Kostas Kostarelos

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/3460619/publications.pdf

Version: 2024-02-01

		4146	4342
297	32,708	87	173
papers	citations	h-index	g-index

332	332	332	33855
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Applications of carbon nanotubes in drug delivery. Current Opinion in Chemical Biology, 2005, 9, 674-679.	6.1	1,705
2	Cellular uptake of functionalized carbon nanotubes is independent of functional group and cell type. Nature Nanotechnology, 2007, 2, 108-113.	31.5	1,035
3	Tissue biodistribution and blood clearance rates of intravenously administered carbon nanotube radiotracers. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 3357-3362.	7.1	995
4	Functionalized Carbon Nanotubes in Drug Design and Discovery. Accounts of Chemical Research, 2008, 41, 60-68.	15.6	994
5	Functionalized Carbon Nanotubes for Plasmid DNA Gene Delivery. Angewandte Chemie - International Edition, 2004, 43, 5242-5246.	13.8	977
6	Biomedical applications of functionalised carbon nanotubes. Chemical Communications, 2005, , 571.	4.1	953
7	Carbon nanotubes as nanomedicines: From toxicology to pharmacologyâˆ†. Advanced Drug Delivery Reviews, 2006, 58, 1460-1470.	13.7	749
8	Promises, facts and challenges for carbon nanotubes in imaging and therapeutics. Nature Nanotechnology, 2009, 4, 627-633.	31.5	738
9	Binding and Condensation of Plasmid DNA onto Functionalized Carbon Nanotubes:Â Toward the Construction of Nanotube-Based Gene Delivery Vectors. Journal of the American Chemical Society, 2005, 127, 4388-4396.	13.7	726
10	Nanocomposite Hydrogels: 3D Polymerâ€“Nanoparticle Synergies for On-Demand Drug Delivery. ACS Nano, 2015, 9, 4686-4697.	14.6	624
11	Liposomes: From a Clinically Established Drug Delivery System to a Nanoparticle Platform for Theranostic Nanomedicine. Accounts of Chemical Research, 2011, 44, 1094-1104.	15.6	606
12	Multifunctional biohybrid magnetite microrobots for imaging-guided therapy. Science Robotics, 2017, 2, .	17.6	594
13	Prospects and Challenges of Graphene in Biomedical Applications. Advanced Materials, 2013, 25, 2258-2268.	21.0	573
14	Functionalized carbon nanotubes as emerging nanovectors for the delivery of therapeutics. Biochimica Et Biophysica Acta - Biomembranes, 2006, 1758, 404-412.	2.6	477
15	Controlled In Vivo Swimming of a Swarm of Bacteriaâ€Like Microrobotic Flagella. Advanced Materials, 2015, 27, 2981-2988.	21.0	440
16	Water-based and biocompatible 2D crystal inks for all-inkjet-printed heterostructures. Nature Nanotechnology, 2017, 12, 343-350.	31.5	440
17	Safety Assessment of Graphene-Based Materials: Focus on Human Health and the Environment. ACS Nano, 2018, 12, 10582-10620.	14.6	438
18	Diameter and rigidity of multiwalled carbon nanotubes are critical factors in mesothelial injury and carcinogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, E1330-8.	7.1	437

#	Article	IF	Citations
19	The long and short of carbon nanotube toxicity. Nature Biotechnology, 2008, 26, 774-776.	17.5	399
20	Double functionalisation of carbon nanotubes for multimodal drug delivery. Chemical Communications, 2006, , 1182.	4.1	374
21	Classification Framework for Grapheneâ€Based Materials. Angewandte Chemie - International Edition, 2014, 53, 7714-7718.	13.8	369
22	Biomedical Uses for 2D Materials Beyond Graphene: Current Advances and Challenges Ahead. Advanced Materials, 2016, 28, 6052-6074.	21.0	335
23	Production and processing of graphene and related materials. 2D Materials, 2020, 7, 022001.	4.4	333
24	Multiwalled carbon nanotubeâ€“doxorubicin supramolecular complexes for cancer therapeutics. Chemical Communications, 2008, , 459-461.	4.1	327
25	Making carbon nanotubes biocompatible and biodegradable. Chemical Communications, 2011, 47, 10182.	4.1	323
26	Physiologically Based Pharmacokinetic Modeling of Nanoparticles. ACS Nano, 2010, 4, 6303-6317.	14.6	313
27	In vivo formation of protein corona on gold nanoparticles. The effect of their size and shape. Nanoscale, 2018, 10, 1256-1264.	5.6	286
28	Safety Considerations for Graphene: Lessons Learnt from Carbon Nanotubes. Accounts of Chemical Research, 2013, 46, 692-701.	15.6	285
29	Exploring the Interface of Graphene and Biology. Science, 2014, 344, 261-263.	12.6	285
30	Length-Dependent Retention of Carbon Nanotubes in the Pleural Space of Mice Initiates Sustained Inflammation and Progressive Fibrosis on the Parietal Pleura. American Journal of Pathology, 2011, 178, 2587-2600.	3.8	278
31	In Vivo Biomolecule Corona around Blood-Circulating, Clinically Used and Antibody-Targeted Lipid Bilayer Nanoscale Vesicles. ACS Nano, 2015, 9, 8142-8156.	14.6	274
32	Filled and glycosylated carbon nanotubes for in vivo radioemitter localization and imaging. Nature Materials, 2010, 9, 485-490.	27.5	267
33	Trends in Microâ€/Nanorobotics: Materials Development, Actuation, Localization, and System Integration for Biomedical Applications. Advanced Materials, 2021, 33, e2002047.	21.0	256
34	Targeting carbon nanotubes against cancer. Chemical Communications, 2012, 48, 3911.	4.1	248
35	Evolution of the nanoparticle corona. Nature Nanotechnology, 2017, 12, 288-290.	31.5	243
36	Cell-penetrating CNTs for delivery of therapeutics. Nano Today, 2007, 2, 38-43.	11.9	238

#	Article	IF	Citations
37	Translocation mechanisms of chemically functionalised carbon nanotubes across plasma membranes. Biomaterials, 2012, 33, 3334-3343.	11.4	224
38	Functional motor recovery from brain ischemic insult by carbon nanotube-mediated siRNA silencing. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 10952-10957.	7.1	217
39	Lipidâ€“Peptide Vesicle Nanoscale Hybrids for Triggered Drug Release by Mild Hyperthermia in Vitro and in Vivo. ACS Nano, 2012, 6, 9335-9346.	14.6	212
40	Dynamic Imaging of Functionalized Multiâ€Walled Carbon Nanotube Systemic Circulation and Urinary Excretion. Advanced Materials, 2008, 20, 225-230.	21.0	196
41	Functionalizedâ€Quantumâ€Dotâ€“Liposome Hybrids as Multimodal Nanoparticles for Cancer. Small, 2008, 4, 1406-1415.	10.0	178
42	Time-evolution of in vivo protein corona onto blood-circulating PEGylated liposomal doxorubicin (DOXIL) nanoparticles. Nanoscale, 2016, 8, 6948-6957.	5.6	173
43	Carbonâ€Nanotube Shape and Individualization Critical for Renal Excretion. Small, 2008, 4, 1130-1132.	10.0	172
44	Synthetic, self-assembly ABCD nanoparticles; a structural paradigm for viable synthetic non-viral vectors. Chemical Society Reviews, 2005, 34, 970.	38.1	171
45	Synthesis and Characterization of a Carbon Nanotubeâ^'Dendron Series for Efficient siRNA Delivery. Journal of the American Chemical Society, 2009, 131, 9843-9848.	13.7	168
46	Purified Graphene Oxide Dispersions Lack In Vitro Cytotoxicity and In Vivo Pathogenicity. Advanced Healthcare Materials, 2013, 2, 433-441.	7.6	166
47	Dynamic imaging of PEGylated indocyanine green (ICG) liposomes within the tumor microenvironment using multi-spectral optoacoustic tomography (MSOT). Biomaterials, 2015, 37, 415-424.	11.4	165
48	Graphene devices for life. Nature Nanotechnology, 2014, 9, 744-745.	31.5	162
49	Biocompatibility and biodegradability of 2D materials: graphene and beyond. Chemical Communications, 2019, 55, 5540-5546.	4.1	158
50	Liposomeâ€“nanoparticle hybrids for multimodal diagnostic and therapeutic applications. Nanomedicine, 2007, 2, 85-98.	3.3	154
51	Antitumor Activity and Prolonged Survival by Carbonâ€Nanotubeâ€Mediated Therapeutic siRNA Silencing in a Human Lung Xenograft Model. Small, 2009, 5, 1176-1185.	10.0	153
52	Asbestosâ€like Pathogenicity of Long Carbon Nanotubes Alleviated by Chemical Functionalization. Angewandte Chemie - International Edition, 2013, 52, 2274-2278.	13.8	153
53	Purity of graphene oxide determines its antibacterial activity. 2D Materials, 2016, 3, 025025.	4.4	150
54	Tissue histology and physiology following intravenous administration of different types of functionalized multiwalled carbon nanotubes. Nanomedicine, 2008, 3, 149-161.	3.3	149

#	Article	IF	Citations
55	Graphene oxide is degraded by neutrophils and the degradation products are non-genotoxic. Nanoscale, 2018, 10, 1180-1188.	5.6	148
56	Opportunities and challenges of carbon-based nanomaterials for cancer therapy. Expert Opinion on Drug Delivery, 2008, 5, 331-342.	5.0	147
57	Carbon nanotubes as vectors for gene therapy: Past achievements, present challenges and future goals. Advanced Drug Delivery Reviews, 2013, 65, 2023-2033.	13.7	147
58	Viscoelastic surface electrode arrays to interface with viscoelastic tissues. Nature Nanotechnology, 2021, 16, 1019-1029.	31.5	144
59	Lipidâ˜'Quantum Dot Bilayer Vesicles Enhance Tumor Cell Uptake and Retention in Vitro and in Vivo. ACS Nano, 2008, 2, 408-418.	14.6	141
60	Grapheneâ€Based Electroresponsive Scaffolds as Polymeric Implants for Onâ€Demand Drug Delivery. Advanced Healthcare Materials, 2014, 3, 1334-1343.	7.6	134
61	Graphene Oxide Nanosheets Reshape Synaptic Function in Cultured Brain Networks. ACS Nano, 2016, 10, 4459-4471.	14.6	133
62	Chemical Components for the Design of Temperature-Responsive Vesicles as Cancer Therapeutics. Chemical Reviews, 2016, 116, 3883-3918.	47.7	132
63	Enhanced anticancer activity of multi-walled carbon nanotubeâ€"methotrexate conjugates using cleavable linkers. Chemical Communications, 2010, 46, 1494-1496.	4.1	131
64	Graphene in the Design and Engineering of Nextâ€Generation Neural Interfaces. Advanced Materials, 2017, 29, 1700909.	21.0	129
65	Cationic Poly-<scp>l</scp>-lysine Dendrimer Complexes Doxorubicin and Delays Tumor Growth in Vitro and in Vivo. ACS Nano, 2013, 7, 1905-1917.	14.6	124
66	Physical Conjugation of (Tri-) Block Copolymers to Liposomes toward the Construction of Sterically Stabilized Vesicle Systems. Langmuir, 1999, 15, 369-376.	3.5	116
67	Tissue distribution and urinary excretion of intravenously administered chemically functionalized graphene oxide sheets. Chemical Science, 2015, 6, 3952-3964.	7.4	116
68	The Human In Vivo Biomolecule Corona onto PEGylated Liposomes: A Proofâ€ofâ€Concept Clinical Study. Advanced Materials, 2019, 31, e1803335.	21.0	116
69	The winding road for carbon nanotubes in nanomedicine. Materials Today, 2015, 18, 12-19.	14.2	115
70	Tumor Targeting of Functionalized Quantum Dotâ˜'Liposome Hybrids by Intravenous Administration. Molecular Pharmaceutics, 2009, 6, 520-530.	4.6	111
71	Single-cell mass cytometry and transcriptome profiling reveal the impact of graphene on human immune cells. Nature Communications, 2017, 8, 1109.	12.8	111
72	Binding and interstitial penetration of liposomes within avascular tumor spheroids. International Journal of Cancer, 2004, 112, 713-721.	5.1	110

#	Article	IF	Citations
73	Cellular uptake mechanisms of functionalised multi-walled carbon nanotubes by 3D electron tomography imaging. Nanoscale, 2011, 3, 2627.	5.6	110
74	Rational design and engineering of delivery systems for therapeutics: biomedical exercises in colloid and surface science. Advances in Colloid and Interface Science, 2003, 106, 147-168.	14.7	109
75	Degree of Chemical Functionalization of Carbon Nanotubes Determines Tissue Distribution and Excretion Profile. Angewandte Chemie - International Edition, 2012, 51, 6389-6393.	13.8	109
76	Functionalized Carbon Nanotubes for Probing and Modulating Molecular Functions. Chemistry and Biology, 2010, 17, 107-115.	6.0	104
77	In vivo degradation of functionalized carbon nanotubes after stereotactic administration in the brain cortex. Nanomedicine, 2012, 7, 1485-1494.	3.3	104
78	Pharmacokinetics & tissue distribution of temperature-sensitive liposomal doxorubicin in tumor-bearing mice triggered with mild hyperthermia. Biomaterials, 2012, 33, 4608-4617.	11.4	103
79	Synthesis of few-layered, high-purity graphene oxide sheets from different graphite sources for biology. 2D Materials, 2016, 3, 014006.	4.4	103
80	Graphene oxide: A growth factor delivery carrier to enhance chondrogenic differentiation of human mesenchymal stem cells in 3D hydrogels. Acta Biomaterialia, 2019, 96, 271-280.	8.3	100
81	Electroresponsive Polymerâ€“Carbon Nanotube Hydrogel Hybrids for Pulsatile Drug Delivery In Vivo. Advanced Healthcare Materials, 2013, 2, 806-811.	7.6	98
82	Systemic antiangiogenic activity of cationic poly-L-lysine dendrimer delays tumor growth. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 3966-3971.	7.1	97
83	Monoclonal antibody-targeted PEGylated liposome-ICG encapsulating doxorubicin as a potential theranostic agent. International Journal of Pharmaceutics, 2015, 482, 2-10.	5.2	95
84	Hybrid Polymerâ€Grafted Multiwalled Carbon Nanotubes for In vitro Gene Delivery. Small, 2010, 6, 2281-2291.	10.0	94
85	Can Carbon Nanotubes Deliver on Their Promise in Biology? Harnessing Unique Properties for Unparalleled Applications. ACS Central Science, 2016, 2, 190-200.	11.3	91
86	Molecular and Genomic Impact of Large and Small Lateral Dimension Graphene Oxide Sheets on Human Immune Cells from Healthy Donors. Advanced Healthcare Materials, 2016, 5, 276-287.	7.6	90
87	Functionalized Carbon Nanotubes in the Brain: Cellular Internalization and Neuroinflammatory Responses. PLoS ONE, 2013, 8, e80964.	2.5	89
88	Microglia Determine Brain Region-Specific Neurotoxic Responses to Chemically Functionalized Carbon Nanotubes. ACS Nano, 2015, 9, 7815-7830.	14.6	86
89	The effective nuclear delivery of doxorubicin from dextran-coated gold nanoparticles larger than nuclear pores. Biomaterials, 2013, 34, 3503-3510.	11.4	85
90	Cellular Uptake and Cytotoxic Impact of Chemically Functionalized and Polymerâ€Coated Carbon Nanotubes. Small, 2011, 7, 3230-3238.	10.0	84

#	Article	IF	Citations
91	Detection of Endotoxin Contamination of Graphene Based Materials Using the TNF-Î± Expression Test and Guidelines for Endotoxin-Free Graphene Oxide Production. PLoS ONE, 2016, 11, e0166816.	2.5	84
92	Designer adenoviruses for nanomedicine and nanodiagnostics. Trends in Biotechnology, 2009, 27, 220-229.	9.3	83
93	Live Imaging of Label-Free Graphene Oxide Reveals Critical Factors Causing Oxidative-Stress-Mediated Cellular Responses. ACS Nano, 2018, 12, 1373-1389.	14.6	83
94	Pharmacology of carbon nanotubes: Toxicokinetics, excretion and tissue accumulation. Advanced Drug Delivery Reviews, 2013, 65, 2111-2119.	13.7	82
95	Liposomeâ€“Gold Nanorod Hybrids for High-Resolution Visualization Deep in Tissues. Journal of the American Chemical Society, 2012, 134, 13256-13258.	13.7	77
96	Monoclonal antibody-targeted, temperature-sensitive liposomes: In vivo tumor chemotherapeutics in combination with mild hyperthermia. Journal of Controlled Release, 2014, 196, 332-343.	9.9	74
97	A blueprint for the synthesis and characterisation of thin graphene oxide with controlled lateral dimensions for biomedicine. 2D Materials, 2018, 5, 035020.	4.4	73
98	A Monte Carlo track structure code for electrons (~10 eV-10 keV) and protons (~0.3-10 MeV) in water: partitioning of energy and collision events. Physics in Medicine and Biology, 2000, 45, 3171-3194.	3.0	71
99	Carbon nanotube cell translocation and delivery of nucleic acidsin vitro and in vivo. Journal of Materials Chemistry, 2008, 18, 17-22.	6.7	71
100	Enhanced cellular internalization and gene silencing with a series of cationic dendronâ€multiwalled carbon nanotube:siRNA complexes. FASEB Journal, 2010, 24, 4354-4365.	0.5	71
101	Intracellular Trafficking of Carbon Nanotubes by Confocal Laser Scanning Microscopy. Advanced Materials, 2007, 19, 1480-1484.	21.0	70
102	The Effects of Extensive Glomerular Filtration of Thin Graphene Oxide Sheets on Kidney Physiology. ACS Nano, 2016, 10, 10753-10767.	14.6	70
103	Grouping all carbon nanotubes into a single substance category is scientifically unjustified. Nature Nanotechnology, 2020, 15, 164-164.	31.5	70
104	Banning carbon nanotubes would be scientifically unjustified and damaging to innovation. Nature Nanotechnology, 2020, 15, 164-166.	31.5	69
105	Nanoparticles functionalised with recombinant single chain Fv antibody fragments (scFv) for the magnetic resonance imaging of cancer cells. Biomaterials, 2010, 31, 1307-1315.	11.4	68
106	Graphene Oxide Elicits Membrane Lipid Changes and Neutrophil Extracellular Trap Formation. CheM, 2018, 4, 334-358.	11.7	68
107	Cytokine Profiling of Primary Human Macrophages Exposed to Endotoxinâ€Free Graphene Oxide: Sizeâ€Independent NLRP3 Inflammasome Activation. Advanced Healthcare Materials, 2018, 7, 1700815.	7.6	67
108	Graphene materials as 2D non-viral gene transfer vector platforms. Gene Therapy, 2017, 24, 123-132.	4.5	66

#	Article	IF	Citations
109	Selective Liposomal Transport through Blood Brain Barrier Disruption in Ischemic Stroke Reveals Two Distinct Therapeutic Opportunities. ACS Nano, 2019, 13, 12470-12486.	14.6	66
110	Formation of protein corona in vivo affects drug release from temperature-sensitive liposomes. Journal of Controlled Release, 2018, 276, 157-167.	9.9	65
111	Therapeutics, imaging and toxicity of nanomaterials in the central nervous system. Journal of Controlled Release, 2012, 161, 290-306.	9.9	63
112	Design, engineering and structural integrity of electro-responsive carbon nanotube- based hydrogels for pulsatile drug release. Journal of Materials Chemistry B, 2013, 1, 4593.	5.8	63
113	Covalent chemical functionalization enhances the biodegradation of graphene oxide. 2D Materials, 2018, 5, 015020.	4.4	63
114	A novel scavenging tool for cancer biomarker discovery based on the blood-circulating nanoparticle protein corona. Biomaterials, 2019, 188, 118-129.	11.4	62
115	How do functionalized carbon nanotubes land on, bind to and pierce through model and plasma membranes. Nanoscale, 2013, 5, 10242.	5.6	61
116	Degradation-by-design: Surface modification with functional substrates that enhance the enzymatic degradation of carbon nanotubes. Biomaterials, 2015, 72, 20-28.	11.4	61
117	Thickness of functionalized graphene oxide sheets plays critical role in tissue accumulation and urinary excretion: A pilot PET/CT study. Applied Materials Today, 2016, 4, 24-30.	4.3	61
118	Induced pluripotent stem (iPS) cells: A new source for cell-based therapeutics?. Journal of Controlled Release, 2014, 185, 37-44.	9.9	60
119	Design of Cationic Multiwalled Carbon Nanotubes as Efficient siRNA Vectors for Lung Cancer Xenograft Eradication. Bioconjugate Chemistry, 2015, 26, 1370-1379.	3.6	58
120	The relationship between the diameter of chemically-functionalized multi-walled carbon nanotubes and their organ biodistribution profiles inÂvivo. Biomaterials, 2014, 35, 9517-9528.	11.4	57
121	Graphene for multi-functional synthetic biology: The last â€˜zeitgeistâ€™ in nanomedicine. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 1638-1649.	2.2	56
122	Luminescence of Functionalized Carbon Nanotubes as a Tool to Monitor Bundle Formation and Dissociation in Water: The Effect of Plasmid-DNA Complexation. Advanced Functional Materials, 2006, 16, 1839-1846.	14.9	55
123	Blood Circulation and Tissue Biodistribution of Lipidâ˜†Quantum Dot (L-QD) Hybrid Vesicles Intravenously Administered in Mice. Bioconjugate Chemistry, 2009, 20, 1696-1702.	3.6	55
124	Preparation of Narrow Size Distribution Silica Particles Using Microemulsions. Langmuir, 1997, 13, 6400-6406.	3.5	54
125	Doxorubicin-loaded lipid-quantum dot hybrids: Surface topography and release properties. International Journal of Pharmaceutics, 2011, 416, 443-447.	5.2	54
126	Autophagy and formation of tubulovesicular autophagosomes provide a barrier against nonviral gene delivery. Autophagy, 2013, 9, 667-682.	9.1	54

#	Article	IF	Citations
127	Carbon Nanotubes: On the Road to Deliver. Current Drug Delivery, 2005, 2, 253-259.	1.6	53
128	Nanoengineering Artificial Lipid Envelopes Around Adenovirus by Self-Assembly. ACS Nano, 2008, 2, 1040-1050.	14.6	53
129	The alluring potential of functionalized carbon nanotubes in drug discovery. Expert Opinion on Drug Discovery, 2010, 5, 691-707.	5.0	53
130	Nanotools for Sepsis Diagnosis and Treatment. Advanced Healthcare Materials, 2021, 10, e2001378.	7.6	53
131	Cytotoxic Assessment of Carbon Nanotube Interaction with Cell Cultures. Methods in Molecular Biology, 2011, 726, 299-312.	0.9	52
132	Intracellular degradation of chemically functionalized carbon nanotubes using a long-term primary microglial culture model. Nanoscale, 2016, 8, 590-601.	5.6	52
133	Multifunctionalised cationic fullerene adducts for gene transfer: design, synthesis and DNA complexation. Chemical Communications, 2007, , 3762.	4.1	51
134	Splenic Capture and In Vivo Intracellular Biodegradation of Biological-Grade Graphene Oxide Sheets. ACS Nano, 2020, 14, 10168-10186.	14.6	51
135	Application of carbon nanotubes in neurology: clinical perspectives and toxicological risks. Archives of Toxicology, 2012, 86, 1009-1020.	4.2	50
136	Gadolinium-functionalised multi-walled carbon nanotubes as a T 1 contrast agent for MRI cell labelling and tracking. Carbon, 2016, 97, 126-133.	10.3	50
137	Optimizing the Geometry of Photoacoustically Active Gold Nanoparticles for Biomedical Imaging. ACS Photonics, 2020, 7, 646-652.	6.6	49
138	Full-bandwidth electrophysiology of seizures and epileptiform activity enabled by flexible graphene microtransistor depth neural probes. Nature Nanotechnology, 2022, 17, 301-309.	31.5	49
139	Interfacing Functionalized Carbon Nanohorns with Primary Phagocytic Cells. Advanced Materials, 2008, 20, 2421-2426.	21.0	48
140	Biodegradation of carbon nanohorns in macrophage cells. Nanoscale, 2015, 7, 2834-2840.	5.6	48
141	Translating graphene and 2D materials into medicine. Nature Reviews Materials, 2016, 1, .	48.7	48
142	Kinetics of functionalised carbon nanotube distribution in mouse brain after systemic injection: Spatial to ultra-structural analyses. Journal of Controlled Release, 2016, 224, 22-32.	9.9	48
143	The current graphene safety landscape â€“ a literature mining exercise. Nanoscale, 2015, 7, 6432-6435.	5.6	47
144	Nanoscale nights of COVID-19. Nature Nanotechnology, 2020, 15, 343-344.	31.5	46

#	Article	IF	Citations
145	Graphene Oxide Nanosheets Interact and Interfere with SARSâ€CoVâ€2 Surface Proteins and Cell Receptors to Inhibit Infectivity. Small, 2021, 17, e2101483.	10.0	46
146	Artificial envelopment of nonenveloped viruses: enhancing adenovirus tumor targeting in vivo. FASEB Journal, 2008, 22, 3389-3402.	0.5	45
147	Ammonium and Guanidinium Dendronâ€“Carbon Nanotubes by Amidation and Click Chemistry and their Use for siRNA Delivery. Small, 2013, 9, 3610-3619.	10.0	45
148	Protein corona fingerprinting to differentiate sepsis from non-infectious systemic inflammation. Nanoscale, 2020, 12, 10240-10253.	5.6	45
149	Engineering Lipid Vesicles of Enhanced Intratumoral Transport Capabilities: Correlating Liposome Characteristics with Penetration into Human Prostate Tumor Spheroids. Journal of Liposome Research, 2005, 15, 15-27.	3.3	44
150	Sizeâ€Ðependent Pulmonary Impact of Thin Graphene Oxide Sheets in Mice: Toward Safeâ€byâ€Ðesign. Advanced Science, 2020, 7, 1903200.	11.2	44
151	Graphene active sensor arrays for long-term and wireless mapping of wide frequency band epicortical brain activity. Nature Communications, 2021, 12, 211.	12.8	44
152	Small, Thin Graphene Oxide Is Anti-inflammatory Activating Nuclear Factor Erythroid 2-Related Factor 2 via Metabolic Reprogramming. ACS Nano, 2018, 12, 11949-11962.	14.6	43
153	Graphene Oxide Flakes Tune Excitatory Neurotransmission in Vivo by Targeting Hippocampal Synapses. Nano Letters, 2019, 19, 2858-2870.	9.1	43
154	An analytic dosimetry study for the use of radionuclide-liposome conjugates in internal radiotherapy. Journal of Nuclear Medicine, 2001, 42, 499-504.	5.0	43
155	Construction of nanoscale multicompartment liposomes for combinatory drug delivery. International Journal of Pharmaceutics, 2007, 331, 182-185.	5.2	42
156	Efficient receptor-independent intracellular translocation of aptamers mediated by conjugation to carbon nanotubes. Chemical Communications, 2010, 46, 7379.	4.1	41
157	Hemotoxicity of carbon nanotubes. Advanced Drug Delivery Reviews, 2013, 65, 2127-2134.	13.7	41
158	Peptide Nanofiber Complexes with siRNA for Deep Brain Gene Silencing by Stereotactic Neurosurgery. ACS Nano, 2015, 9, 1137-1149.	14.6	41
159	Antibody Covalent Immobilization on Carbon Nanotubes and Assessment of Antigen Binding. Small, 2011, 7, 2179-2187.	10.0	40
160	3D Organotypic Spinal Cultures: Exploring Neuron and Neuroglia Responses Upon Prolonged Exposure to Graphene Oxide. Frontiers in Systems Neuroscience, 2019, 13, 1.	2.5	40
161	Reasons for success and lessons learnt from nanoscale vaccines against COVID-19. Nature Nanotechnology, 2021, 16, 843-850.	31.5	40
162	Fibrillar pharmacology. Nature Materials, 2010, 9, 793-795.	27.5	39

#	Article	IF	Citations
163	In Vivo Cell Reprogramming towards Pluripotency by Virus-Free Overexpression of Defined Factors. PLoS ONE, 2013, 8, e54754.	2.5	39
164	Multifunctional carbon nanomaterial hybrids for magnetic manipulation and targeting. Biochemical and Biophysical Research Communications, 2015, 468, 454-462.	2.1	39
165	Free Cholesterol Enhances Adenoviral Vector Gene Transfer and Expression in CAR-Deficient Cells. Molecular Therapy, 2000, 1, 39-48.	8.2	38
166	Functionalized Carbon Nanotubes: Towards the Delivery of Therapeutic Molecules. Journal of Biomedical Nanotechnology, 2005, 1, 133-142.	1.1	38
167	Polyamine functionalized carbon nanotubes: synthesis, characterization, cytotoxicity and siRNA binding. Journal of Materials Chemistry, 2011, 21, 4850.	6.7	38
168	The emergence of nanomedicine: a field in the making. Nanomedicine, 2006, 1, 1-3.	3.3	37
169	Engineering thermosensitive liposome-nanoparticle hybrids loaded with doxorubicin for heat-triggered drug release. International Journal of Pharmaceutics, 2016, 514, 133-141.	5.2	37
170	Steric stabilization of phospholipid vesicles by block copolymers Vesicle flocculation and osmotic swelling caused by monovalent and divalent cations. Journal of the Chemical Society, Faraday Transactions, 1998, 94, 2159-2168.	1.7	36
171	Engineering Cationic Liposome. Methods in Enzymology, 2009, 464, 343-354.	1.0	36
172	Intracellular trafficking and gene expression of pH-sensitive, artificially enveloped adenoviruses in vitro and in vivo. Biomaterials, 2011, 32, 3085-3093.	11.4	36
173	Graphene oxide as a 2D platform for complexation and intracellular delivery of siRNA. Nanoscale, 2019, 11, 13863-13877.	5.6	35
174	Triggered doxorubicin release in solid tumors from thermosensitive liposome-peptide hybrids: Critical parameters and therapeutic efficacy. International Journal of Cancer, 2015, 137, 731-743.	5.1	34
175	Liposome-mediated radiotherapeutics within avascular tumor spheroids: comparative dosimetry study for various radionuclides, liposome systems, and a targeting antibody. Journal of Nuclear Medicine, 2005, 46, 89-97.	5.0	34
176	Addition of (Tri-)Block Copolymers to Phospholipid Vesicles: A Study of the Molecular Morphology and Structure by Using Hydrophobic Dye Molecules as Bilayer Probes. Journal of Colloid and Interface Science, 1997, 191, 341-348.	9.4	33
177	Tissue dosimetry of liposome-radionuclide complexes for internal radiotherapy: toward liposome-targeted therapeutic radiopharmaceuticals. Anticancer Research, 2000, 20, 3339-45.	1.1	33
178	Thermal monitoring during photothermia: hybrid probes for simultaneous plasmonic heating and near-infrared optical nanothermometry. Theranostics, 2019, 9, 7298-7312.	10.0	32
179	Carbon nanotube-mediated wireless cell permeabilization: drug and gene uptake. Nanomedicine, 2011, 6, 1709-1718.	3.3	31
180	A high poly(ethylene glycol) density on graphene nanomaterials reduces the detachment of lipidâ€“poly(ethylene glycol) and macrophage uptake. Acta Biomaterialia, 2013, 9, 4744-4753.	8.3	30

#	Article	IF	Citations
181	siRNA liposome-gold nanorod vectors for multispectral optoacoustic tomography theranostics. Nanoscale, 2014, 6, 13451-13456.	5.6	30
182	Subcellular S-factors for low-energy electrons: A comparison of Monte Carlo simulations and continuous-slowing-down calculations. International Journal of Radiation Biology, 2008, 84, 1034-1044.	1.8	29
183	Graphene, other carbon nanomaterials and the immune system: toward nanoimmunity-by-design. JPhys Materials, 2020, 3, 034009.	4.2	29
184	Assessment of Cellular Uptake and Cytotoxicity of Carbon Nanotubes Using Flow Cytometry. Methods in Molecular Biology, 2010, 625, 123-134.	0.9	28
185	Addition of Block Copolymers to Liposomes Prepared Using Soybean Lecithin. Effects on Formation, Stability and the Specific Localization of the Incorporated Surfactants Investigated. Journal of Liposome Research, 1995, 5, 117-130.	3.3	27
186	Functional inhibition of Î²-catenin-mediatedWnt signaling by intracellular VHHantibodies. MAbs, 2015, 7, 180-191.	5.2	26
187	Hypochlorite degrades 2D graphene oxide sheets faster than 1D oxidised carbon nanotubes and nanohorns. Npj 2D Materials and Applications, 2017, 1, .	7.9	26
188	Nitric oxide-dependent biodegradation of graphene oxide reduces inflammation in the gastrointestinal tract. Nanoscale, 2020, 12, 16730-16737.	5.6	26
189	Synthesis and Application of Integrin Targeting Lipopeptides in Targeted Gene Delivery. ChemBioChem, 2005, 6, 1212-1223.	2.6	25
190	Carbon nanotubes in medicine & biology â€" Therapy and diagnostics. Advanced Drug Delivery Reviews, 2013, 65, 1897-1898.	13.7	25
191	Direct visualization of carbon nanotube degradation in primary cells by photothermal imaging. Nanoscale, 2017, 9, 4642-4645.	5.6	25
192	Nano-omics: nanotechnology-based multidimensional harvesting of the blood-circulating cancerome. Nature Reviews Clinical Oncology, 2022, 19, 551-561.	27.6	25
193	Molecular structure and conformation in phospholipid vesicles sterically stabilized by (tri)-block copolymers investigated by multi-nuclear magnetic resonance techniques. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1998, 136, 1-9.	4.7	24
194	Simple model of bulk and surface excitation effects to inelastic scattering in low-energy electron beam irradiation of multi-walled carbon nanotubes. Journal of Applied Physics, 2011, 110, 054304.	2.5	24
195	Immunological impact of graphene oxide sheets in the abdominal cavity is governed by surface reactivity. Archives of Toxicology, 2018, 92, 3359-3379.	4.2	24
196	Non-viral, Tumor-free Induction of Transient Cell Reprogramming in Mouse Skeletal Muscle to Enhance Tissue Regeneration. Molecular Therapy, 2019, 27, 59-75.	8.2	24
197	Multiparametric Profiling of Engineered Nanomaterials: Unmasking the Surface Coating Effect. Advanced Science, 2020, 7, 2002221.	11.2	24
198	Biomedical Applications of Functionalised Carbon Nanotubes. Carbon Materials, 2008, , 23-50.	1.2	23

#	Article	IF	Citations
199	Stable, concentrated, biocompatible, and defect-free graphene dispersions with positive charge. Nanoscale, 2020, 12, 12383-12394.	5.6	23
200	A Monte Carlo study of energy deposition at the sub-cellular level for application to targeted radionuclide therapy with low-energy electron emitters. Nuclear Instruments & Methods in Physics Research B, 2007, 256, 547-553.	1.4	22
201	Nanorobots for medicine: how close are we?. Nanomedicine, 2010, 5, 341-342.	3.3	21
202	Anti-angiogenic poly-L-lysine dendrimer binds heparin and neutralizes its activity. Results in Pharma Sciences, 2012, 2, 9-15.	4.2	21
203	An electric-field responsive microsystem for controllable miniaturised drug delivery applications. Sensors and Actuators B: Chemical, 2012, 175, 100-105.	7.8	21
204	Transient transcription factor (<scp>OSKM</scp>) expression is key towards clinical translation of inÂvivo cell reprogramming. EMBO Molecular Medicine, 2017, 9, 733-736.	6.9	21
205	Graphene oxide nanosheets modulate spinal glutamatergic transmission and modify locomotor behaviour in an in vivo zebrafish model. Nanoscale Horizons, 2020, 5, 1250-1263.	8.0	21
206	Graphene-based papers as substrates for cell growth: Characterisation and impact on mammalian cells. FlatChem, 2018, 12, 17-25.	5.6	20
207	The biomolecule corona of lipid nanoparticles contains circulating cell-free DNA. Nanoscale Horizons, 2020, 5, 1476-1486.	8.0	19
208	Intracerebral Injection of Graphene Oxide Nanosheets Mitigates Microglial Activation Without Inducing Acute Neurotoxicity: A Pilot Comparison to Other Nanomaterials. Small, 2020, 16, e2004029.	10.0	19
209	Nano-scavengers for blood biomarker discovery in ovarian carcinoma. Nano Today, 2020, 34, 100901.	11.9	19
210	The impact of graphene oxide sheet lateral dimensions on their pharmacokinetic and tissue distribution profiles in mice. Journal of Controlled Release, 2021, 338, 330-340.	9.9	19
211	Liposomes as Carriers of Radionuclides: From Imaging to Therapy. Journal of Liposome Research, 1999, 9, 429-460.	3.3	18
212	Internal Microdosimetry for Single Cells in Radioimmunotherapy of B-Cell Lymphoma. Cancer Biotherapy and Radiopharmaceuticals, 2005, 20, 224-230.	1.0	18
213	Single-Cell Dosimetry for Radioimmunotherapy of B-Cell Lymphoma Patients with Special Reference to Leukemic Spread. Cancer Biotherapy and Radiopharmaceuticals, 2007, 22, 357-366.	1.0	18
214	Controlled Chemical Derivatisation of Carbon Nanotubes with Imaging, Targeting, and Therapeutic Capabilities. Chemistry - A European Journal, 2015, 21, 14886-14892.	3.3	18
215	Liposomeâ€Indocyanine Green Nanoprobes for Optical Labeling and Tracking of Human Mesenchymal Stem Cells Postâ€Transplantation In Vivo. Advanced Healthcare Materials, 2017, 6, 1700374.	7.6	18
216	Nextâ€Generation Sequencing Reveals Differential Responses to Acute versus Longâ€Term Exposures to Graphene Oxide in Human Lung Cells. Small, 2020, 16, e1907686.	10.0	18

#	Article	IF	Citations
217	An Electric-Field Responsive Microsystem for Controllable Miniaturised Drug Delivery Applications. Procedia Engineering, 2011, 25, 984-987.	1.2	17
218	Different chemical strategies to aminate oxidised multi-walled carbon nanotubes for siRNA complexation and delivery. Journal of Materials Chemistry B, 2016, 4, 431-441.	5.8	17
219	Culture Media Critically Influence Graphene Oxide Effects on Plasma Membranes. CheM, 2017, 2, 322-323.	11.7	17
220	Dynamic interactions and intracellular fate of label-free, thin graphene oxide sheets within mammalian cells: role of lateral sheet size. Nanoscale Advances, 2021, 3, 4166-4185.	4.6	17
221	Nanoparticle-Enabled Enrichment of Longitudinal Blood Proteomic Fingerprints in Alzheimerâ€™s Disease. ACS Nano, 2021, 15, 7357-7369.	14.6	17
222	Aryl-derivatized, water-soluble functionalized carbon nanotubes for biomedical applications. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2008, 152, 8-11.	3.5	16
223	Generation of induced pluripotent stem cells from virus-free inÂvivo reprogramming of BALB/c mouse liver cells. Biomaterials, 2014, 35, 8312-8320.	11.4	16
224	Non-cytotoxic carbon nanocapsules synthesized via one-pot filling and end-closing of multi-walled carbon nanotubes. Carbon, 2019, 141, 782-793.	10.3	16
225	Hazard assessment of abraded thermoplastic composites reinforced with reduced graphene oxide. Journal of Hazardous Materials, 2022, 435, 129053.	12.4	16
226	The effect of artificial lipid envelopment of Adenovirus 5 (Ad5) on liver de-targeting and hepatotoxicity. Biomaterials, 2013, 34, 1354-1363.	11.4	15
227	Peptide nanofibres as molecular transporters: from self-assembly to in vivo degradation. Faraday Discussions, 2013, 166, 181.	3.2	15
228	Graphene oxide prevents lateral amygdala dysfunctional synaptic plasticity and reverts long lasting anxiety behavior in rats. Biomaterials, 2021, 271, 120749.	11.4	15
229	Double-blind clinical study reveals synergistic action between alpha-hydroxy acid and betamethasone lotions towards topical treatment of scalp psoriasis. Journal of the European Academy of Dermatology and Venereology, 2000, 14, 5-9.	2.4	14
230	Light-sensitive fusion between polymer-coated liposomes following physical anchoring of polymerisable polymers onto lipid bilayers by self-assembly. Faraday Discussions, 2005, 128, 379.	3.2	14
231	A study on the electronic stopping of protons in soft biological matter. Nuclear Instruments & Methods in Physics Research B, 2006, 242, 55-60.	1.4	14
232	Electron inelastic mean free paths for carbon nanotubes from optical data. Applied Physics Letters, 2009, 94, 263113.	3.3	14
233	Analytic expressions for the inelastic scattering and energy loss of electron and proton beams in carbon nanotubes. Journal of Applied Physics, 2010, 108, .	2.5	14
234	Functionalised carbon nanotubes: high biocompatibility with lack of toxicity. International Journal of Nanotechnology, 2011, 8, 885.	0.2	14

#	Article	IF	Citations
235	Pulmonary DWCNT exposure causes sustained local and low-level systemic inflammatory changes in mice. European Journal of Pharmaceutics and Biopharmaceutics, 2013, 84, 412-420.	4.3	14
236	Enhanced Intraliposomal Metallic Nanoparticle Payload Capacity Using Microfluidic-Assisted Self-Assembly. Langmuir, 2019, 35, 13318-13331.	3.5	14
237	Deep Tissue Translocation of Graphene Oxide Sheets in Human Glioblastoma 3D Spheroids and an Orthotopic Xenograft Model. Advanced Therapeutics, 2021, 4, 2000109.	3.2	14
238	Complement monitoring of carbon nanotubes. Nature Nanotechnology, 2010, 5, 382-383.	31.5	13
239	Charge-tunable graphene dispersions in water made with amphoteric pyrene derivatives. Molecular Systems Design and Engineering, 2019, 4, 503-510.	3.4	13
240	Innate but Not Adaptive Immunity Regulates Lung Recovery from Chronic Exposure to Graphene Oxide Nanosheets. Advanced Science, 2022, 9, e2104559.	11.2	13
241	Carbon nanotubes in medicine and biology â€" Safety and toxicology. Advanced Drug Delivery Reviews, 2013, 65, 2061-2062.	13.7	12
242	Impact of graphene oxide on human placental trophoblast viability, functionality and barrier integrity. 2D Materials, 2018, 5, 035014.	4.4	12
243	The attenuated spline reconstruction technique for single photon emission computed tomography. Journal of the Royal Society Interface, 2018, 15, 20180509.	3.4	12
244	Enhanced liquid phase exfoliation of graphene in water using an insoluble bis-pyrene stabiliser. Faraday Discussions, 2021, 227, 46-60.	3.2	12
245	Liposome-Mediated Delivery of Radionuclides to Tumor Models for Cancer Radiotherapy: A Quantitative Analysis. Journal of Liposome Research, 1999, 9, 407-424.	3.3	11
246	A Monte-Carlo study of sub-keV electron transport in water: the influence of the condensed phase. Nuclear Instruments & Methods in Physics Research B, 2005, 228, 341-348.	1.4	11
247	Synthesis and Analysis of Novel Glycerolipids for the Treatment of Metabolic Syndrome. Journal of Medicinal Chemistry, 2009, 52, 1172-1179.	6.4	10
248	In vivo Reprogramming of Adult Somatic Cells to Pluripotency by Overexpression of Yamanaka Factors. Journal of Visualized Experiments, 2013, , e50837.	0.3	10
249	Nose-to-Brain Translocation and Cerebral Biodegradation of Thin Graphene Oxide Nanosheets. Cell Reports Physical Science, 2020, 1, 100176.	5.6	10
250	Thin graphene oxide nanoflakes modulate glutamatergic synapses in the amygdala cultured circuits: Exploiting synaptic approaches to anxiety disorders. Nanomedicine: Nanotechnology, Biology, and Medicine, 2020, 26, 102174.	3.3	10
251	The challenge of recognising sepsis: Future nanotechnology solutions. Journal of the Intensive Care Society, 2020, 21, 241-246.	2.2	10
252	Palladium catalysed Câ€"H arylation of pyrenes: access to a new class of exfoliating agents for water-based graphene dispersions. Chemical Science, 2020, 11, 2472-2478.	7.4	10

#	Article	IF	Citations
253	Mild hyperthermia accelerates doxorubicin clearance from tumour-extravasated temperature-sensitive liposomes. Nanotheranostics, 2022, 6, 230-242.	5.2	10
254	What Role Can Chemistry Play in Cationic Liposomeâ€Based Gene Therapy Research Today?. Advances in Genetics, 2005, 53PA, 69-118.	1.8	9
255	A Monte-Carlo code for the detailed simulation of electron and light-ion tracks in condensed matter. Radiation Protection Dosimetry, 2006, 119, 491-496.	0.8	9
256	Hype around nanotubes creates unrealistic hopes. Nature, 2008, 453, 280-280.	27.8	9
257	Energy loss of protons in carbon nanotubes: Experiments and calculations. Nuclear Instruments & Methods in Physics Research B, 2010, 268, 1781-1785.	1.4	9
258	In vivo cell reprogramming to pluripotency: exploring a novel tool for cell replenishment and tissue regeneration. Biochemical Society Transactions, 2014, 42, 711-716.	3.4	9
259	Radiolabeling, whole-body single photon emission computed tomography/computed tomography imaging, and pharmacokinetics of carbon nanohorns in mice. International Journal of Nanomedicine, 2016, Volume 11, 3317-3330.	6.7	9
260	Engineering Cell Fate for Tissue Regeneration by In Vivo Transdifferentiation. Stem Cell Reviews and Reports, 2016, 12, 129-139.	5.6	9
261	Converging Mechanisms of Epileptogenesis and Their Insight in Glioblastoma. Frontiers in Molecular Neuroscience, 0, 15, .	2.9	9
262	Effect of the addition of block copolymers on the formation and stability of vesicles (liposomes) prepared using soybean lecithin. , 1995, , 69-74.		8
263	Exposure to graphene oxide sheets alters the expression of reference genes used for real-time RT-qPCR normalization. Scientific Reports, 2019, 9, 12520.	3.3	8
264	Shedding plasma membrane vesicles induced by graphene oxide nanoflakes in brain cultured astrocytes. Carbon, 2021, 176, 458-469.	10.3	8
265	Quasi first-principles Monte Carlo modeling of energy dissipation by low-energy electron beams in multi-walled carbon nanotube materials. Applied Physics Letters, 2012, 100, .	3.3	7
266	The engineering of doxorubicin-loaded liposome-quantum dot hybrids for cancer theranostics. Chinese Physics B, 2014, 23, 087805.	1.4	7
267	Primary microglia maintain their capacity to function despite internalisation and intracellular loading with carbon nanotubes. Nanoscale Horizons, 2017, 2, 284-296.	8.0	7
268	Hampering brain tumor proliferation and migration using peptide nanofiber:siPLK1/MMP2 complexes. Nanomedicine, 2019, 14, 3127-3142.	3.3	7
269	Adenoviral Mediated Delivery of OSKM Factors Induces Partial Reprogramming of Mouse Cardiac Cells In Vivo. Advanced Therapeutics, 2021, 4, 2000141.	3.2	7
270	Therapeutic Applications. , 2012, , 285-313.		6

#	Article	IF	Citations
271	Design and Engineering of Multifunctional Quantum Dot-Based Nanoparticles for Simultaneous Therapeutic-Diagnostic Applications. Nanostructure Science and Technology, 2012, , 345-365.	0.1	6
272	Development of Dual-Activity Vectors by Co-Envelopment of Adenovirus and SiRNA in Artificial Lipid Bilayers. PLoS ONE, 2014, 9, e114985.	2.5	6
273	The use of Hydrophobic Dye Molecules in Monitoring the Liposome Bilayer Microenvironment and Locating Block Copolymers Added to Enhance Liposome Steric Stability. Journal of Liposome Research, 1995, 5, 443-452.	3.3	5
274	Graphene Oxide: Purified Graphene Oxide Dispersions Lack In Vitro Cytotoxicity and In Vivo Pathogenicity (Adv. Healthcare Mater. 3/2013). Advanced Healthcare Materials, 2013, 2, 512-512.	7.6	4
275	Nanoscience and Nanotechnology Cross Borders. ACS Nano, 2017, 11, 1123-1126.	14.6	4
276	Transient reprogramming of postnatal cardiomyocytes to a dedifferentiated state. PLoS ONE, 2021, 16, e0251054.	2.5	4
277	What role can chemistry play in cationic liposome-based gene therapy research today?. Advances in Genetics, 2005, 53, 71-118.	1.8	4
278	The effect of monovalent and divalent cations on sterically stabilized phospholipid vesicles (liposomes). , 1996, , 206-211.		3
279	Establishing nanomedicine. Nanomedicine, 2006, 1, 259-260.	3.3	3
280	Molecular impact of graphene oxide with different shape dimension on human immune cells. , 2015, 3, P217.		3
281	High-Accuracy Determination of Cytotoxic Responses from Graphene Oxide Exposure Using Imaging Flow Cytometry. Methods in Molecular Biology, 2017, 1570, 287-300.	0.9	3
282	A method for the measurement of mass and number of graphene oxide sheets in suspension based on non-spherical approximations. 2D Materials, 2021, 8, 035044.	4.4	3
283	Surface modification of adenovirus by zwitterionic (DMPC:Chol) liposomes can up- or down-regulate adenoviral gene transfer efficiency in vitro. Journal of Drug Delivery Science and Technology, 2005, 15, 289-294.	3.0	2
284	Optical diagnostics: Nanosensors for liquid biopsies. Nature Biomedical Engineering, 2017, 1, .	22.5	2
285	Graphene Oxide Nanosheets Target Excitatory Synapses in the Hippocampus: Reversible Down Regulation of Glutamate Neurotransmission In-Vivo. Biophysical Journal, 2018, 114, 672a.	0.5	2
286	Human In Vivo Corona: The Human In Vivo Biomolecule Corona onto PEGylated Liposomes: A Proof-of-Concept Clinical Study (Adv. Mater. 4/2019). Advanced Materials, 2019, 31, 1970027.	21.0	2
287	Biomedical applications: general discussion. Faraday Discussions, 2021, 227, 245-258.	3.2	2
288	Engineering Lipid Vesicles of Enhanced Intratumoral Transport Capabilities: Correlating Liposome Characteristics with Penetration into Human Prostate Tumor Spheroids. Journal of Liposome Research, 2005, 15, 15-27.	3.3	1

#	Article	IF	Citations
289	Synthetic, Self-Assembly ABCD Nanoparticles; a Structural Paradigm for Viable Synthetic Non-Viral Vectors. ChemInform, 2006, 37, no.	0.0	1
290	Nano-physiology: Carbon nanotube cell biology: not just a simple interaction. European Journal of Nanomedicine, 2008, 1, .	0.6	1
291	Nanomedicine: transcending from embryonic to adolescent. Nanomedicine, 2009, 4, 123-124.	3.3	1
292	Graphene Oxide Nanosheets and Neural System: From Synaptic Modulation to Neuroinflammation. Biophysical Journal, 2018, 114, 672a.	0.5	1
293	European nanomedicine research, training and regulation consolidates. Nanomedicine, 2006, 1, 491-492.	3.3	0
294	The Rick Smalley Carbon Nanotube Symposium in San Francisco. Nanomedicine, 2007, 2, 133-133.	3.3	0
295	Engineering Stealthâ„¢ Liposome Surfaces: Exercises in Colloid Chemistry Principles. , 1998, , 139-145.		0
296	In Vivo Reprogramming Towards Pluripotency for Tissue Repair and Regeneration. Pancreatic Islet Biology, 2017, , 83-98.	0.3	0
297	107â€...Enhanced endothelial cell coverage on graphene coated stents. , 2018, , .		0