine. <b>2018</b> , 103-113		8
549	Biopolymers-graphene oxide nanoplatelets composites with enhanced conductivity and biocompatibility suitable for tissue engineering applications. <b>2018</b> , 457-544		0
548	Graphene and Graphene-Based Materials in Biomedical Science. <b>2018</b> , 35, 1800105		14
547	Carbon-based polymers for drug delivery. <b>2018</b> , 191-202		
546	Graphene Oxide-Assisted Accumulation and Layer-by-Layer Assembly of Antibacterial Peptide for Sustained Release Applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 24937-24946	9.5	28
545	A graphene oxide-based switch-on fluorescent probe for glutathione detection and cancer diagnosis. <i>Journal of Colloid and Interface Science</i> , <b>2018</b> , 530, 511-520	9.3	38
544	The nano-bio interaction and biomedical applications of carbon nanomaterials. <b>2018</b> , 138, 436-450		48
543	Modality switching between therapy and imaging based on the excitation wavelength dependence of dual-function agents in folic acid-conjugated graphene oxides. <b>2018</b> , 9, 705-716		2
542	In Vitro Cytotoxicity and Morphological Assessments of GO-ZnO against the MCF-7 Cells: Determination of Singlet Oxygen by Chemical Trapping. <b>2018</b> , 8,		14
541	Considerations for the Human Health Implications of Nanotheranostics. <b>2018</b> , 279-303		3
540	Recent Trends in Biomedical and Pharmaceutical Industry Due to Engineered Nanomaterials. <b>2018</b> , 499-519		1
539	Hyaluronic acid functionalized green reduced graphene oxide for targeted cancer photothermal therapy. <b>2018</b> , 200, 93-99		72
538	Bioinspired gold nanoparticles decorated reduced graphene oxide nanocomposite using <i>Syzygium cumini</i> seed extract: Evaluation of its biological applications. <b>2018</b> , 93, 191-205		38
537	Graphene oxide sensitizes cancer cells to chemotherapeutics by inducing early autophagy events, promoting nuclear trafficking and necrosis. <b>2018</b> , 8, 2477-2487		32
536	In situ topographical chemical and electrical imaging of carboxyl graphene oxide at the nanoscale. <b>2018</b> , 9, 2891		42
535	Facile, environmentally benign and scalable approach to produce pristine few layers graphene suitable for preparing biocompatible polymer nanocomposites. <i>Scientific Reports</i> , <b>2018</b> , 8, 11228	4.9	14
534	Carrier-Free Microspheres of an Anti-Cancer Drug Synthesized via a Sodium Catalyst for Controlled-Release Drug Delivery. <i>Materials</i> , <b>2018</b> , 11,	3.5	6

533	Bio-transformation of Graphene Oxide in Lung Fluids Significantly Enhances Its Photothermal Efficacy. <b>2018</b> , 2, 222-232		15
532	ECyclodextrin grafted magnetic graphene oxide applicable as cancer drug delivery agent: Synthesis and characterization. <b>2018</b> , 218, 62-69		63
531	Preparation of folic acid-conjugated dendritic mesoporous silica nanoparticles for pH-controlled release and targeted delivery of a cyclometallated gold(III) complex as an antitumor agent. <i>Journal of Molecular Liquids</i> , <b>2018</b> , 265, 797-806	6	14
530	Cancer Targeting and Drug Delivery Using Carbon-Based Quantum Dots and Nanotubes. <b>2018</b> , 23,		125
529	Scalable Fabrication of High-Performance Transparent Conductors Using Graphene Oxide-Stabilized Single-Walled Carbon Nanotube Inks. <b>2018</b> , 8,		10
528	Confined Growth of Carbon Nanotubes in Nanocutting Channel on Highly Oriented Pyrolytic Graphite. <b>2018</b> , 13, 1850071		0
527	Functionalized Graphene Oxide as a nanocarrier of new Copper (II) complexes for targeted therapy on nasopharyngeal carcinoma. <b>2018</b> , 123, 249-259		14
526	Novel synthesis of NiS/MMT/GO nanocomposites with enhanced peroxidase-like activity for sensitive colorimetric detection of glutathione in solution. <b>2018</b> , 1, 612-623		13
525	Functionalization of graphene family nanomaterials for application in cancer therapy. <b>2018</b> , 171, 260-275		51
524	On-chip analysis of carbon dots effect on yeast replicative lifespan. <b>2018</b> , 1033, 119-127		18
523	Tobramycin mediated silver nanospheres/graphene oxide composite for synergistic therapy of bacterial infection. <b>2018</b> , 183, 342-348		21
522	FePt nanoparticles-decorated graphene oxide nanosheets as enhanced peroxidase mimics for sensitive response to HO. <b>2018</b> , 90, 610-620		74
521	Binding Characteristics of Anticancer Drug Doxorubicin with Two-Dimensional Graphene and Graphene Oxide: Insights from Density Functional Theory Calculations and Fluorescence Spectroscopy. <b>2018</b> , 122, 21031-21038		24
520	A Low-Cost Non-explosive Synthesis of Graphene Oxide for Scalable Applications. <i>Scientific Reports</i> , <b>2018</b> , 8, 12007	4-9	68
519	Porphyrinoid biohybrid materials as an emerging toolbox for biomedical light management. <b>2018</b> , 47, 7369-7400		112
518	Self-assembly of folic acid dextran conjugates for cancer chemotherapy. <b>2018</b> , 10, 17265-17274		32
517	Multifunctional Carbon-Based Nanomaterials: Applications in Biomolecular Imaging and Therapy. <b>2018</b> , 3, 9126-9145		42
516	8-Hydroxyquinoline Functionalized Graphene Oxide: an Efficient Fluorescent Nanosensor for Zn in Aqueous Media. <b>2018</b> , 28, 1173-1180		8

515	POxylated graphene oxide nanomaterials for combination chemo-phototherapy of breast cancer cells. <b>2018</b> , 131, 162-169	38
514	Synthesis, characterization and antifungal activity of a novel formulated nanocomposite containing Indolicidin and Graphene oxide against disseminated candidiasis. <b>2018</b> , 28, 628-636	12
513	Nanotoxicology in <i>Caenorhabditis elegans</i> . <b>2018</b> ,	76
512	Biomedical Applications of Graphene. <b>2018</b> , 215-232	10
511	Hybridized graphene nanomaterials for drug delivery, cyto-compatibility, and electrochemical biosensor application * *Volume VI: Carbon (Nanotube, Fullerene, Graphene) Nanomaterials.. <b>2018</b> , 375-411	1
510	Functionalized graphene. <b>2018</b> , 545-584	3
509	Hierarchical nanocomposites of graphene oxide and PEGylated protoporphyrin as carriers to load doxorubicin hydrochloride for trimodal synergistic therapy. <b>2018</b> , 6, 4687-4696	33
508	Tumor targeting dual stimuli responsive controllable release nanoplatfrom based on DNA-conjugated reduced graphene oxide for chemo-photothermal synergetic cancer therapy. <b>2018</b> , 6, 4360-4367	37
507	Synthesis and characterization of blue fluorescent surface modified nano-graphene oxide flakes as a pH-sensitive drug delivery system. <b>2018</b> , 124, 1	4
506	Graphene-based materials for application in pharmaceutical nanotechnology. <b>2018</b> , 297-329	4
505	The Fabrication of rGO/(PLL/PASP) @DOX Nanorods with pH-Switch for Photothermal Therapy and Chemotherapy. <b>2018</b> , 24, 13830-13838	6
504	Platinated graphene oxide: A nanoplatfrom for efficient gene-chemo combination cancer therapy. <b>2018</b> , 121, 319-329	13
503	Mass Production of Biocompatible Graphene Using Silk Nanofibers. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 22924-22931	9.5 29
502	Achieving stem cell imaging and osteogenic differentiation by using nitrogen doped graphene quantum dots. <b>2018</b> , 29, 85	14
501	Graphene-based nanomaterials in cancer treatment and diagnosis. <b>2018</b> , 331-374	12
500	Recent progress of functionalised graphene oxide in cancer therapy. <b>2019</b> , 27, 125-144	19
499	Hierarchically Porous Hydroxyapatite Hybrid Scaffold Incorporated with Reduced Graphene Oxide for Rapid Bone Ingrowth and Repair. <b>2019</b> , 13, 9595-9606	93
498	Sustainable Drug Delivery of Famotidine Using Chitosan-Functionalized Graphene Oxide as Nanocarrier. <b>2019</b> , 3, 1900002	9

497	The systemic effect of PEG-nGO-induced oxidative stress in vivo in a rodent model. <b>2019</b> , 10, 901-911		44
496	Two dimensional carbon based nanocomposites as multimodal therapeutic and diagnostic platform: A biomedical and toxicological perspective. <b>2019</b> , 308, 130-161		20
495	Cation-induced coagulation in graphene oxide suspensions. <b>2019</b> , 13, 139-146		9
494	Graphene Family of Nanomaterials: Reviewing Advanced Applications in Drug delivery and Medicine. <b>2019</b> , 16, 195-214		25
493	Nanocarbons for Biology and Medicine: Sensing, Imaging, and Drug Delivery. <b>2019</b> , 119, 9559-9656		219
492	Porphyrin functionalized Co(OH)/GO nanocomposites as an excellent peroxidase mimic for colorimetric biosensing. <b>2019</b> , 144, 5284-5291		30
491	The Physicochemical Properties of Graphene Nanocomposites Influence the Anticancer Effect. <b>2019</b> , 2019, 7254534		4
490	Nanoparticle- and Nanoporous-Membrane-Mediated Delivery of Therapeutics. <b>2019</b> , 11,		21
489	Functional Layered Double Hydroxide Nanohybrids for Biomedical Imaging. <b>2019</b> , 9,		16
488	Recent Advances in Nanomaterials-Based Chemo-Photothermal Combination Therapy for Improving Cancer Treatment. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2019</b> , 7, 293	5.8	54
487	Nanoparticles-Mediated Combination Therapies for Cancer Treatment. <b>2019</b> , 2, 1900076		26
486	Carbon-Based Nanomedicine. <b>2019</b> , 209-231		
485	Graphene-Based Materials for Implants. <b>2019</b> , 143-175		0
484	Graphene-Based Fiber Optic Label-Free Biosensor. <b>2019</b> , 371-396		1
483	Bio-Nano Interfacial Interactions for Drug Delivery Systems. <b>2019</b> , 53-73		
482	Graphene-based drug delivery systems. <b>2019</b> , 149-168		6
481	Emerging technologies for arsenic removal from drinking water in rural and peri-urban areas: Methods, experience from, and options for Latin America. <b>2019</b> , 694, 133427		68
480	Optimized polylactic acid/polyethylene glycol (PLA/PEG) electrospun fibrous scaffold for drug delivery: effect of graphene oxide on the cefixime release mechanism. <b>2019</b> , 6, 115351		5



479	Supramolecular Graphene-Based Systems for Drug Delivery. <b>2019</b> , 443-479		
478	pH-Responsive Polymer-Stabilized ZIF-8 Nanocomposites for Fluorescence and Magnetic Resonance Dual-Modal Imaging-Guided Chemo-/Photodynamic Combinational Cancer Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 34268-34281	9.5	48
477	Synthesis of sevoflurane loaded reduced graphene oxide nanoparticles system for neuroprotective effects for preconditioning against focal cerebral ischaemia. <b>2019</b> , 47, 3517-3523		2
476	Overcoming the stability, toxicity, and biodegradation challenges of tumor stimuli-responsive inorganic nanoparticles for delivery of cancer therapeutics. <b>2019</b> , 16, 1095-1112		38
475	Nanomaterials meet zebrafish: Toxicity evaluation and drug delivery applications. <b>2019</b> , 311-312, 301-318		49
474	Controllable Synthesis of Monodispersed NU-1000 Drug Carrier for Chemotherapy.. <b>2019</b> , 2, 4436-4441		8
473	Size Separation of Graphene Oxide Using Alternating Current Electric Field. <b>2019</b> , 48, 630-633		1
472	Functionalization of zigzag graphene nanoribbon with DNA nucleobases-A DFT study. <b>2019</b> , 496, 143667		2
471	Graphene Oxide Nanoparticles Having Long Wavelength Absorbing Chlorins for Highly-Enhanced Photodynamic Therapy with Reduced Dark Toxicity. <b>2019</b> , 20,		8
470	Visible light-driven multi-motion modes CNC/TiO <sub>2</sub> nanomotors for highly efficient degradation of emerging contaminants. <b>2019</b> , 155, 195-203		19
469	Graphene Oxide Nanocarriers for Fluorescent Sensing of Calcium Ion Accumulation and Direct Assessment of Ion-Induced Enzymatic Activities in Cells. <b>2019</b> , 2, 5594-5603		3
468	Slow degrading hyaluronic acid hydrogel reinforced with cationized graphene nanosheets. <b>2019</b> , 141, 232-239		15
467	Emerging 2D material-based nanocarrier for cancer therapy beyond graphene. <b>2019</b> , 400, 213041		54
466	Effect of pH-Responsive Charge-Conversional Polymer Coating to Cationic Reduced Graphene Oxide Nanostructures for Tumor Microenvironment-Targeted Drug Delivery Systems. <b>2019</b> , 9,		8
465	Microfluidic manufacturing of surface-functionalized graphene oxide nanoflakes for gene delivery. <b>2019</b> , 11, 2733-2741		43
464	Synthesis and characterization of PEG-functionalized graphene oxide as an effective pH-sensitive drug carrier. <b>2019</b> , 47, 90-94		40
463	Comprehensive Application of Graphene: Emphasis on Biomedical Concerns. <b>2019</b> , 11, 6		97
462	Fabrication of NiCoBN (h) Nanocomposite Coatings with Jet Electrodeposition in Different Pulse Parameters. <b>2019</b> , 9, 50		11

461	Nanoparticle-microRNA-146a-5p polyplexes ameliorate diabetic peripheral neuropathy by modulating inflammation and apoptosis. <b>2019</b> , 17, 188-197		31
460	A graphene oxide/gold nanoparticle-based amplification method for SERS immunoassay of cardiac troponin I. <b>2019</b> , 144, 1582-1589		71
459	Engineering graphene oxide with ultrasmall SPIONs and smart drug release for cancer theranostics. <b>2019</b> , 55, 1963-1966		26
458	Mechanistic Study on Adsorption Desulfurization Using Modified Graphene. <b>2019</b> , 58, 10589-10598		14
457	Inherent Chemotherapeutic Anti-Cancer Effects of Low-Dimensional Nanomaterials. <b>2019</b> , 25, 10995-11006		8
456	Graphene- and Graphene Oxide-Based Nanocomposite Platforms for Electrochemical Biosensing Applications. <b>2019</b> , 20,		59
455	Effect of highly dispersed graphene and graphene oxide in 3D nanofibrous bacterial cellulose scaffold on cell responses: A comparative study. <b>2019</b> , 235, 121774		19
454	Graphene family nanomaterials for application in cancer combination photothermal therapy. <i>Biomaterials Science</i> , <b>2019</b> , 7, 3534-3551	7.4	65
453	Graphene Oxide for Drug Delivery and Cancer Therapy. <b>2019</b> , 447-488		10
452	Graphene oxide nanocells for impairing topoisomerase and DNA in cancer cells. <b>2019</b> , 7, 4191-4197		5
451	Delivery of Oridonin and Methotrexate via PEGylated Graphene Oxide. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 22915-22924	9.5	29
450	Macrocyclic Amphiphiles for Drug Delivery. <b>2019</b> , 59, 913-927		25
449	Structure and Biological Properties of Surface-Engineered Carbon Nanofibers. <b>2019</b> , 2019, 1-14		5
448	Recent advances in graphene-based nanomaterials: properties, toxicity and applications in chemistry, biology and medicine. <b>2019</b> , 186, 395		41
447	Self-assembling of graphene oxide on carbon quantum dot loaded liposomes. <b>2019</b> , 103, 109860		4
446	Microfluidic-generated lipid-graphene oxide nanoparticles for gene delivery. <b>2019</b> , 114, 233701		16
445	Efficient combined near-infrared-triggered therapy: Phototherapy over chemotherapy in chitosan-reduced graphene oxide-IR820 dye-doxorubicin nanoplatforms. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 552, 218-229	9.3	21
444	Cobalt nanowire-based multifunctional platform for targeted chemo-photothermal synergistic cancer therapy. <b>2019</b> , 180, 401-410		23

443	Graphene Oxide Promoted Cadmium Uptake by Rice in Soil. <b>2019</b> , 7, 10283-10292	17
442	Fabrication of Graphene Nanoplatelet-Incorporated Porous Hydroxyapatite Composites: Improved Mechanical and in Vivo Imaging Performances for Emerging Biomedical Applications. <b>2019</b> , 4, 7448-7458	12
441	NIR absorbing reduced graphene oxide for photothermal radiotherapy for treatment of esophageal cancer. <b>2019</b> , 194, 188-193	20
440	Bioinspired Nanocomposites: Applications in Disease Diagnosis and Treatment. <b>2019</b> , 7, 206-219	47
439	Easy Applied Gelatin-Based Hydrogel System for Long-Term Functional Cardiomyocyte Culture and Myocardium Formation. <b>2019</b> , 5, 3022-3031	14
438	Luminescent carbon nanodots based aptasensors for rapid detection of kanamycin residue. <b>2019</b> , 202, 452-459	16
437	Functionalized graphene-based nanomaterials for drug delivery and biomedical applications in cancer chemotherapy. <b>2019</b> , 429-460	4
436	Review Biosensing and Biomedical Applications of Graphene: A Review of Current Progress and Future Prospect. <b>2019</b> , 166, B505-B520	24
435	Simultaneous determination of insulin and glucose in human serum based on dual emissive fluorescent nano-aptasensor of carbon dots and CdTe/CdS/ZnS quantum dots. <b>2019</b> , 292, 321-330	16
434	Aggregation morphology is a key factor determining protein adsorption on graphene oxide and reduced graphene oxide nanomaterials. <b>2019</b> , 6, 1303-1309	24
433	Synergistic Osteogenesis of Biocompatible Reduced Graphene Oxide with Methyl Vanillate in BMSCs. <b>2019</b> , 5, 1920-1936	8
432	Interactions between the Aryldiazonium Cations and Graphene Oxide: A DFT Study. <b>2019</b> , 2019, 1-5	30
431	In vitro cardiotoxicity evaluation of graphene oxide. <b>2019</b> , 841, 8-13	17
430	Green synthesized amino-PEGylated silver decorated graphene nanoplateform as a tumor-targeted controlled drug delivery system. <b>2019</b> , 1, 1	10
429	Electrophoretic size fractionation of graphene oxide nanosheets. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 5047-5054	3.6 8
428	Biomedical application of graphenes. <b>2019</b> , 319-339	4
427	Hexagonal boron nitride nanosheet as novel drug delivery system for anticancer drugs: Insights from DFT calculations and molecular dynamics simulations. <b>2019</b> , 89, 50-59	69
426	Differential Scanning Calorimetry (DSC): An Invaluable Tool for the Thermal Evaluation of Advanced Chimeric Liposomal Drug Delivery Nanosystems. <b>2019</b> , 297-337	2

425	Nanocomplexes of Graphene Oxide and Platinum Nanoparticles against Colorectal Cancer Colo205, HT-29, HTC-116, SW480, Liver Cancer HepG2, Human Breast Cancer MCF-7, and Adenocarcinoma LNCaP and Human Cervical HeLa B Cell Lines. <i>Materials</i> , <b>2019</b> , 12,	3.5	16
424	Gene-Embedded Nanostructural Biotic-Abiotic Optoelectrode Arrays Applied for Synchronous Brain Optogenetics and Neural Signal Recording. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 11270-11287	0.5	7
423	Fluorescent DNA Biosensor for Single-Base Mismatch Detection Assisted by Cationic Comb-Type Copolymer. <b>2019</b> , 24,		4
422	Thermodynamics and Biophysics of Biomedical Nanosystems. <b>2019</b> ,		3
421	Molybdenum disulfide-based hyaluronic acid-guided multifunctional theranostic nanoplatfom for magnetic resonance imaging and synergetic chemo-photothermal therapy. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 548, 131-144	9.3	18
420	Engineering of Yin Yang-like nanocarriers for varisized guest delivery and synergistic eradication of patient-derived hepatocellular carcinoma. <b>2019</b> , 4, 1046-1055		7
419	Release of methylene blue from graphene oxide-coated electrospun nanofibrous scaffolds to modulate functions of neural progenitor cells. <b>2019</b> , 88, 346-356		15
418	Nanogold Flower-Inspired Nanoarchitectonics Enables Enhanced Light-to-Heat Conversion Ability for Rapid and Targeted Chemo-Photothermal Therapy of a Tumor. <b>2019</b> , 8, e1801300		13
417	Uniform carboxymethyl chitosan-enveloped Pluronic F68/poly(lactic-co-glycolic acid) nano-vehicles for facilitated oral delivery of gefitinib, a poorly soluble antitumor compound. <b>2019</b> , 177, 425-432		20
416	Progress and Prospects of Graphdiyne-Based Materials in Biomedical Applications. <b>2019</b> , 31, e1804386		71
415	Functionalized nanographene oxide in biomedicine applications: bioinspired surface modifications, multidrug shielding, and site-specific trafficking. <b>2019</b> , 24, 749-762		6
414	Graphene Oxide Nanoplatelets Potentiate Anticancer Effect of Cisplatin in Human Lung Cancer Cells. <b>2019</b> , 35, 3176-3182		30
413	Applications of graphene oxide in case of nanomedicines and nanocarriers for biomolecules: review study. <b>2019</b> , 51, 12-41		41
412	Ceramide-Graphene Oxide Nanoparticles Enhance Cytotoxicity and Decrease HCC Xenograft Development: A Novel Approach for Targeted Cancer Therapy. <b>2019</b> , 10, 69		15
411	Graphene quantum dot assisted translocation of drugs into a cell membrane. <b>2019</b> , 11, 4503-4514		32
410	Micropatterned, electroactive, and biodegradable poly(glycerol sebacate)-aniline trimer elastomer for cardiac tissue engineering. <b>2019</b> , 366, 208-222		66
409	Graphene nano-ribbon based high potential and efficiency for DNA, cancer therapy and drug delivery applications. <b>2019</b> , 51, 91-104		31
408	Exploration on the adsorption mechanism of aminopyrimidines and quinazoline compounds on graphene oxide: Hydrophobicity and structure-controlled release process. <b>2019</b> , 9, 419-428		1

407	Graphene: promising nanoplatform for biomedical applications. <b>2019</b> , 307-322		
406	Regulation of Neural Stem Cell Proliferation and Differentiation by Graphene-Based Biomaterials. <b>2019</b> , 2019, 3608386		13
405	Poly(glycidyl methacrylate)-coated magnetic graphene oxide as a highly efficient nanocarrier: preparation, characterization, and targeted DOX delivery. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 18647-18656	26	13
404	Fluorescent polymer dots and graphene oxide based nanocomplexes for "off-on" detection of metalloproteinase-9. <b>2019</b> , 11, 20903-20909		8
403	The controllable growth of ultrathin MnO on polydopamine nanospheres as a single nanoplatform for the MRI-guided synergistic therapy of tumors. <b>2019</b> , 7, 7152-7161		23
402	Functional Graphene Derivatives for Chemotherapy-Based Synergistic Tumor Therapy. <b>2019</b> , 14, 1930006		4
401	Solvation of Pristine Graphene Using Amino Acids: A Molecular Simulation and Experimental Analysis. <b>2019</b> , 123, 30234-30244		6
400	Graphene Oxide-Based Biosensors for Liquid Biopsies in Cancer Diagnosis. <b>2019</b> , 9,		9
399	Polymer conjugated graphene-oxide nanoparticles impair nuclear DNA and Topoisomerase I in cancer. <b>2019</b> , 1, 4965-4971		4
398	Physically-triggered nanosystems based on two-dimensional materials for cancer theranostics. <i>Advanced Drug Delivery Reviews</i> , <b>2019</b> , 138, 211-232	18,5	39
397	Green one-pot synthesis of carboxymethylcellulose/Zn-based metal-organic framework/graphene oxide bio-nanocomposite as a nanocarrier for drug delivery system. <b>2019</b> , 208, 294-301		96
396	PEGylated doxorubicin cloaked nano-graphene oxide for dual-responsive photochemical therapy. <b>2019</b> , 557, 66-73		25
395	Modeling Interactions between Liposomes and Hydrophobic Nanosheets. <i>Small</i> , <b>2019</b> , 15, e1804992	11	13
394	Analysis of the electro-optical response of graphene oxide dispersions under alternating fields. <b>2019</b> , 144, 395-401		4
393	Reinforcing nanomedicine using graphene nanoribbons. <b>2019</b> , 49, 334-344		1
392	Photothermally Enhanced Chemotherapy Delivered by Graphene Oxide-Based Multiresponsive Nanogels.. <b>2019</b> , 2, 330-338		5
391	Polyethylenimine Coated Graphene Oxide Nanoparticles for Targeting Mitochondria in Cancer Cells.. <b>2019</b> , 2, 14-19		24
390	Synthesis of three dimensional N&S co-doped rGO foam with high capacity and long cycling stability for supercapacitors. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 537, 57-65	9,3	22

- 389 Impact of electromagnetic fields on in vitro toxicity of silver and graphene nanoparticles. **2019**, 38, 21-31 11
- 388 Graphene oxide model with desirable structural and chemical properties. **2019**, 143, 566-577 17
- 387 Oxidized graphene nanoparticles as a delivery system for the pro-apoptotic sphingolipid C ceramide. **2019**, 107, 25-37 9
- 386 Folic-Acid-Adorned PEGylated Graphene Oxide Interferes with the Cell Migration of Triple Negative Breast Cancer Cell Line, MDAMB-231 by Targeting miR-21/PTEN Axis through NFB. **2019**, 5, 373-389 9
- 385 Layer-by-layer modification of magnetic graphene oxide by chitosan and sodium alginate with enhanced dispersibility for targeted drug delivery and photothermal therapy. **2019**, 176, 462-470 62
- 384 Pd nanoparticle-decorated hydroxy boron nitride nanosheets as a novel drug carrier for chemo-photothermal therapy. **2019**, 176, 300-308 20
- 383 Reduced graphene oxide (rGO) hybridized hydrogel as a near-infrared (NIR)/pH dual-responsive platform for combined chemo-photothermal therapy. *Journal of Colloid and Interface Science*, **2019**, 536, 160-170 9.3 81
- 382 Cellulose-Derived Nanographene Oxide Surface-Functionalized Three-Dimensional Scaffolds with Drug Delivery Capability. *Biomacromolecules*, **2019**, 20, 738-749 6.9 13
- 381 Novel controlled drug release system engineered with inclusion complexes based on carboxylic graphene. **2019**, 175, 18-25 9
- 380 Stimuli-responsive graphene-incorporated multifunctional chitosan for drug delivery applications: a review. **2019**, 16, 79-99 56
- 379 Preparation of liposomal doxorubicin-graphene nanosheet and evaluation of its in vitro anti-cancer effects. **2019**, 29, 163-170 10
- 378 Graphene oxide as a pesticide delivery vector for enhancing acaricidal activity against spider mites. **2019**, 173, 632-638 24
- 377 Functionalized graphene nanosheets with improved dispersion stability and superior paclitaxel loading capacity. **2019**, 173, 421-428 23
- 376 Effects of graphene oxides and silver-graphene oxides on aquatic microbial activity. **2019**, 651, 1087-1095 11
- 375 A facile one pot synthesis of highly stable PVAluO hybrid nanofluid for heat transfer application. **2020**, 207, 319-330 7
- 374 Crown-ether functionalized graphene oxide for metal ions sequestration. **2020**, 122, 110643 15
- 373 Self-assembled small molecule natural product gel for drug delivery: a breakthrough in new application of small molecule natural products. **2020**, 10, 913-927 27
- 372 Porphyrin-like porous nanomaterials as drug delivery systems for ibuprofen drug. **2020**, 118, e1678776 5

371	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
370	Graphene oxide-based magnetic nanocomposites for the delivery of melittin to cervical cancer HeLa cells. <b>2020</b> , 31, 065102	13
369	Two-dimensional nanostructure colloids in novel nano drug delivery systems. <b>2020</b> , 585, 124077	9
368	Understanding co-loading of doxorubicin and camptothecin on graphene and folic acid-conjugated graphene for targeting drug delivery: classical MD simulation and DFT calculation. <b>2020</b> , 38, 2737-2745	21
367	2D Nanomaterials for Cancer Theranostic Applications. <b>2020</b> , 32, e1902333	193
366	Preparation of Epoxidized Natural Rubbers with Improved Aging Resistance by Covalently Bridging Graphene and Antioxidants. <b>2020</b> , 30, 1553-1565	2
365	Delivery of long chain C and C ceramide in HeLa cells using oxidized graphene nanoribbons. <b>2020</b> , 108, 1141-1156	5
364	Decorations of graphene oxide with cisplatin toward investigation of fluorescence quencher on regulatory sequence of BRCA1 and BRCA2. <b>2020</b> , 17, 127-134	1
363	Fabrication of chitosan/graphene oxide composite aerogel microspheres with high bilirubin removal performance. <b>2020</b> , 106, 110162	34
362	Biomedical application of graphene: From drug delivery, tumor therapy, to theranostics. <b>2020</b> , 185, 110596	75
361	Recent Advances in Multifunctional Graphitic Nanocapsules for Raman Detection, Imaging, and Therapy. <b>2020</b> , 4, 1900440	10
360	Early-life long-term exposure to ZnO nanoparticles suppresses innate immunity regulated by SKN-1/Nrf and the p38 MAPK signaling pathway in <i>Caenorhabditis elegans</i> . <b>2020</b> , 256, 113382	9
359	Dual pH- and GSH-Responsive Degradable PEGylated Graphene Quantum Dot-Based Nanoparticles for Enhanced HER2-Positive Breast Cancer Therapy. <b>2020</b> , 10,	21
358	Enhanced adsorption of hydrophobic organic contaminants by high surface area porous graphene. <b>2020</b> , 27, 7309-7317	7
357	Probing the adsorption and release mechanisms of cytarabine anticancer drug on/from dopamine functionalized graphene oxide as a highly efficient drug delivery system. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 301, 112458	6 18
356	Enhanced drug efficiency of doped ZnO@GO (graphene oxide) nanocomposites, a new gateway in drug delivery systems (DDSs). <b>2020</b> , 7, 015405	16
355	Characterization and actuation behavior of SPS/SGO ion exchange polymer actuator based on PEDOT: PSS/SGO composite electrode. <b>2020</b> , 59, 687-701	0
354	Facile synthesis of Ca-crosslinked sodium alginate/graphene oxide hybrids as electro- and pH-responsive drug carrier. <b>2020</b> , 108, 110380	20

353	Fullerene C60 containing porphyrin-like metal center as drug delivery system for ibuprofen drug. <b>2019</b> , 26, 7		20
352	Cellular Uptake of Mildly Oxidized Nanographene for Drug-Delivery Applications. <b>2020</b> , 3, 428-439		13
351	Recent progresses and challenges in graphene based nano materials for advanced therapeutical applications: a comprehensive review. <b>2020</b> , 22, 100823		23
350	Chelating ZnO-dopamine on the surface of graphene oxide and its application as pH-responsive and antibacterial nanohybrid delivery agent for doxorubicin. <b>2020</b> , 108, 110459		31
349	Fluorescence quenching effects of carbon nano-structures (Graphene Oxide and Nano Diamond) coupled with Methylene Blue. <b>2020</b> , 229, 117888		10
348	Development of silver/graphene oxide nanocomposites for antibacterial and antibiofilm applications. <b>2020</b> , 83, 46-52		16
347	Modulation of virulence in <i>Enterococcus faecalis</i> cells surviving antimicrobial photodynamic inactivation with reduced graphene oxide-curcumin: An ex vivo biofilm model. <b>2020</b> , 29, 101643		18
346	Two dimensional porous frameworks of graphyne family as therapeutic delivery vehicles for Idarubicin biomolecule in silico: Density functional theory and molecular dynamics simulation. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 319, 114334	6	5
345	The <i>C. elegans</i> miR-235 regulates the toxicity of graphene oxide via targeting the nuclear hormone receptor DAF-12 in the intestine. <i>Scientific Reports</i> , <b>2020</b> , 10, 16933	4-9	0
344	Amplified Activity of Artesunate Mediated by Iron Oxide Nanoparticles Loaded on a Graphene Oxide Carrier for Cancer Therapeutics.. <b>2020</b> , 3, 6722-6736		3
343	Cutting edge development on graphene derivatives modified by liquid crystal and CdS/TiO <sub>2</sub> hybrid matrix: optoelectronics and biotechnological aspects. <b>2020</b> , 1-65		37
342	Alternating Magnetic Field Controlled Targeted Drug Delivery Based on Graphene Oxide-Grafted Nanosupramolecules. <b>2020</b> , 26, 13698-13703		8
341	Endohedral metalloborospherenes as promising drug delivery systems. <b>2020</b> , 73, 1425-1435		1
340	Two-Dimensional Nanomaterials for Photoinduced Antibacterial Applications.. <b>2020</b> , 3, 8188-8210		13
339	Applications of Graphene and Graphene Oxide in Smart Drug/Gene Delivery: Is the World Still Flat?. <b>2020</b> , 15, 9469-9496		44
338	A Review on Chitosan's Uses as Biomaterial: Tissue Engineering, Drug Delivery Systems and Cancer Treatment. <i>Materials</i> , <b>2020</b> , 13,	3-5	26
337	Functionalization of Graphene Oxide Nanosheets Can Reduce Their Cytotoxicity to Dental Pulp Stem Cells. <b>2020</b> , 2020, 1-14		5
336	Graphene-based functional nanomaterials for biomedical and bioanalysis applications. <b>2020</b> , 23, 100184		43



335	Mechanistic Insights into the Cytotoxicity of Graphene Oxide Derivatives in Mammalian Cells. <b>2020</b> , 33, 2247-2260	8
334	Functionalization of Graphene Oxide with Porphyrins: Synthetic Routes and Biological Applications. <b>2020</b> , 85, 1857-1880	14
333	Molecular dynamics study on the adsorption and release of doxorubicin by chitosan-decorated graphene. <b>2020</b> , 248, 116809	7
332	UiO-66/GO Composites with Improved Electrochemical Properties for Effective Detection of Phosphite(P(III)) in Phosphate(P(V)) Buffer Solutions. <b>2020</b> , 5, 10855-10862	0
331	Bilayer MSe <sub>2</sub> and MS <sub>2</sub> (M=Mo, W) as a novel drug delivery system for Lapachone anticancer drug: Quantum chemical study. <b>2020</b> , 1190, 112999	5
330	Synthesis, Characterization, and Toxicity Assessment of Pluronic F127-Functionalized Graphene Oxide on the Embryonic Development of Zebrafish (. <b>2020</b> , 15, 8311-8329	4
329	Effects of intraperitoneal injection of magnetic graphene oxide on the improvement of acute liver injury induced by CCl <sub>4</sub> . <b>2020</b> , 24, 14	6
328	Molecular Design of Layer-by-Layer Functionalized Liposomes for Oral Drug Delivery. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 43341-43351	9.5 14
327	Solar Energy Conversion in Communities. <b>2020</b> ,	1
326	Assessment of reusable graphene wool adsorbent for the simultaneous removal of selected 2-6 ringed polycyclic aromatic hydrocarbons from aqueous solution. <b>2020</b> , 1-14	7
325	Application of Nanomaterials in Development of Electrochemical Sensors and Drug Delivery Systems for Anticancer Drugs and Cancer Biomarkers. <b>2020</b> , 1-23	7
324	Morphological Changes and Cellular Uptake of Functionalized Graphene Oxide Loaded with Protocatechuic Acid and Folic Acid in Hepatocellular Carcinoma Cancer Cell. <b>2020</b> , 21,	5
323	Coupled hybrid nanoparticles for improved dispersion stability of nanosuspensions: a review. <b>2020</b> , 22, 1	6
322	Development of graphene based nanocomposites towards medical and biological applications. <b>2020</b> , 48, 1189-1205	11
321	Effect on the aromaticity of heterocyclic ligands by coordination with ruthenium electron-withdrawing metal centers. <b>2020</b> , 120, e26412	
320	Functionalized graphene oxide as a vehicle for targeted drug delivery and bioimaging applications. <b>2020</b> , 8, 8116-8148	25
319	Enhanced antitumor activity of bovine lactoferrin through immobilization onto functionalized nano graphene oxide: an / study. <b>2020</b> , 27, 1236-1247	6
318	Development and evaluation of a pH-responsive and water-soluble drug delivery system based on smart polymer coating of graphene nanosheets: an study.. <b>2020</b> , 10, 31106-31114	6

317	Novel materials and therapeutic strategies against the infection of implants. <b>2020</b> , 3, 545-557		0
316	Inducing endoplasmic reticulum stress in cancer cells using graphene oxide-based nanoparticles. <b>2020</b> , 2, 4887-4894		7
315	Graphene Oxide as a Nanocarrier for Biochemical Molecules: Current Understanding and Trends. <b>2020</b> , 8, 1636		4
314	Methods to Scale Down Graphene Oxide Size and Size Implication in Anti-cancer Applications. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2020</b> , 8, 613280	5.8	4
313	Use of graphene-based materials as carriers of bioactive agents. <b>2021</b> , 16, 577-588		28
312	Graphene Oxide-Template Gold Nanosheets as Highly Efficient Near-Infrared Hyperthermia Agents for Cancer Therapy. <b>2020</b> , 15, 8451-8463		4
311	Toxicity of graphene based nanomaterials: A general overview of origin, exposure and mechanisms. <b>2020</b> , 281-325		3
310	MTT assay dataset of polyethylenimine coated graphene oxide nanosheets on breast cancer cell lines (MCF7, MDA-MB-231, MDA-MB-468). <b>2020</b> , 28, 197-202		1
309	Functionalized Carbon Nanostructures Versus Drug Resistance: Promising Scenarios in Cancer Treatment. <b>2020</b> , 25,		4
308	Surface-Enhanced Raman Scattering due to a Synergistic Effect on ZnS and Graphene Oxide. <b>2020</b> , 124, 12742-12751		6
307	Mussel-Inspired Surface Acrylation on Graphene Oxide Using Acrylic Surface Primers and Its Hydrogel-Based Applications: Sustained Drug Release and Tissue Scaffolds. <b>2020</b> , 5, 5842-5849		1
306	Recent advances in photodynamic therapy based on emerging two-dimensional layered nanomaterials. <i>Nano Research</i> , <b>2020</b> , 13, 1485-1508	10	24
305	Theranostics Application of Graphene-Based Materials in Cancer Imaging, Targeting and Treatment. <b>2020</b> ,		1
304	Graphene Quantum Dot Oxidation Governs Noncovalent Biopolymer Adsorption. <i>Scientific Reports</i> , <b>2020</b> , 10, 7074	4.9	15
303	Graphene-based multifunctional nanosystems for simultaneous detection and treatment of breast cancer. <b>2020</b> , 193, 111104		26
302	Synthesis and Antibacterial Activity Investigation of Novel Cuprous Oxide-Graphene Oxide Nanocomposites. <b>2020</b> , 49, 693-696		2
301	Controlling physicochemical properties of graphene oxide for efficient cellular delivery. <b>2020</b> , 88, 312-318		8
300	Novel borospherenes as cisplatin anticancer drug delivery systems. <b>2020</b> , 118, e1774088		3

299	Influence of surface oxygen clusters upon molecular stacking of paclitaxel over graphene oxide sheets. <b>2020</b> , 116, 111232	10
298	2D Germanane Derivative as a Vector for Overcoming Doxorubicin Resistance in Cancer Cells. <b>2020</b> , 20, 100697	6
297	Graphene Oxide as an Effective Soil Water Retention Agent Can Confer Drought Stress Tolerance to without Toxicity. <b>2020</b> , 54, 8269-8279	13
296	An ultrasound-assisted pressure-regulated solid-phase microextraction setup for fast and sensitive analysis of volatile pollutants in contaminated soil. <b>2020</b> , 27, 36306-36315	2
295	DNA-Based pH-Responsive CoreShell Drug Nanocarrier for Tumor-Targeted Chemo-Photodynamic Therapy. <b>2020</b> , 7, 2000292	12
294	Radio- and nano-chemistry of aqueous Ga(iii) ions anchored onto graphene oxide-modified complexes. <b>2020</b> , 12, 6603-6608	5
293	Systems toxicology assessment revealed the impact of graphene-based materials on cell cycle regulators. <b>2020</b> , 108, 1520-1533	6
292	Immunoactive drug carriers in cancer therapy. <b>2020</b> , 53-94	1
291	Biomedical properties and applications. <b>2020</b> , 449-483	
290	An 808 nm Light-Sensitized Upconversion Nanoplatform for Multimodal Imaging and Efficient Cancer Therapy. <b>2020</b> , 59, 4909-4923	18
289	A Novel Synthesis of the Graphene Oxide-Silver (GO-Ag) Nanocomposite for Unique Physiochemical Applications. <b>2020</b> , 5, 5041-5047	34
288	Molecular dynamics simulations of loading and unloading of drug molecule bortezomib on graphene nanosheets.. <b>2020</b> , 10, 8744-8750	11
287	Graphene-based nanomaterials for healthcare applications. <b>2020</b> , 45-81	6
286	Chitosan, magnetite, silicon dioxide, and graphene oxide nanocomposites: Synthesis, characterization, efficiency as cisplatin drug delivery, and DFT calculations. <b>2020</b> , 154, 621-633	33
285	Integration of a porous coordination network and black phosphorus nanosheets for improved photodynamic therapy of tumor. <b>2020</b> , 12, 8890-8897	5
284	Targeting drug delivery system for platinum(IV)-Based antitumor complexes. <b>2020</b> , 194, 112229	14
283	Preparation and anti-cancer activity of transferrin/folic acid double-targeted graphene oxide drug delivery system. <b>2020</b> , 35, 15-27	16
282	Theoretical Studies of MoS <sub>2</sub> and Phosphorene Drug Delivery for Antituberculosis Drugs. <b>2020</b> , 124, 8279-8287	7

281	Size-Dependent Effects of Suspended Graphene Oxide Nanoparticles on the Cellular Fate of Mouse Neural Stem Cells. <b>2020</b> , 15, 1421-1435		11
280	Effects of Graphene on <i>Larix olgensis</i> Seedlings and Soil Properties of Haplic Cambisols in Northeast China. <b>2020</b> , 11, 258		8
279	Carbon family nanomaterials for drug delivery applications. <b>2020</b> , 421-445		7
278	Enhanced-fluorescent imaging and targeted therapy of liver cancer using highly luminescent carbon dots-conjugated foliate. <b>2020</b> , 116, 111233		18
277	Chaotic dynamics of graphene and graphene nanoribbons. <b>2020</b> , 30, 063150		2
276	Wet Chemical Synthesis of CuO-PVA Hybrid Nanofluid Stabilized by Steric Repulsion. <b>2020</b> , 32, 570-574		1
275	Interaction and Reactivity of Cisplatin Physisorbed on Graphene Oxide Nano-Prototypes. <b>2020</b> , 10,		3
274	Central nervous system responses to biomaterials. <b>2020</b> , 507-554		0
273	One-pot aqueous method for facile synthesis of platinum-copper bimetallic catalyst based on graphene oxide and its highly enhanced sensing of nitrite. <b>2020</b> , 31, 13301-13309		4
272	Nano-porous anodic alumina: fundamentals and applications in tissue engineering. <b>2020</b> , 31, 60		12
271	Graphene-based nanocomposites and their fabrication, mechanical properties and applications. <b>2020</b> , 12, 100815		27
270	Mechanism of loading and release in nanocontainers. <b>2020</b> , 67-87		1
269	Nanoparticle-Mediated Drug Delivery for Treatment of Ischemic Heart Disease. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2020</b> , 8, 687	5.8	21
268	Graphene oxide based functionalized chitosan polyelectrolyte nanocomposite for targeted and pH responsive drug delivery. <b>2020</b> , 150, 468-479		36
267	Thermo-magneto-hydrodynamic effects on Cu + engine oil/water nanofluid flow in a porous media-filled annular region bounded by two rotating cylinders. <b>2020</b> , 234, 2360-2375		1
266	Anisotropic protein diffusion on nanosurface. <b>2020</b> , 12, 5209-5216		10
265	PEGylated nano-graphene oxide as a nanocarrier for delivering mixed anticancer drugs to improve anticancer activity. <i>Scientific Reports</i> , <b>2020</b> , 10, 2717	4.9	79
264	Cytotoxicity of Formulated Graphene and Its Natural Rubber Nanocomposite Thin Film in Human Vaginal Epithelial Cells: An Influence of Noncovalent Interaction. <b>2020</b> , 6, 2007-2019		10

263	Functionalization of structurally diverse glycopolymers on graphene oxide surfaces and their quantification through fluorescence resonance energy transfer with fluorescein isothiocyanate. <b>2020</b> , 298, 365-375		6
262	Molecular Insights into the Loading and Dynamics of Doxorubicin on PEGylated Graphene Oxide Nanocarriers. <b>2020</b> , 3, 1354-1363		26
261	Silica-Coated Magnetic Iron Oxide Nanoparticles Grafted onto Graphene Oxide for Protein Isolation. <b>2020</b> , 10,		29
260	Three dimensional mesoporous carbon nanospheres as carriers for chemo-photothermal therapy compared with two dimensional graphene oxide nanosheets. <b>2020</b> , 590, 124498		6
259	Cell deformation and acquired drug resistance: elucidating the major influence of drug-nanocarrier delivery systems. <b>2020</b> , 8, 1852-1862		5
258	Liquid marble particle wetting separation. <b>2020</b> , 35, 100237		2
257	Effect of Protein Corona on The Transfection Efficiency of Lipid-Coated Graphene Oxide-Based Cell Transfection Reagents. <b>2020</b> , 12,		14
256	Edaravone Ameliorates Renal Warm Ischemia-Reperfusion Injury by Downregulating Endoplasmic Reticulum Stress in a Rat Resuscitation Model. <b>2020</b> , 14, 175-183		6
255	Intracellular Labeling with Extrinsic Probes: Delivery Strategies and Applications. <i>Small</i> , <b>2020</b> , 16, e2000146	11	11
254	Delivery of MutT homolog 1 inhibitor by functionalized graphene oxide nanoparticles for enhanced chemo-photodynamic therapy triggers cell death in osteosarcoma. <b>2020</b> , 109, 229-243		30
253	Expression of key apoptotic genes in hepatocellular carcinoma cell line treated with etoposide-loaded graphene oxide. <b>2020</b> , 57, 101725		14
252	Graphene-Induced Transdifferentiation of Cancer Stem Cells as a Therapeutic Strategy against Glioblastoma. <b>2020</b> , 6, 3258-3269		4
251	15 Years of Small: Research Trends in Nanosafety. <i>Small</i> , <b>2020</b> , 16, e2000980	11	20
250	Polydopamine-doped virus-like mesoporous silica coated reduced graphene oxide nanosheets for chemo-photothermal synergetic therapy. <b>2020</b> , 35, 28-38		8
249	Targeted delivery through carbon nanomaterials: applications in bioactive delivery systems. <b>2020</b> , 509-524		1
248	Probing the effect of polyethylene glycol on the adsorption mechanisms of Gem on the hexagonal boron nitride as a highly efficient polymer-based drug delivery system: DFT, classical MD and Well-tempered Metadynamics simulations. <b>2020</b> , 98, 107613		10
247	Optically controlled hybrid metamaterial of plasmonic spiky gold inbuilt graphene sheets for bimodal imaging guided multimodal therapy. <i>Biomaterials Science</i> , <b>2020</b> , 8, 3381-3391	7-4	9
246	Understanding the sheet size-antibacterial activity relationship of graphene oxide and the nano-bio interaction-based physical mechanisms. <b>2020</b> , 191, 111009		36

245	Photothermal bactericidal surfaces: killing bacteria using light instead of biocides. <i>Biomaterials Science</i> , <b>2021</b> , 9, 10-22	7.4	42
244	Potential of graphene oxide as a drug delivery system for Sumatriptan: a detailed density functional theory study. <b>2021</b> , 39, 1611-1620		18
243	Advanced functionalized nanographene oxide as a biomedical agent for drug delivery and anti-cancerous therapy: A review. <b>2021</b> , 142, 110124		7
242	Laser-assisted nucleic acid delivery: A systematic review. <b>2021</b> , 14, e202000295		3
241	C4B32 nanocluster as a drug delivery system for nitrosourea anticancer drug: a first-principles perception. <b>2021</b> , 119, e1808906		2
240	Biomedical and Pharmacological Uses of Fluorescein Isothiocyanate Chitosan-Based Nanocarriers. <b>2021</b> , 21, e2000312		9
239	Interaction of a hydrophilic molecule with bovine serum albumin: A combined multi-spectroscopic, microscopic and isothermal calorimetric study in the presence of graphene oxide. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 323, 114618	6	2
238	Comparative proteomic analysis reveals cytotoxicity induced by graphene oxide exposure in A549 cells. <b>2021</b> , 41, 1103-1114		4
237	Astrocyte responses to nanomaterials: Functional changes, pathological changes and potential applications. <b>2021</b> , 122, 66-81		0
236	Synthesis of PEGylated nanographene oxide as a nanocarrier for docetaxel drugs and anticancer activity on prostate cancer cell lines. <b>2021</b> , 40, 172-182		6
235	Integrating gold nanoclusters, folic acid and reduced graphene oxide for nanosensing of glutathione based on "turn-off" fluorescence. <i>Scientific Reports</i> , <b>2021</b> , 11, 2375	4.9	11
234	Graphene oxide as a promising material in dentistry and tissue regeneration: A review. <b>2021</b> , 2, 280-291		4
233	Green synthesis of carbon nanoparticles: characterization and their biocidal properties. <b>2021</b> , 277-306		0
232	Graphene oxide/acaricide nanocomposites advance acaricidal activity of acaricides against <i>Tetranychus cinnabarinus</i> by directly inhibiting the transcription of a cuticle protein gene.		5
231	The ZnFe <sub>2</sub> O <sub>4</sub> @mZnO/RGO nano-composite as a carrier and an intelligent releaser drug with dual pH- and ultrasound-triggered control. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 4280-4291	3.6	10
230	Photothermal effect and cytotoxicity of CuS nanoflowers deposited over folic acid conjugated nanographene oxide. <b>2021</b> , 9, 1792-1803		9
229	Graphene-based nanomaterials for cancer therapy. <b>2021</b> , 43, 2954-2957		1
228	Amphiphilic Janus nanoparticles for imaging-guided synergistic chemo-photothermal hepatocellular carcinoma therapy in the second near-infrared window. <b>2021</b> , 13, 3974-3982		6

227	Functionalized graphene oxide as a nanocarrier for multiple suppressive miRNAs to inhibit human intrahepatic cholangiocarcinoma. <b>2021</b> , 2, 1372-1384			1
226	Recent advancements in organic synthesis catalyzed by graphene oxide metal composites as heterogeneous nanocatalysts. <b>2021</b> , 35, e6162			2
225	Engineered nanomaterials and pharmacokinetics. <b>2021</b> , 71-92			
224	CHAPTER 12:Polymer Functionalized Graphene in Biomedical and Bio-technological Applications. <b>2021</b> , 357-425			
223	Biomaterials and Its Advances for Delivering Anticancer Drugs. <b>2021</b> , 21-56			
222	Physicochemical Properties and Toxicity Analysis. <b>2021</b> , 49-67			
221	Graphene-based nanocomposites for biomedical engineering application. <b>2021</b> , 197-224			
220	Biocompatibility and biomedical applications of various carbon-based materials. <b>2021</b> , 829-875			1
219	Graphene oxide loaded with tumor-targeted peptide and anti-cancer drugs for cancer target therapy. <i>Scientific Reports</i> , <b>2021</b> , 11, 1725	4-9		15
218	Protein interactions with chemical vapor deposited graphene modified by substrate. <b>2021</b> , 8, 025015			1
217	Conjugation of a smart polymer to doxorubicin through a pH-responsive bond for targeted drug delivery and improving drug loading on graphene oxide.. <b>2021</b> , 11, 18809-18817			3
216	Graphene-based nanomaterial system: a boon in the era of smart nanocarriers. <b>2021</b> , 51, 245-280			2
215	PEGylated Nanographene Oxide in Combination with Near-Infrared Laser Irradiation as a Smart Nanocarrier in Colon Cancer Targeted Therapy. <b>2021</b> , 13,			4
214	Loading harmine on nanographene changes the inhibitory effects of free harmine against MCF-7 and fibroblast cells. <b>2021</b> , 30, 1108-1116			2
213	Elucidating the adsorption and detection of amphetamine drug by pure and doped Al <sub>12</sub> N <sub>12</sub> , and Al <sub>12</sub> P <sub>12</sub> nano-cages, a DFT study. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 326, 115297	6		4
212	Oxidation degree or sheet size: What really matters for the photothermal effect and ecotoxicity of graphene oxide?. <b>2021</b> , 26, 100231			0
211	One-step preparation of gold nanoparticles - exfoliated graphene composite by gamma irradiation at low doses for photothermal therapy applications. <b>2021</b> , 173, 110944			0
210	Surface Modification of Graphene and its Derivatives for Drug Delivery Systems. <b>2021</b> , 18, 78-92			4

209	Bio-multifunctional noncovalent porphyrin functionalized carbon-based nanocomposite. <i>Scientific Reports</i> , <b>2021</b> , 11, 6604	4.9	17
208	Synthesis of Wafer-Scale Graphene with Chemical Vapor Deposition for Electronic Device Applications. <b>2021</b> , 6, 2000744		16
207	Doxorubicin delivery to breast cancer cells with transferrin-targeted carbon quantum dots: An in vitro and in silico study. <b>2021</b> , 62, 102342		8
206	Modulation of the Protein-Ligand Interaction in the Presence of Graphene Oxide: a Detailed Spectroscopic Study. <b>2021</b> , 37, 5034-5048		3
205	Biologically prepared copper-graphene nanohybrid as the interface of microchips for sensitive detection of crop viruses. <b>2021</b> , 12, 727-738		0
204	The Emergence and Evolution of Borophene. <b>2021</b> , 8, 2001801		19
203	Preparation and Performance of Chemotherapy Drug-Loaded Graphene Oxide-Based Nanosheets That Target Ovarian Cancer Cells via Folate Receptor Mediation. <b>2021</b> , 17, 960-970		3
202	Graphene Oxide Loaded with Protocatechuic Acid and Chlorogenic Acid Dual Drug Nanodelivery System for Human Hepatocellular Carcinoma Therapeutic Application. <b>2021</b> , 22,		7
201	Biocompatibility and Angiogenic Effect of Chitosan/Graphene Oxide Hydrogel Scaffolds on EPCs. <b>2021</b> , 2021, 5594370		5
200	New Insights into the Microstructural Analysis of Graphene Oxide. <b>2021</b> , 18, 388-398		1
199	Photoluminescent surface-functionalized graphene quantum dots for spontaneous interfacial homeotropic orientation of liquid crystals. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 332, 115901	6	6
198	A review on supramolecules/nanocomposites based on carbonic precursors and dielectric/conductive polymers and their applications. <b>2021</b> , 269, 115181		2
197	Effect of Protein Corona on the Drug Delivery of Carbogenic Nanodots and Their Mapping by Fluorescence Lifetime Imaging Microscopy.. <b>2021</b> , 4, 5776-5785		0
196	Bidirectional differentiation of BMSCs induced by a biomimetic procallus based on a gelatin-reduced graphene oxide reinforced hydrogel for rapid bone regeneration. <b>2021</b> , 6, 2011-2028		19
195	Near-infrared laser 808-nm excitable palladium nano-dots loaded on graphene oxide hybrid for the antibacterial activity. <b>2021</b> , 35, e6380		1
194	Effect of characterization probes on the properties of graphene oxide and reduced graphene oxide. <b>2021</b> , 127, 1		1
193	Intra-articular Injection of Kartogenin-Enhanced Bone Marrow-Derived Mesenchymal Stem Cells in the Treatment of Knee Osteoarthritis in a Rat Model. <b>2021</b> , 49, 2795-2809		7
192	Graphene-based nanomaterials for breast cancer treatment: promising therapeutic strategies. <b>2021</b> , 19, 211		6



191	PEGylated Graphene Oxide Carried OH-CATH30 to Accelerate the Healing of Infected Skin Wounds. <b>2021</b> , 16, 4769-4780		3
190	Functionalized Graphene Platforms for Anticancer Drug Delivery. <b>2021</b> , 16, 5955-5980		9
189	Development of Graphene Oxide Nanosheets as Potential Biomaterials in Cancer Therapeutics: An In-Vitro Study Against Breast Cancer Cell Line. <b>2021</b> , 31, 4236		4
188	Aquaporin-Incorporated Graphene-Oxide Membrane for Pressurized Desalination with Superior Integrity Enabled by Molecular Recognition. <b>2021</b> , 8, e2101882		1
187	A review of multi-functional ceramic nanoparticles in 3D printed bone tissue engineering. <b>2021</b> , 23, e00146		15
186	Frequency-responsive cooperativity of graphene oxide complexes under a low AC bulk electric field. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 335, 116151	6	3
185	A ultrasensitive SERS-active tags for GSH-triggered released based on surface-enhanced Raman scattering. <b>2021</b> , 167, 106035		1
184	Fluorescence "turn-off/turn-on" biosensing of metal ions by gold nanoclusters, folic acid and reduced graphene oxide. <b>2021</b> , 1175, 338745		2
183	Adsorption performance of boron nitride nanomaterials as effective drug delivery carriers for anticancer drugs based on density functional theory. <b>2021</b> , 1203, 113360		2
182	Graphene Oxide and Graphene Quantum Dots as Delivery Systems of Cationic Porphyrins: Photo-Antiproliferative Activity Evaluation towards T24 Human Bladder Cancer Cells. <b>2021</b> , 13,		2
181	Preparation and recycled simultaneous adsorption of methylene blue and Cu <sup>2+</sup> co-pollutants over carbon layer encapsulated Fe <sub>3</sub> O <sub>4</sub> /graphene oxide nanocomposites rich in amino and thiol groups. <b>2021</b> , 625, 126913		1
180	MicroRNA Delivery by Graphene-Based Complexes into Glioblastoma Cells. <b>2021</b> , 26,		1
179	Photothermal effect of graphene/polymer smart nanocomposites under NIR stimuli. <b>2021</b> , 127, 1		1
178	Recent advances in the development of nanomedicines for the treatment of ischemic stroke. <b>2021</b> , 6, 2854-2869		13
177	Nano therapeutic approaches to combat progression of metastatic prostate cancer. <b>2021</b> , 2, 100009		3
176	Selective prototropism of lumichrome in the liposome/graphene oxide interface: A detailed spectroscopic study. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 339, 116738	6	
175	Folic acid functionalized boron nitride oxide as targeted drug delivery system for fludarabine and cytarabine anticancer drugs: A DFT study. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 339, 116753	6	1
174	Folic acid and CuS conjugated graphene oxide: An efficient photocatalyst for explicit degradation of toxic dyes. <b>2021</b> , 566, 150648		6

173	S, P-codoped rGO-phytic acid-polythiophene core-shell; synthesis, modeling, and dual active/passive anti-corrosion performance of epoxy nanocomposite. <b>2021</b> , 103, 102-117		3
172	Comparison of loading and unloading of different small drugs on graphene and its oxide. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 341, 117454	6	2
171	Response of constructed wetland for wastewater treatment to graphene oxide: Perspectives on plant and microbe. <b>2022</b> , 422, 126911		5
170	pH-Responsive DNA nanoassembly for detection and combined therapy of tumor. <b>2022</b> , 195, 113654		1
169	Nanocomposites for Cancer Targeted Drug Delivery Therapeutics. <b>2021</b> , 201-222		
168	Utilization of carbon allotropes with special reference to carbon nanotubes and graphene for the high performance of natural rubber. <b>2021</b> , 203-246		1
167	Nanotoxicity of nanoparticles. <b>2021</b> , 125-147		1
166	DNA structures embedded with functionalized nanomaterials for biophysical applications. <b>2021</b> , 78, 449-460		1
165	Graphene: Synthesis, Properties and Application. 139-193		1
164	Impact of the protein corona on nanomaterial immune response and targeting ability. <b>2020</b> , 12, e1615		15
163	Chitosan-Based Nanoformulation as Carriers of Small Molecules for Tissue Regeneration. <b>2019</b> , 321-342		1
162	Green Synthesis of Reduced Graphene oxide Nanosheets Using Leaf Extract of <i>Lantana camara</i> and Its In-Vitro Biological Activities. <b>2021</b> , 32, 559-568		6
161	Nanocomposite hydrogels for tissue engineering applications. <b>2020</b> , 499-528		3
160	Mechanical properties of graphene oxide: The impact of functional groups. <b>2020</b> , 525, 146554		9
159	Amino acid-functionalized borospherenes as drug delivery systems. <b>2020</b> , 263, 106407		5
158	pH-Controlled drug delivery with hybrid aerogel of chitosan, carboxymethyl cellulose and graphene oxide as the carrier. <b>2017</b> , 103, 248-253		100
157	Design and evaluation of temperature-responsive chitosan/hydroxypropyl cellulose blend nanospheres for sustainable flurbiprofen release. <b>2020</b> , 159, 751-762		11
156	Synthesis and application of chitosan/tripolyphosphate/graphene oxide hydrogel as a new drug delivery system for Sumatriptan Succinate. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 315, 113835	6	32

155	Atomistic Perspective on Biomolecular Adsorption on Functionalized Carbon Nanomaterials under Ambient Conditions. <b>2021</b> , 125, 416-430		4
154	Chapter 4:Carbon Nanomaterials in Optical Detection. <b>2018</b> , 105-149		1
153	A label-free electrochemical aptasensor for sensitive edifenphos detection in rice. <b>2020</b> , 12, 1237-1243		5
152	Synergistic performance of triggered drug release and photothermal therapy of MCF7 cells based on laser activated PEGylated GO + DOX. <b>2020</b> , 11, 3783-3794		9
151	Functionalized graphene oxide mediated adriamycin delivery and miR-21 gene silencing to overcome tumor multidrug resistance in vitro. <b>2013</b> , 8, e60034		116
150	Evaluation of the toxic potential of graphene copper nanocomposite (GCNC) in the third instar larvae of transgenic <i>Drosophila melanogaster</i> (hsp70-lacZ)Bg(9.). <b>2013</b> , 8, e80944		37
149	Conjugates of Curcumin with Graphene and Carbon Nanotubes: A Review on Biomedical Applications. <b>2020</b> , 27, 6849-6863		8
148	Comprehensive Review on Graphene Oxide for Use in Drug Delivery System. <b>2020</b> , 27, 3665-3685		34
147	A Review of Theranostics Applications and Toxicities of Carbon Nanomaterials. <b>2019</b> , 20, 506-532		19
146	A Comprehensive Insight Towards Pharmaceutical Aspects of Graphene Nanosheets. <b>2020</b> , 21, 1016-1027		14
145	Quercetin Loaded Nanoparticles in Targeting Cancer: Recent Development. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , <b>2019</b> , 19, 1560-1576	2.2	20
144	Polymer-Graphene Nanoassemblies and their Applications in Cancer Theranostics. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , <b>2020</b> , 20, 1340-1351	2.2	2
143	Synthesis, Characterization and Cytotoxic Evaluation of Graphene Oxide Nanosheets: In Vitro Liver Cancer Model. <b>2017</b> , 18, 955-961		15
142	Assessment of the Blood Parameters, Cardiac and Liver Enzymes in Oral Squamous Cell Carcinoma Following Treated with Injectable Doxorubicin-Loaded Nano-Particles. <b>2019</b> , 20, 1973-1977		6
141	Synthesis and stability analysis of folic acid-graphene oxide nanoparticles for drug delivery and targeted cancer therapies. 81-85		3
140	Multifunctional Nanomaterials for Multifaceted Applications in Biomedical Arena. <b>2017</b> , 13, 890-906		11
139	Nanocarriers Used Most in Drug Delivery and Drug Release: Nanohydrogel, Chitosan, Graphene, and Solid Lipid. <b>2019</b> , 16, 481-492		6
138	Genotoxicity and Cytotoxicity Assessment of Graphene Oxide Nanosheets on HT29 Cells. <b>2018</b> , 22,		4

- 137 Folic Acid-conjugated Graphene Oxide loaded with Photosensitizers for Targeting Photodynamic Therapy. **2011**, 1, 240-50 438
- 136 A Smart Drug Delivery System Based on Thermo-Responsive Polymer Gated Au NRs@SiO<sub>2</sub> Nano-Platform. **2021**, 16, 1029-1036
- 135 Biological Characterization of Polymeric Matrix and Graphene Oxide Biocomposites Filaments for Biomedical Implant Applications: A Preliminary Report. **2021**, 13, 0
- 134 Graphene Oxide of Extra High Oxidation: A Wafer for Loading Guest Molecules. **2021**, 12, 10015-10024 1
- 133 Ginsenosides emerging as both bifunctional drugs and nanocarriers for enhanced antitumor therapies. **2021**, 19, 322 8
- 132 Application of GO in Biotechnology. **2015**, 137-151
- 131 References. 257-276
- 130 Cytotoxicity, Drug Delivery, and Photothermal Therapy of Functionalized Carbon Nanomaterials. **2016**, 81-111
- 129 Graphene: Polymer-Assisted Water Soluble. 3665-3671
- 128 Zastosowania grafenu. **2016**,
- 127 PEI-Folic acid modified carbon nanodots for cancer cells targeted delivery and two-photon excitation imaging. **2016**,
- 126 Smart Biomaterials in Drug Delivery Applications. **2016**, 65-93
- 125 Distribution and Translocation of Nanomaterials. **2018**, 169-203
- 124 Graphene and Its Derivatives for Secondary Battery Application. **2019**, 53-80 2
- 123 Simulation Paths of Anticancer Drugs on a Graphene Oxide Surface. **2019**, 215-228
- 122 Graphene Quantum Dot Oxidation Governs Noncovalent Biopolymer Adsorption. 1
- 121 Nanoparticle-Mediated Chaetomium, Unique Multifunctional Bullets: What Do We Need for Real Applications in Agriculture?. **2020**, 267-300
- 120 Graphene Oxide/Glass Nanocomposite Obtained by Sintering and Melting. **2020**, 423-433

119	Integrating Nanotherapeutic Platforms to Image Guided Approaches for Management of Cancer.		
118	Graphene Based Biopolymer Nanocomposite Applications in Drug Delivery. <b>2021</b> , 287-309		
117	Exploring the potential of graphene oxide nanosheets for porous media decontamination from cationic dyes. <b>2022</b> , 424, 127468		2
116	Phytonanomedicines as Topical Alternatives for the Treatment of Skin Cancer. <b>2020</b> , 403-432		
115	Carbon Nanotubes: Current Perspectives on Diverse Applications in Targeted Drug Delivery and Therapies. <i>Materials</i> , <b>2021</b> , 14,	3.5	6
114	Theoretical Study on Graphene Oxide as a Cancer Drug Carrier. <b>2020</b> , 73-86		
113	Time-dependent study of graphene oxide-trypsin adsorption interface and visualization of nano-protein corona. <b>2020</b> , 163, 2259-2269		4
112	Effect of a new drug releasing system on microencapsulated islet transplantation. <b>2015</b> , 8, 12390-9		4
111	Multifunctionalization of graphene and graphene oxide for controlled release and targeted delivery of anticancer drugs. <b>2017</b> , 9, 5197-5219		16
110	Biochemical and Histopathological Evaluation of Graphene Oxide in Sprague-Dawley Rats. <b>2017</b> , 3,		6
109	The application of graphene-based biomaterials in biomedicine. <b>2019</b> , 11, 3246-3260		14
108	Toxicity of Graphene: An Update. <b>2021</b> , 259, 51-76		2
107	A signal processor made from DNA assembly and upconversion nanoparticle for pharmacokinetic study. <b>2022</b> , 42, 101352		2
106	Quantitative Super-Resolution Microscopy to Assess Adhesion of Neuronal Cells on Single-Layer Graphene Substrates. <b>2021</b> , 11,		0
105	Self-assembled Janus graphene nanostructures with high camptothecin loading for increased cytotoxicity to cancer cells. <b>2021</b> , 102971		0
104	Applications of Pristine and Functionalized Carbon Nanotubes, Graphene, and Graphene Nanoribbons in Biomedicine. <b>2021</b> , 11,		10
103	Drug Release Kinetics of DOX-Loaded Graphene-Based Nanocarriers for Ovarian and Breast Cancer Therapeutics. <b>2021</b> , 11, 11151		2
102	Nanomaterial Functionalization Modulates Hard Protein Corona Formation: Atomistic Simulations Applied to Graphitic Materials. 2101236		0

101	Molecular dynamics study on the covalent organic framework as highly-efficient and biocompatible carriers for doxorubicin delivery: the role of nanopores.		
100	Improved antibacterial activity of sulfasalazine loaded fullerene derivative: computational and experimental studies. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 118083	6	0
99	Applications of bone regeneration hydrogels in the treatment of bone defects: a review. <b>2022</b> , 57, 887		1
98	Functionalisation of graphene as a tool for developing nanomaterials with predefined properties. <i>Journal of Molecular Liquids</i> , <b>2022</b> , 348, 118368	6	3
97	Synthesis and Applications of Graphene Oxide.. <i>Materials</i> , <b>2022</b> , 15,	3.5	10
96	Metal oxide/graphene nanocomposites and their biomedical applications. <b>2022</b> , 569-584		
95	Cancer therapy, immunotherapy, photothermal therapy. <b>2022</b> , 85-117		
94	Synergistic effect of avidin/biotin system with biofunctionalized graphene oxide based nanocarrier in targeted co-delivery of hydrophobic anticancer drug SN -38.		1
93	A novel therapeutic vaccine based on graphene oxide nanocomposite for tumor immunotherapy. <b>2022</b> ,		9
92	Poly (vinyl alcohol)/chitosan/polyethylene glycol-assembled graphene oxide bio-nanocomposites as a prosperous candidate for biomedical applications and drug/food packaging industry.. <b>2022</b> ,		4
91	Effects of graphene oxide nanosheets in the polychaete <i>Hediste diversicolor</i> : Behavioural, physiological and biochemical responses.. <b>2022</b> , 118869		0
90	Application of aluminum nitride nanotubes as a promising nanocarriers for anticancer drug 5-aminosalicylic acid in drug delivery system. <i>Journal of Molecular Liquids</i> , <b>2022</b> , 118676	6	3
89	Graphene-Based Nanomaterials as Drug Delivery Carriers.. <b>2022</b> , 1351, 109-124		1
88	Graphene and graphene-based materials in axonal repair of spinal cord injury.. <b>2022</b> , 17, 2117-2125		0
87	Nanostructured Carbons: towards Soft-Bioelectronics, Biosensing and Therapeutic Applications.. <b>2022</b> , e202100319		1
86	Rational design of nanocarriers for mitochondria-targeted drug delivery. <b>2022</b> ,		4
85	Antibiotic Combination Therapy: A Strategy to Overcome Bacterial Resistance to Aminoglycoside Antibiotics.. <b>2022</b> , 13, 839808		5
84	Adsorption of graphene oxide with cellulose acetate: insights from DFT.		0

83	Delivery of Targeted Co(III)-DNA Inhibitors of Gli Proteins to Disrupt Hedgehog Signaling.. <b>2022,</b>		0
82	Synthesis of Ag@GQD and their application in photoacoustic imaging and chemical/photothermal combination therapy and bacteriostasis. <b>2022, 57, 7056-7067</b>		0
81	Mass Spectrometry and Cryogenic Electron Microscopy Illuminate Molecular-Level Mechanisms of the Oxidative and Structural Damage to Lipid Membranes by Radical-Bearing Graphene Oxide.. <b>2022, 13, 2638-2643</b>		
80	Potential Directions in the Use of Graphene Nanomaterials in Pharmacology and Biomedicine (Review). 1		0
79	Recent Applications and Synthesis Techniques of Graphene. <b>2022, 14,</b>		1
78	Graphene Oxide and Biomolecules for the Production of Functional 3D Graphene-Based Materials.. <b>2022, 9, 774097</b>		1
77	Microencapsulated Multifunctionalized Graphene Oxide Equipped with Chloroquine for Efficient and Sustained siRNA Delivery.. <b>2022, 2022, 5866361</b>		1
76	Doxorubicin-loaded graphene oxide nanocomposites in cancer medicine: Stimuli-responsive carriers, co-delivery and suppressing resistance.. <b>2022,</b>		5
75	Fabrication strategies and biomedical applications of three-dimensional bacterial cellulose-based scaffolds: A review.. <b>2022, 209, 9-30</b>		6
74	Experimental and theoretical investigation on the adsorption properties of benzene on graphene surface: Influence of pH and edge effects. <b>2022, 440, 135794</b>		1
73	Carbon Nanomaterials for Theranostic Use. <b>2022, 8, 3</b>		3
72	Hyaluronic Acid-Conjugated Carbon Nanomaterials for Enhanced Tumour Targeting Ability.. <b>2021, 27,</b>		4
71	Binding Peptide-Promoted Biofunctionalization of Graphene Paper with Hydroxyapatite for Stimulating Osteogenic Differentiation of Mesenchymal Stem Cells.. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021,</b>	9.5	1
70	Graphene Oxide-Based Nanocomposite and Their Biomedical Applications. <b>2022, 427-456</b>		0
69	Polypeptoid-Assisted Formation of Supramolecular Architectures from Folic Acid for Targeted Cancer Therapy with Enhanced Efficacy.. <i>Biomacromolecules</i> , <b>2022,</b>	6.9	
68	Image_1.JPEG. <b>2019,</b>		
67	Structure and Mechanisms of Trichostatin A Drug Adsorption on Graphene Oxide: Density Functional Theory Approach. <i>Russian Journal of Physical Chemistry A</i> , <b>2022, 96, 860-867</b>	0.7	
66	Template-Free Synthesis of Porous Fluorescent Carbon Nanomaterials with Gluten for Intracellular Imaging and Drug Delivery.. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2022,</b>	9.5	0

65	Controlled synthesis of graphene oxide/silica hybrid nanocomposites for removal of aromatic pollutants in water.. <i>Scientific Reports</i> , <b>2022</b> , 12, 7060	4.9	0
64	An all-in-one photocatalyst: photocatalytic reduction of Cr(VI) and anchored adsorption of Cr(III) over mesoporous titanium@sulfonated carbon hollow hemispheres. <i>Journal of Environmental Chemical Engineering</i> , <b>2022</b> , 107864	6.8	1
63	Two-Dimensional Ultra-Thin Nanosheets with Extraordinarily High Drug Loading and Long Blood Circulation for Cancer Therapy.. <i>Small</i> , <b>2022</b> , e2200299	11	4
62	A Facile Fabrication of CdSe/ZnS QDs-Block Copolymer Brushes-Modified Graphene Oxide Nanohybrid with Temperature-Responsive Behavior.. <i>Materials</i> , <b>2022</b> , 15,	3.5	
61	Regulating Acidosis and Relieving Hypoxia by Platelet Membrane-Coated Nanoparticle for Enhancing Tumor Chemotherapy. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2022</b> , 10,	5.8	1
60	The Construction of a Self-assembled Coating with Chitosan-Grafted Reduced Graphene Oxide on Porous Calcium Polyphosphate Scaffolds for Bone Tissue Engineering.. <i>Biomedical Materials (Bristol)</i> , <b>2022</b> ,	3.5	0
59	S, N-doped carbon dots-based cisplatin delivery system in adenocarcinoma cells: Spectroscopical and computational approach.. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 623, 226-237	9.3	0
58	A DFT study on the adsorption behavior of antiviral Favipiravir drug on B N (n = 12, 16, 20, and 24) nanocages: the size effect. <i>Journal of Molecular Liquids</i> , <b>2022</b> , 119388	6	1
57	Host-guest sensing towards sodium cyclamate based on cationic pillar[6]arene reduced graphene nano-composite. <i>New Journal of Chemistry</i> ,	3.6	
56	Rheological Properties of Different Graphene Nanomaterials in Biological Media. <i>Materials</i> , <b>2022</b> , 15, 3593	3.5	1
55	Understanding interactions between biomolecules and two-dimensional nanomaterials using in silico microscopes. <i>Advanced Drug Delivery Reviews</i> , <b>2022</b> , 186, 114336	18.5	1
54	Recent development of multifunctional responsive gas-releasing nanoplatfoms for tumor therapeutic application. <i>Nano Research</i> ,	10	0
53	Celastrol Loaded PEGylated Nanographene Oxide for Highly Efficient Synergistic Chemo/Photothermal Therapy. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , <b>2022</b> , 22,	2.2	
52	Study to molecular insight into the role of Aluminum nitride nanotubes on to deliver of 5-Fluorouracil (5FU) drug in smart drug delivery. <i>Inorganic Chemistry Communication</i> , <b>2022</b> , 109617	3.1	1
51	Mapping the Time Dependent DNA Fragmentation caused by doxorubicin Loaded on PEGylated Carbogenic Nanodots using Fluorescence Lifetime Imaging and Super-resolution microscopy. <i>Biomaterials Science</i> ,	7.4	
50	Computational analysis of nanofluids-based drug delivery system: Preparation, current development and applications of nanofluids. <b>2022</b> , 335-364		0
49	Biofunctionalized graphene oxide nanosheet for amplifying antitumor therapy: Multimodal high drug encapsulation, prolonged hyperthermal window, and deep-site burst drug release. <i>Biomaterials</i> , <b>2022</b> , 287, 121629	15.6	0
48	Fluorescent Biosensors for the Detection of Viruses Using Graphene and Two-Dimensional Carbon Nanomaterials. <i>Biosensors</i> , <b>2022</b> , 12, 460	5.9	0



47	Recent Developments in Chemical Doping of Graphene using Experimental Approaches and Its Applications. <i>Advanced Engineering Materials</i> , 2200259	3.5	0
46	Structural and Dynamic Insights into SARS-CoV-2 Spike-Protein/Montmorillonite Interactions. <b>2022</b> , 38, 9186-9194		
45	Multifunctional graphene oxide nanoparticles for drug delivery in cancer. <b>2022</b> , 350, 26-59		4
44	Multi-layer interface lubrication of in-situ synthesized titanium dioxide/reduced graphene oxide nanocomposites. <b>2022</b> , 604, 154571		0
43	Targeted chitosan nanoparticles embedded into graphene oxide functionalized with caffeic acid as a potential drug delivery system: New insight into cancer therapy. <b>2022</b> , 222, 295-304		1
42	Carbon nanomaterials in controlled and targeted drug delivery. <b>2022</b> , 53-78		0
41	Microbial strategies to address environmental nanopollutants. <b>2022</b> , 151-179		0
40	Recent advancement of bioinspired nanomaterials and their applications: A review. 10,		0
39	Antiproliferative and Apoptotic Effects of Graphene Oxide @AlFu MOF Based Saponin Natural Product on OSCC Line. <b>2022</b> , 15, 1137		1
38	Carbon nanomaterials for drug delivery and tissue engineering. 10,		1
37	Polyethylene Glycol-decorated GO Nanosheets as a Well-Organized Nanohybrid to Enhance the Performance of Chitosan Biopolymer.		1
36	Carbon-Based Nanomaterials for Targeted Drug and Gene Delivery Systems. <b>2022</b> , 455-488		0
35	Effects of Graphene Oxide on Plant Growth: A Review. <b>2022</b> , 11, 2826		0
34	In vitro biocompatibility evaluations of pH-sensitive Bi <sub>2</sub> MoO <sub>6</sub> /NH <sub>2</sub> -GO conjugated polyethylene glycol for release of daunorubicin in cancer therapy. <b>2023</b> , 221, 113006		0
33	Graphene-based composites for biomedical applications. <b>2022</b> , 15, 724-748		1
32	Graphene Incorporated Electrospun Nanofiber for Electrochemical Sensing and Biomedical Applications: A Critical Review. <b>2022</b> , 22, 8661		4
31	Application of Hydrogels as Sustained-Release Drug Carriers in Bone Defect Repair. <b>2022</b> , 14, 4906		1
30	Bacteria-Adhesive Nitric Oxide-Releasing Graphene Oxide Nanoparticles for MRPA-Infected Wound Healing Therapy. <b>2022</b> , 14, 50507-50519		1

29	2D Hetero-Nanoconstructs of Black Phosphorus for Breast Cancer Theragnosis: Technological Advancements. <b>2022</b> , 12, 1009	1
28	In-vitro Investigation of the Anticancer Efficacy of Carboplatin-Loaded Chitosan Nanocomposites Against Breast and Liver Cancer Cell Lines.	0
27	Modulated Ultrasmall Fe <sub>2</sub> O <sub>3</sub> Nanocrystal Assemblies for Switchable Magnetic Resonance Imaging and Photothermal-Ferroptotic-Chemical Synergistic Cancer Therapy. 2211251	0
26	Sub-acute toxicity of graphene oxide (GO) nanoparticles in male mice after intraperitoneal injection: Behavioral study and histopathological evaluation. <b>2023</b> , 171, 113553	1
25	Carbonaceous Nanocomposites for Biomedical Applications as High-Drug Loading Nanocarriers for Sustained Delivery: A Review. <b>2022</b> , 6, 379	0
24	Bio-inspired conductive adhesive based on calcium-free alginate hydrogels for bioelectronic interfaces. <b>2023</b> , 18, 015020	0
23	Load and release of gambogic acid via dual-target ellipsoidal-Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> @mSiO <sub>2</sub> -C <sub>18</sub> @dopamine hydrochloride -graphene quantum dots-folic acid and its inhibition to VX2 tumor cells. <b>2023</b> , 34, 105101	0
22	Sugar Moiety Driven Adsorption of Nucleic Acid on Graphene Quantum Dots: Photophysical, Thermodynamic and Theoretical Evidence. <b>2022</b> , 121148	0
21	Dietary Transfer of Zinc Oxide Nanoparticles Induces Locomotive Defects Associated with GABAergic Motor Neuron Damage in Caenorhabditis elegans. <b>2023</b> , 13, 289	1
20	Novel non-covalent conjugate based on graphene oxide and alkylating agent from 1,3,5-triazine class. <b>2023</b> , 372, 121203	0
19	Inorganic/organic combination: Inorganic particles/polymer composites for tissue engineering applications. <b>2023</b> , 24, 535-550	0
18	Graphene oxides and derivatives for biomedical applications: drug delivery/gene delivery, bioimaging, and therapeutics. <b>2023</b> , 131-166	0
17	Graphene-Based Drug Delivery System. <b>2023</b> , 189-210	0
16	Emerging Graphene-Based Nanomaterials for Cancer Nanotheranostics. <b>2023</b> , 1091-1126	0
15	Development of nanographene oxide/2-hydroxyethyl methacrylate/gelatin/alginate and nanotitanium dioxide/2-hydroxyethyl methacrylate/gelatin/alginate polymeric systems for biomedical applications. <b>2023</b> , 763-802	0
14	Chlorambucil-Loaded Graphene-Oxide-Based Nano-Vesicles for Cancer Therapy. <b>2023</b> , 15, 649	0
13	One-step biogenic synthesis of bismuth/reduced graphene oxide nanocomposites using lemon juice and their applications as recyclable nanocatalyst for the reduction of 4-nitrophenol. <b>2023</b> , 22, 100383	0
12	Nano-mechanical and nano-tribological characterization of Ni-Co-BN nano-composite coating for bearing applications. <b>2023</b> , 180, 108281	0

- 11 Pristine/folate-functionalized graphene oxide as two intrinsically radioiodinated nano-theranostics: self/dual in vivo targeting comparative study. **2023**, 14, ○
- 10 Graphene and Graphene Based Nanocomposites for Bio-Medical and Bio-safety Applications. **2023**, 8, ○
- 9 3D self-assembled nanocarriers for drug delivery. **2023**, 55, 140-162 ○
- 8 A comprehensive review on graphene oxide-based nanocarriers: Synthesis, functionalization and biomedical applications. **2023**, 38, 100484 ○
- 7 Developing a novel nano-drug delivery system for delivery of quinapril according to experimental and chemometrical evidence. **2023**, 81, 104271 ○
- 6 NI-BODIPY-GO Nanocomposites for Targeted PDT. **2023**, 8, 8320-8331 ○
- 5 Biomedical Application of Porous Carbon and Its Future in Precision Medical Devices. **2023**, 449-491 ○
- 4 Graphene-Related Nanomaterials for Biomedical Applications. **2023**, 13, 1092 ○
- 3 Graphene and graphene oxide-based nanocomposites for theranostic applications. **2023**, 103-135 ○
- 2 Exploring graphene and its potential in delivery of drugs and biomolecules. **2023**, 84, 104446 ○
- 1 Molecular Insights on the Modulated Acetylcholinesterase Inhibition Activity of Tacrine Adsorbed on Biocompatible Graphene Oxide. **2023**, 8, ○