

# Kostas Kostarelos

## List of Publications by Citations

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293  
papers

26,949  
citations

81  
h-index

159  
g-index

332  
ext. papers

29,762  
ext. citations

11.1  
avg, IF

7.45  
L-index

#	Paper	IF	Citations
293	Applications of carbon nanotubes in drug delivery. <i>Current Opinion in Chemical Biology</i> , <b>2005</b> , 9, 674-9	9.7	1481
292	Cellular uptake of functionalized carbon nanotubes is independent of functional group and cell type. <i>Nature Nanotechnology</i> , <b>2007</b> , 2, 108-13	28.7	933
291	Tissue biodistribution and blood clearance rates of intravenously administered carbon nanotube radiotracers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 3357-62	11.5	903
290	Functionalized carbon nanotubes in drug design and discovery. <i>Accounts of Chemical Research</i> , <b>2008</b> , 41, 60-8	24.3	891
289	Functionalized carbon nanotubes for plasmid DNA gene delivery. <i>Angewandte Chemie - International Edition</i> , <b>2004</b> , 43, 5242-6	16.4	871
288	Biomedical applications of functionalised carbon nanotubes. <i>Chemical Communications</i> , <b>2005</b> , 571-7	5.8	863
287	Carbon nanotubes as nanomedicines: from toxicology to pharmacology. <i>Advanced Drug Delivery Reviews</i> , <b>2006</b> , 58, 1460-70	18.5	686
286	Promises, facts and challenges for carbon nanotubes in imaging and therapeutics. <i>Nature Nanotechnology</i> , <b>2009</b> , 4, 627-33	28.7	673
285	Binding and condensation of plasmid DNA onto functionalized carbon nanotubes: toward the construction of nanotube-based gene delivery vectors. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 4388-96	16.4	666
284	Liposomes: from a clinically established drug delivery system to a nanoparticle platform for theranostic nanomedicine. <i>Accounts of Chemical Research</i> , <b>2011</b> , 44, 1094-104	24.3	530
283	Nanocomposite Hydrogels: 3D Polymer-Nanoparticle Synergies for On-Demand Drug Delivery. <i>ACS Nano</i> , <b>2015</b> , 9, 4686-97	16.7	497
282	Prospects and challenges of graphene in biomedical applications. <i>Advanced Materials</i> , <b>2013</b> , 25, 2258-68	24	497
281	Functionalized carbon nanotubes as emerging nanovectors for the delivery of therapeutics. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2006</b> , 1758, 404-12	3.8	415
280	Multifunctional biohybrid magnetite microrobots for imaging-guided therapy. <i>Science Robotics</i> , <b>2017</b> , 2,	18.6	393
279	Diameter and rigidity of multiwalled carbon nanotubes are critical factors in mesothelial injury and carcinogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, E1330-8	11.5	379
278	Water-based and biocompatible 2D crystal inks for all-inkjet-printed heterostructures. <i>Nature Nanotechnology</i> , <b>2017</b> , 12, 343-350	28.7	335
277	Double functionalization of carbon nanotubes for multimodal drug delivery. <i>Chemical Communications</i> , <b>2006</b> , 1182-4	5.8	317

276	Controlled in vivo swimming of a swarm of bacteria-like microrobotic flagella. <i>Advanced Materials</i> , <b>2015</b> , 27, 2981-8	24	308
275	Multiwalled carbon nanotube-doxorubicin supramolecular complexes for cancer therapeutics. <i>Chemical Communications</i> , <b>2008</b> , 459-61	5.8	295
274	Safety Assessment of Graphene-Based Materials: Focus on Human Health and the Environment. <i>ACS Nano</i> , <b>2018</b> , 12, 10582-10620	16.7	292
273	Classification framework for graphene-based materials. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 7714-8	16.4	287
272	Making carbon nanotubes biocompatible and biodegradable. <i>Chemical Communications</i> , <b>2011</b> , 47, 10182-5	5.8	282
271	Biomedical Uses for 2D Materials Beyond Graphene: Current Advances and Challenges Ahead. <i>Advanced Materials</i> , <b>2016</b> , 28, 6052-74	24	266
270	Physiologically based pharmacokinetic modeling of nanoparticles. <i>ACS Nano</i> , <b>2010</b> , 4, 6303-17	16.7	251
269	Length-dependent retention of carbon nanotubes in the pleural space of mice initiates sustained inflammation and progressive fibrosis on the parietal pleura. <i>American Journal of Pathology</i> , <b>2011</b> , 178, 2587-600	5.8	242
268	Materials science. Exploring the interface of graphene and biology. <i>Science</i> , <b>2014</b> , 344, 261-3	33.3	241
267	Safety considerations for graphene: lessons learnt from carbon nanotubes. <i>Accounts of Chemical Research</i> , <b>2013</b> , 46, 692-701	24.3	239
266	Filled and glycosylated carbon nanotubes for in vivo radioemitter localization and imaging. <i>Nature Materials</i> , <b>2010</b> , 9, 485-90	27	238
265	Cell-penetrating CNTs for delivery of therapeutics. <i>Nano Today</i> , <b>2007</b> , 2, 38-43	17.9	220
264	In Vivo Biomolecule Corona around Blood-Circulating, Clinically Used and Antibody-Targeted Lipid Bilayer Nanoscale Vesicles. <i>ACS Nano</i> , <b>2015</b> , 9, 8142-56	16.7	218
263	Targeting carbon nanotubes against cancer. <i>Chemical Communications</i> , <b>2012</b> , 48, 3911-26	5.8	216
262	Translocation mechanisms of chemically functionalised carbon nanotubes across plasma membranes. <i>Biomaterials</i> , <b>2012</b> , 33, 3334-43	15.6	199
261	In vivo formation of protein corona on gold nanoparticles. The effect of their size and shape. <i>Nanoscale</i> , <b>2018</b> , 10, 1256-1264	7.7	198
260	Lipid-peptide vesicle nanoscale hybrids for triggered drug release by mild hyperthermia in vitro and in vivo. <i>ACS Nano</i> , <b>2012</b> , 6, 9335-46	16.7	191
259	Functional motor recovery from brain ischemic insult by carbon nanotube-mediated siRNA silencing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 10952-7	11.5	189

258	Dynamic Imaging of Functionalized Multi-Walled Carbon Nanotube Systemic Circulation and Urinary Excretion. <i>Advanced Materials</i> , <b>2008</b> , 20, 225-230	24	181
257	Production and processing of graphene and related materials. <i>2D Materials</i> , <b>2020</b> , 7, 022001	5.9	179
256	Functionalized-quantum-dot-liposome hybrids as multimodal nanoparticles for cancer. <i>Small</i> , <b>2008</b> , 4, 1406-15	11	162
255	Synthetic, self-assembly ABCD nanoparticles; a structural paradigm for viable synthetic non-viral vectors. <i>Chemical Society Reviews</i> , <b>2005</b> , 34, 970-94	58.5	158
254	Synthesis and characterization of a carbon nanotube-dendron series for efficient siRNA delivery. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 9843-8	16.4	156
253	Carbon-nanotube shape and individualization critical for renal excretion. <i>Small</i> , <b>2008</b> , 4, 1130-2	11	153
252	Purified graphene oxide dispersions lack in vitro cytotoxicity and in vivo pathogenicity. <i>Advanced Healthcare Materials</i> , <b>2013</b> , 2, 433-41	10.1	145
251	Dynamic imaging of PEGylated indocyanine green (ICG) liposomes within the tumor microenvironment using multi-spectral optoacoustic tomography (MSOT). <i>Biomaterials</i> , <b>2015</b> , 37, 415-24	15.6	137
250	Asbestos-like pathogenicity of long carbon nanotubes alleviated by chemical functionalization. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 2274-8	16.4	137
249	Graphene devices for life. <i>Nature Nanotechnology</i> , <b>2014</b> , 9, 744-5	28.7	136
248	Liposome-nanoparticle hybrids for multimodal diagnostic and therapeutic applications. <i>Nanomedicine</i> , <b>2007</b> , 2, 85-98	5.6	136
247	Lipid-quantum dot bilayer vesicles enhance tumor cell uptake and retention in vitro and in vivo. <i>ACS Nano</i> , <b>2008</b> , 2, 408-18	16.7	134
246	Time-evolution of in vivo protein corona onto blood-circulating PEGylated liposomal doxorubicin (DOXIL) nanoparticles. <i>Nanoscale</i> , <b>2016</b> , 8, 6948-57	7.7	132
245	Tissue histology and physiology following intravenous administration of different types of functionalized multiwalled carbon nanotubes. <i>Nanomedicine</i> , <b>2008</b> , 3, 149-61	5.6	131
244	Opportunities and challenges of carbon-based nanomaterials for cancer therapy. <i>Expert Opinion on Drug Delivery</i> , <b>2008</b> , 5, 331-42	8	130
243	Carbon nanotubes as vectors for gene therapy: past achievements, present challenges and future goals. <i>Advanced Drug Delivery Reviews</i> , <b>2013</b> , 65, 2023-33	18.5	128
242	Purity of graphene oxide determines its antibacterial activity. <i>2D Materials</i> , <b>2016</b> , 3, 025025	5.9	125
241	Functionalized Carbon Nanotubes for Plasmid DNA Gene Delivery. <i>Angewandte Chemie</i> , <b>2004</b> , 116, 5354-58	58	119

240	Graphene-based electroresponsive scaffolds as polymeric implants for on-demand drug delivery. <i>Advanced Healthcare Materials</i> , <b>2014</b> , 3, 1334-43	10.1	116
239	Antitumor activity and prolonged survival by carbon-nanotube-mediated therapeutic siRNA silencing in a human lung xenograft model. <i>Small</i> , <b>2009</b> , 5, 1176-85	11	115
238	Enhanced anticancer activity of multi-walled carbon nanotube-methotrexate conjugates using cleavable linkers. <i>Chemical Communications</i> , <b>2010</b> , 46, 1494-6	5.8	115
237	Cationic poly-L-lysine dendrimer complexes doxorubicin and delays tumor growth in vitro and in vivo. <i>ACS Nano</i> , <b>2013</b> , 7, 1905-17	16.7	112
236	Chemical Components for the Design of Temperature-Responsive Vesicles as Cancer Therapeutics. <i>Chemical Reviews</i> , <b>2016</b> , 116, 3883-918	68.1	109
235	Biocompatibility and biodegradability of 2D materials: graphene and beyond. <i>Chemical Communications</i> , <b>2019</b> , 55, 5540-5546	5.8	108
234	Physical Conjugation of (Tri-) Block Copolymers to Liposomes toward the Construction of Sterically Stabilized Vesicle Systems. <i>Langmuir</i> , <b>1999</b> , 15, 369-376	4	108
233	Degree of chemical functionalization of carbon nanotubes determines tissue distribution and excretion profile. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 6389-93	16.4	103
232	Binding and interstitial penetration of liposomes within avascular tumor spheroids. <i>International Journal of Cancer</i> , <b>2004</b> , 112, 713-21	7.5	102
231	Tissue distribution and urinary excretion of intravenously administered chemically functionalized graphene oxide sheets. <i>Chemical Science</i> , <b>2015</b> , 6, 3952-3964	9.4	101
230	Graphene Oxide Nanosheets Reshape Synaptic Function in Cultured Brain Networks. <i>ACS Nano</i> , <b>2016</b> , 10, 4459-71	16.7	101
229	Graphene oxide is degraded by neutrophils and the degradation products are non-genotoxic. <i>Nanoscale</i> , <b>2018</b> , 10, 1180-1188	7.7	100
228	Cellular uptake mechanisms of functionalised multi-walled carbon nanotubes by 3D electron tomography imaging. <i>Nanoscale</i> , <b>2011</b> , 3, 2627-35	7.7	98
227	Rational design and engineering of delivery systems for therapeutics: biomedical exercises in colloid and surface science. <i>Advances in Colloid and Interface Science</i> , <b>2003</b> , 106, 147-68	14.3	98
226	In vivo degradation of functionalized carbon nanotubes after stereotactic administration in the brain cortex. <i>Nanomedicine</i> , <b>2012</b> , 7, 1485-94	5.6	97
225	Tumor targeting of functionalized quantum dot-liposome hybrids by intravenous administration. <i>Molecular Pharmaceutics</i> , <b>2009</b> , 6, 520-30	5.6	97
224	Trends in Micro-/Nanorobotics: Materials Development, Actuation, Localization, and System Integration for Biomedical Applications. <i>Advanced Materials</i> , <b>2021</b> , 33, e2002047	24	97
223	Functionalized carbon nanotubes for probing and modulating molecular functions. <i>Chemistry and Biology</i> , <b>2010</b> , 17, 107-15		95

222	The winding road for carbon nanotubes in nanomedicine. <i>Materials Today</i> , <b>2015</b> , 18, 12-19	21.8	94
221	Pharmacokinetics & tissue distribution of temperature-sensitive liposomal doxorubicin in tumor-bearing mice triggered with mild hyperthermia. <i>Biomaterials</i> , <b>2012</b> , 33, 4608-17	15.6	91
220	Graphene in the Design and Engineering of Next-Generation Neural Interfaces. <i>Advanced Materials</i> , <b>2017</b> , 29, 1700909	24	88
219	Systemic antiangiogenic activity of cationic poly-L-lysine dendrimer delays tumor growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 3966-71	11.5	84
218	Single-cell mass cytometry and transcriptome profiling reveal the impact of graphene on human immune cells. <i>Nature Communications</i> , <b>2017</b> , 8, 1109	17.4	83
217	Electroresponsive polymer-carbon nanotube hydrogel hybrids for pulsatile drug delivery in vivo. <i>Advanced Healthcare Materials</i> , <b>2013</b> , 2, 806-11	10.1	83
216	Hybrid polymer-grafted multiwalled carbon nanotubes for in vitro gene delivery. <i>Small</i> , <b>2010</b> , 6, 2281-9111	11	81
215	Synthesis of few-layered, high-purity graphene oxide sheets from different graphite sources for biology. <i>2D Materials</i> , <b>2016</b> , 3, 014006	5.9	81
214	The effective nuclear delivery of doxorubicin from dextran-coated gold nanoparticles larger than nuclear pores. <i>Biomaterials</i> , <b>2013</b> , 34, 3503-10	15.6	76
213	Designer adenoviruses for nanomedicine and nanodiagnostics. <i>Trends in Biotechnology</i> , <b>2009</b> , 27, 220-9	15.1	76
212	Monoclonal antibody-targeted PEGylated liposome-ICG encapsulating doxorubicin as a potential theranostic agent. <i>International Journal of Pharmaceutics</i> , <b>2015</b> , 482, 2-10	6.5	75
211	Microglia Determine Brain Region-Specific Neurotoxic Responses to Chemically Functionalized Carbon Nanotubes. <i>ACS Nano</i> , <b>2015</b> , 9, 7815-30	16.7	74
210	Pharmacology of carbon nanotubes: toxicokinetics, excretion and tissue accumulation. <i>Advanced Drug Delivery Reviews</i> , <b>2013</b> , 65, 2111-9	18.5	74
209	Molecular and Genomic Impact of Large and Small Lateral Dimension Graphene Oxide Sheets on Human Immune Cells from Healthy Donors. <i>Advanced Healthcare Materials</i> , <b>2016</b> , 5, 276-87	10.1	73
208	Liposome-gold nanorod hybrids for high-resolution visualization deep in tissues. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 13256-8	16.4	71
207	Cellular uptake and cytotoxic impact of chemically functionalized and polymer-coated carbon nanotubes. <i>Small</i> , <b>2011</b> , 7, 3230-8	11	71
206	Can Carbon Nanotubes Deliver on Their Promise in Biology? Harnessing Unique Properties for Unparalleled Applications. <i>ACS Central Science</i> , <b>2016</b> , 2, 190-200	16.8	71
205	Functionalized carbon nanotubes in the brain: cellular internalization and neuroinflammatory responses. <i>PLoS ONE</i> , <b>2013</b> , 8, e80964	3.7	70

204	Carbon nanotube cell translocation and delivery of nucleic acids in vitro and in vivo. <i>Journal of Materials Chemistry</i> , <b>2008</b> , 18, 17-22		69
203	The Human In Vivo Biomolecule Corona onto PEGylated Liposomes: A Proof-of-Concept Clinical Study. <i>Advanced Materials</i> , <b>2019</b> , 31, e1803335	24	68
202	Enhanced cellular internalization and gene silencing with a series of cationic dendron-multiwalled carbon nanotube:siRNA complexes. <i>FASEB Journal</i> , <b>2010</b> , 24, 4354-65	0.9	67
201	Intracellular Trafficking of Carbon Nanotubes by Confocal Laser Scanning Microscopy. <i>Advanced Materials</i> , <b>2007</b> , 19, 1480-1484	24	65
200	Monoclonal antibody-targeted, temperature-sensitive liposomes: in vivo tumor chemotherapeutics in combination with mild hyperthermia. <i>Journal of Controlled Release</i> , <b>2014</b> , 196, 332-43	11.7	63
199	A Monte Carlo track structure code for electrons (approximately 10 eV-10 keV) and protons (approximately 0.3-10 MeV) in water: partitioning of energy and collision events. <i>Physics in Medicine and Biology</i> , <b>2000</b> , 45, 3171-94	3.8	62
198	Nanoparticles functionalized with recombinant single chain Fv antibody fragments (scFv) for the magnetic resonance imaging of cancer cells. <i>Biomaterials</i> , <b>2010</b> , 31, 1307-15	15.6	61
197	Graphene oxide: A growth factor delivery carrier to enhance chondrogenic differentiation of human mesenchymal stem cells in 3D hydrogels. <i>Acta Biomaterialia</i> , <b>2019</b> , 96, 271-280	10.8	58
196	Therapeutics, imaging and toxicity of nanomaterials in the central nervous system. <i>Journal of Controlled Release</i> , <b>2012</b> , 161, 290-306	11.7	58
195	Detection of Endotoxin Contamination of Graphene Based Materials Using the TNF- $\alpha$ Expression Test and Guidelines for Endotoxin-Free Graphene Oxide Production. <i>PLoS ONE</i> , <b>2016</b> , 11, e0166816	3.7	58
194	Live Imaging of Label-Free Graphene Oxide Reveals Critical Factors Causing Oxidative-Stress-Mediated Cellular Responses. <i>ACS Nano</i> , <b>2018</b> , 12, 1373-1389	16.7	54
193	The Effects of Extensive Glomerular Filtration of Thin Graphene Oxide Sheets on Kidney Physiology. <i>ACS Nano</i> , <b>2016</b> , 10, 10753-10767	16.7	54
192	Design, engineering and structural integrity of electro-responsive carbon nanotube-based hydrogels for pulsatile drug release. <i>Journal of Materials Chemistry B</i> , <b>2013</b> , 1, 4593-4600	7.3	52
191	Degradation-by-design: Surface modification with functional substrates that enhance the enzymatic degradation of carbon nanotubes. <i>Biomaterials</i> , <b>2015</b> , 72, 20-8	15.6	50
190	Covalent chemical functionalization enhances the biodegradation of graphene oxide. <i>2D Materials</i> , <b>2018</b> , 5, 015020	5.9	50
189	Graphene for multi-functional synthetic biology: the last Reizgeist in nanomedicine. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2014</b> , 24, 1638-49	2.9	50
188	How do functionalized carbon nanotubes land on, bind to and pierce through model and plasma membranes. <i>Nanoscale</i> , <b>2013</b> , 5, 10242-50	7.7	49
187	Doxorubicin-loaded lipid-quantum dot hybrids: surface topography and release properties. <i>International Journal of Pharmaceutics</i> , <b>2011</b> , 416, 443-7	6.5	49

186	Blood circulation and tissue biodistribution of lipid-quantum dot (L-QD) hybrid vesicles intravenously administered in mice. <i>Bioconjugate Chemistry</i> , <b>2009</b> , 20, 1696-702	6.3	49
185	Preparation of Narrow Size Distribution Silica Particles Using Microemulsions. <i>Langmuir</i> , <b>1997</b> , 13, 6400-6406	4	49
184	Multifunctionalised cationic fullerene adducts for gene transfer: design, synthesis and DNA complexation. <i>Chemical Communications</i> , <b>2007</b> , 3762-4	5.8	49
183	Cytokine Profiling of Primary Human Macrophages Exposed to Endotoxin-Free Graphene Oxide: Size-Independent NLRP3 Inflammasome Activation. <i>Advanced Healthcare Materials</i> , <b>2018</b> , 7, 1700815	10.1	48
182	Thickness of functionalized graphene oxide sheets plays critical role in tissue accumulation and urinary excretion: A pilot PET/CT study. <i>Applied Materials Today</i> , <b>2016</b> , 4, 24-30	6.6	48
181	Carbon nanotubes: on the road to deliver. <i>Current Drug Delivery</i> , <b>2005</b> , 2, 253-9	3.2	48
180	Formation of protein corona in vivo affects drug release from temperature-sensitive liposomes. <i>Journal of Controlled Release</i> , <b>2018</b> , 276, 157-167	11.7	47
179	The relationship between the diameter of chemically-functionalized multi-walled carbon nanotubes and their organ biodistribution profiles in vivo. <i>Biomaterials</i> , <b>2014</b> , 35, 9517-28	15.6	47
178	Design of Cationic Multiwalled Carbon Nanotubes as Efficient siRNA Vectors for Lung Cancer Xenograft Eradication. <i>Bioconjugate Chemistry</i> , <b>2015</b> , 26, 1370-9	6.3	47
177	The alluring potential of functionalized carbon nanotubes in drug discovery. <i>Expert Opinion on Drug Discovery</i> , <b>2010</b> , 5, 691-707	6.2	47
176	Graphene materials as 2D non-viral gene transfer vector platforms. <i>Gene Therapy</i> , <b>2017</b> , 24, 123-132	4	46
175	A blueprint for the synthesis and characterisation of thin graphene oxide with controlled lateral dimensions for biomedicine. <i>2D Materials</i> , <b>2018</b> , 5, 035020	5.9	46
174	Autophagy and formation of tubulovesicular autophagosomes provide a barrier against nonviral gene delivery. <i>Autophagy</i> , <b>2013</b> , 9, 667-82	10.2	46
173	Cytotoxic assessment of carbon nanotube interaction with cell cultures. <i>Methods in Molecular Biology</i> , <b>2011</b> , 726, 299-312	1.4	46
172	Nanoengineering artificial lipid envelopes around adenovirus by self-assembly. <i>ACS Nano</i> , <b>2008</b> , 2, 1040-50.7	5.7	46
171	Interfacing Functionalized Carbon Nanohorns with Primary Phagocytic Cells. <i>Advanced Materials</i> , <b>2008</b> , 20, 2421-2426	24	46
170	Luminescence of Functionalized Carbon Nanotubes as a Tool to Monitor Bundle Formation and Dissociation in Water: The Effect of Plasmid-DNA Complexation. <i>Advanced Functional Materials</i> , <b>2006</b> , 16, 1839-1846	15.6	46
169	Grouping all carbon nanotubes into a single substance category is scientifically unjustified. <i>Nature Nanotechnology</i> , <b>2020</b> , 15, 164	28.7	45



168	Induced pluripotent stem (iPS) cells: a new source for cell-based therapeutics?. <i>Journal of Controlled Release</i> , <b>2014</b> , 185, 37-44	11.7	45
167	Application of carbon nanotubes in neurology: clinical perspectives and toxicological risks. <i>Archives of Toxicology</i> , <b>2012</b> , 86, 1009-20	5.8	45
166	Intracellular degradation of chemically functionalized carbon nanotubes using a long-term primary microglial culture model. <i>Nanoscale</i> , <b>2016</b> , 8, 590-601	7.7	44
165	Kinetics of functionalised carbon nanotube distribution in mouse brain after systemic injection: Spatial to ultra-structural analyses. <i>Journal of Controlled Release</i> , <b>2016</b> , 224, 22-32	11.7	44
164	A novel scavenging tool for cancer biomarker discovery based on the blood-circulating nanoparticle protein corona. <i>Biomaterials</i> , <b>2019</b> , 188, 118-129	15.6	43
163	Artificial envelopment of nonenveloped viruses: enhancing adenovirus tumor targeting in vivo. <i>FASEB Journal</i> , <b>2008</b> , 22, 3389-402	0.9	42
162	The current graphene safety landscape--a literature mining exercise. <i>Nanoscale</i> , <b>2015</b> , 7, 6432-5	7.7	41
161	Ammonium and guanidinium dendron-carbon nanotubes by amidation and click chemistry and their use for siRNA delivery. <i>Small</i> , <b>2013</b> , 9, 3610-9	11	41
160	Engineering lipid vesicles of enhanced intratumoral transport capabilities: correlating liposome characteristics with penetration into human prostate tumor spheroids. <i>Journal of Liposome Research</i> , <b>2005</b> , 15, 15-27	6.1	41
159	Banning carbon nanotubes would be scientifically unjustified and damaging to innovation. <i>Nature Nanotechnology</i> , <b>2020</b> , 15, 164-166	28.7	40
158	An analytic dosimetry study for the use of radionuclide-liposome conjugates in internal radiotherapy. <i>Journal of Nuclear Medicine</i> , <b>2001</b> , 42, 499-504	8.9	40
157	Gadolinium-functionalised multi-walled carbon nanotubes as a T 1 contrast agent for MRI cell labelling and tracking. <i>Carbon</i> , <b>2016</b> , 97, 126-133	10.4	39
156	Efficient receptor-independent intracellular translocation of aptamers mediated by conjugation to carbon nanotubes. <i>Chemical Communications</i> , <b>2010</b> , 46, 7379-81	5.8	39
155	Biodegradation of carbon nanohorns in macrophage cells. <i>Nanoscale</i> , <b>2015</b> , 7, 2834-40	7.7	38
154	Hemotoxicity of carbon nanotubes. <i>Advanced Drug Delivery Reviews</i> , <b>2013</b> , 65, 2127-34	18.5	37
153	Nanoscale nights of COVID-19. <i>Nature Nanotechnology</i> , <b>2020</b> , 15, 343-344	28.7	36
152	Graphene Oxide Elicits Membrane Lipid Changes and Neutrophil Extracellular Trap Formation. <i>CheM</i> , <b>2018</b> , 4, 334-358	16.2	35
151	Antibody covalent immobilization on carbon nanotubes and assessment of antigen binding. <i>Small</i> , <b>2011</b> , 7, 2179-87	11	35

150	Construction of nanoscale multicompartiment liposomes for combinatory drug delivery. <i>International Journal of Pharmaceutics</i> , <b>2007</b> , 331, 182-5	6.5	35
149	Multifunctional carbon nanomaterial hybrids for magnetic manipulation and targeting. <i>Biochemical and Biophysical Research Communications</i> , <b>2015</b> , 468, 454-62	3.4	34
148	In vivo cell reprogramming towards pluripotency by virus-free overexpression of defined factors. <i>PLoS ONE</i> , <b>2013</b> , 8, e54754	3.7	34
147	Polyamine functionalized carbon nanotubes: synthesis, characterization, cytotoxicity and siRNA binding. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 4850		34
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