

# Alberto Bianco

## List of Publications by Year in Descending Order

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

154 papers	14,033 citations	49 h-index	118 g-index
165 ext. papers	15,811 ext. citations	10.3 avg, IF	6.65 L-index

#	Paper	IF	Citations
154	Design of a graphene oxide-BODIPY conjugate for glutathione depletion and photodynamic therapy. <i>2D Materials</i> , <b>2022</b> , 9, 015038	5.9	1
153	Controlling covalent chemistry on graphene oxide. <i>Nature Reviews Physics</i> , <b>2022</b> , 4, 247-262	23.6	7
152	Multifunctional Carbon Nanodots: Enhanced Near-Infrared Photosensitizing, Photothermal Activity, and Body Clearance. <i>Small Science</i> , <b>2022</b> , 2, 2100082		2
151	2D Materials and Primary Human Dendritic Cells: A Comparative Cytotoxicity Study.. <i>Small</i> , <b>2022</b> , e2107652	6.52	0
150	Aromatic Dipeptide Homologue-Based Hydrogels for Photocontrolled Drug Release. <i>Nanomaterials</i> , <b>2022</b> , 12, 1643	5.4	1
149	Hazard assessment of abraded thermoplastic composites reinforced with reduced graphene oxide. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 435, 129053	12.8	2
148	Mechanics of Biosurfactant Aided Liquid Phase Exfoliation of 2D Materials. <i>Forces in Mechanics</i> , <b>2022</b> , 100098	1.5	
147	A glutathione responsive nanoplatfrom made of reduced graphene oxide and MnO <sub>2</sub> nanoparticles for photothermal and chemodynamic combined therapy. <i>Carbon</i> , <b>2021</b> , 178, 783-791	10.4	14
146	Lateral dimension and amino-functionalization on the balance to assess the single-cell toxicity of graphene on fifteen immune cell types.. <i>NanoImpact</i> , <b>2021</b> , 23, 100330	5.6	1
145	Nanobiosensor Reports on CDK1 Kinase Activity in Tumor Xenografts in Mice. <i>Small</i> , <b>2021</b> , 17, e2007177	11.1	1
144	Gadolinium-Incorporated Carbon Nanodots for T1-Weighted Magnetic Resonance Imaging. <i>ACS Applied Nano Materials</i> , <b>2021</b> , 4, 1467-1477	5.6	7
143	Reaction between Graphene Oxide and Intracellular Glutathione Affects Cell Viability and Proliferation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 3528-3535	9.5	6
142	Graphene: A Disruptive Opportunity for COVID-19 and Future Pandemics?. <i>Advanced Materials</i> , <b>2021</b> , 33, e2007847	24	16
141	How macrophages respond to two-dimensional materials: a critical overview focusing on toxicity. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , <b>2021</b> , 56, 333-356	2.2	3
140	Targeting B Lymphocytes Using Protein-Functionalized Graphene Oxide. <i>Advanced NanoBiomed Research</i> , <b>2021</b> , 1, 2100060	0	2
139	Recent Advances in 2D Material-Mediated Immuno-Combined Cancer Therapy. <i>Small</i> , <b>2021</b> , 17, e2102557	11.1	5
138	Boron Nitride Nanosheets Can Induce Water Channels Across Lipid Bilayers Leading to Lysosomal Permeabilization. <i>Advanced Materials</i> , <b>2021</b> , 33, e2103137	24	5

137	Covalent double functionalization of graphene oxide for proton conductive and redox-active functions. <i>Applied Materials Today</i> , <b>2021</b> , 24, 101120	6.6	3
136	The impact of graphene oxide sheet lateral dimensions on their pharmacokinetic and tissue distribution profiles in mice. <i>Journal of Controlled Release</i> , <b>2021</b> , 338, 330-340	11.7	3
135	Biodegradation of graphene materials catalyzed by human eosinophil peroxidase. <i>Faraday Discussions</i> , <b>2021</b> , 227, 189-203	3.6	12
134	Intracerebral Injection of Graphene Oxide Nanosheets Mitigates Microglial Activation Without Inducing Acute Neurotoxicity: A Pilot Comparison to Other Nanomaterials. <i>Small</i> , <b>2020</b> , 16, e2004029	11	7
133	Graphene, other carbon nanomaterials and the immune system: toward nanoimmunity-by-design. <i>JPhys Materials</i> , <b>2020</b> , 3, 034009	4.2	20
132	Size-Dependent Pulmonary Impact of Thin Graphene Oxide Sheets in Mice: Toward Safe-by-Design. <i>Advanced Science</i> , <b>2020</b> , 7, 1903200	13.6	19
131	Kinetics of H-C multiple-contact cross-polarization as a powerful tool to determine the structure and dynamics of complex materials: application to graphene oxide. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 12209-12227	3.6	7
130	Single-Cell Analysis: Toward High-Dimensional Single-Cell Analysis of Graphene Oxide Biological Impact: Tracking on Immune Cells by Single-Cell Mass Cytometry (Small 21/2020). <i>Small</i> , <b>2020</b> , 16, 2070117	11	1
129	Carbon Nanomaterials Applied for the Treatment of Inflammatory Diseases: Preclinical Evidence. <i>Advanced Therapeutics</i> , <b>2020</b> , 3, 2000051	4.9	4
128	Controlled functionalization of carbon nanodots for targeted intracellular production of reactive oxygen species. <i>Nanoscale Horizons</i> , <b>2020</b> , 5, 1240-1249	10.8	19
127	Banning carbon nanotubes would be scientifically unjustified and damaging to innovation. <i>Nature Nanotechnology</i> , <b>2020</b> , 15, 164-166	28.7	40
126	Degradation of Structurally Defined Graphene Nanoribbons by Myeloperoxidase and the Photo-Fenton Reaction. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 18515-18521	16.4	15
125	Few Layer Graphene Does Not Affect Cellular Homeostasis of Mouse Macrophages. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	11
124	Strategies for the Controlled Covalent Double Functionalization of Graphene Oxide. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 6591-6598	4.8	13
123	Neutron-irradiated antibody-functionalised carbon nanocapsules for targeted cancer radiotherapy. <i>Carbon</i> , <b>2020</b> , 162, 410-422	10.4	12
122	Carbon science perspective in 2020: Current research and future challenges. <i>Carbon</i> , <b>2020</b> , 161, 373-391	10.4	35
121	Synthesis and Characterization of Adamantane-Containing Heteropeptides with a Chirality Switch. <i>European Journal of Organic Chemistry</i> , <b>2020</b> , 2020, 815-820	3.2	
120	Production and processing of graphene and related materials. <i>2D Materials</i> , <b>2020</b> , 7, 022001	5.9	179

119	Toward High-Dimensional Single-Cell Analysis of Graphene Oxide Biological Impact: Tracking on Immune Cells by Single-Cell Mass Cytometry. <i>Small</i> , <b>2020</b> , 16, e2000123	11	5
118	Rational Chemical Multifunctionalization of Graphene Interface Enhances Targeted Cancer Therapy. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 14138-14143	3.6	6
117	A Flexible Method for Covalent Double Functionalization of Graphene Oxide. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 1542-1547	16.4	30
116	Hybrid Interfaces Made of Nanotubes and Backbone-Altered Dipeptides Tune Neuronal Network Architecture. <i>ACS Chemical Neuroscience</i> , <b>2020</b> , 11, 162-172	5.7	5
115	A Flexible Method for Covalent Double Functionalization of Graphene Oxide. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 1558-1563	3.6	6
114	Neutron Activated Sm Sealed in Carbon Nanocapsules for Imaging and Tumor Radiotherapy. <i>ACS Nano</i> , <b>2020</b> , 14, 129-141	16.7	23
113	A closer look at the genotoxicity of graphene based materials. <i>JPhys Materials</i> , <b>2020</b> , 3, 014007	4.2	7
112	Toxicological evaluation of highly water dispersible few-layer graphene in vivo. <i>Carbon</i> , <b>2020</b> , 170, 347-360	16.4	6
111	Hard Nanomaterials in Time of Viral Pandemics. <i>ACS Nano</i> , <b>2020</b> , 14, 9364-9388	16.7	43
110	Degradation of Structurally Defined Graphene Nanoribbons by Myeloperoxidase and the Photo-Fenton Reaction. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 18673-18679	3.6	0
109	Two-Dimensional Material-Based Biosensors for Virus Detection. <i>ACS Sensors</i> , <b>2020</b> , 5, 3739-3769	9.2	36
108	Degradation-by-design: how chemical functionalization enhances the biodegradability and safety of 2D materials. <i>Chemical Society Reviews</i> , <b>2020</b> , 49, 6224-6247	58.5	28
107	Is carboxylation an efficient method for graphene oxide functionalization?. <i>Nanoscale Advances</i> , <b>2020</b> , 2, 4085-4092	5.1	6
106	Comparative Effects of Graphene and Molybdenum Disulfide on Human Macrophage Toxicity. <i>Small</i> , <b>2020</b> , 16, e2002194	11	15
105	Nose-to-Brain Translocation and Cerebral Biodegradation of Thin Graphene Oxide Nanosheets. <i>Cell Reports Physical Science</i> , <b>2020</b> , 1, 100176	6.1	8
104	Partial Reversibility of the Cytotoxic Effect Induced by Graphene-Based Materials in Skin Keratinocytes. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	3
103	Innenrücktitelbild: Rational Chemical Multifunctionalization of Graphene Interface Enhances Targeted Cancer Therapy (Angew. Chem. 33/2020). <i>Angewandte Chemie</i> , <b>2020</b> , 132, 14267-14267	3.6	
102	Rational Chemical Multifunctionalization of Graphene Interface Enhances Targeted Cancer Therapy. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 14034-14039	16.4	14

101	Improved Biocompatibility of Amino-Functionalized Graphene Oxide in <i>Caenorhabditis elegans</i> . <i>Small</i> , <b>2019</b> , 15, e1902699	11	16
100	"Ultramixing": A Simple and Effective Method To Obtain Controlled and Stable Dispersions of Graphene Oxide in Cell Culture Media. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 7695-7702	9.5	25
99	Chemical Functionalization of Nanodiamonds: Opportunities and Challenges Ahead. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 17918-17929	16.4	40
98	Few layer graphene does not affect the function and the autophagic activity of primary lymphocytes. <i>Nanoscale</i> , <b>2019</b> , 11, 10493-10503	7.7	4
97	Biocompatibility and biodegradability of 2D materials: graphene and beyond. <i>Chemical Communications</i> , <b>2019</b> , 55, 5540-5546	5.8	108
96	Protected Amino Acid-Based Hydrogels Incorporating Carbon Nanomaterials for Near-Infrared Irradiation-Triggered Drug Release. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 13147-13157	9.5	14
95	Graphene Oxide Flakes Tune Excitatory Neurotransmission in Vivo by Targeting Hippocampal Synapses. <i>Nano Letters</i> , <b>2019</b> , 19, 2858-2870	11.5	26
94	Stimulation of bone formation by monocyte-activator functionalized graphene oxide in vivo. <i>Nanoscale</i> , <b>2019</b> , 11, 19408-19421	7.7	18
93	A Straightforward Approach to Multifunctional Graphene. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 13218-13223	18.1	23
92	A Biodegradable Multifunctional Graphene Oxide Platform for Targeted Cancer Therapy. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1901761	15.6	30
91	Chemical Functionalization of Nanodiamonds: Opportunities and Challenges Ahead. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 18084-18095	3.6	7
90	Enzymatic Degradation of Graphene Quantum Dots by Human Peroxidases. <i>Small</i> , <b>2019</b> , 15, e1905405	11	28
89	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
88	A carbon science perspective in 2018: Current achievements and future challenges. <i>Carbon</i> , <b>2018</b> , 132, 785-801	10.4	59
87	Graphene oxide size and oxidation degree govern its supramolecular interactions with siRNA. <i>Nanoscale</i> , <b>2018</b> , 10, 5965-5974	7.7	20
86	Covalent chemical functionalization enhances the biodegradation of graphene oxide. <i>2D Materials</i> , <b>2018</b> , 5, 015020	5.9	50
85	Fluorescent-fipronil: Design and synthesis of a stable conjugate. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2018</b> , 28, 2631-2635	2.9	1
84	Degradation of Single-Layer and Few-Layer Graphene by Neutrophil Myeloperoxidase. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 11896-11901	3.6	9

83	Degradation of Single-Layer and Few-Layer Graphene by Neutrophil Myeloperoxidase. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 11722-11727	16.4	91
82	Controlled derivatization of hydroxyl groups of graphene oxide in mild conditions. <i>2D Materials</i> , <b>2018</b> , 5, 035037	5.9	29
81	Immunological impact of graphene oxide sheets in the abdominal cavity is governed by surface reactivity. <i>Archives of Toxicology</i> , <b>2018</b> , 92, 3359-3379	5.8	17
80	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
79	Peroxidase mimicking DNAzymes degrade graphene oxide. <i>Nanoscale</i> , <b>2018</b> , 10, 19316-19321	7.7	17
78	How can nanotechnology help the fight against breast cancer?. <i>Nanoscale</i> , <b>2018</b> , 10, 11719-11731	7.7	33
77	Enzymatic Biodegradability of Pristine and Functionalized Transition Metal Dichalcogenide MoS <sub>2</sub> Nanosheets. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1605176	15.6	81
76	Few-Layer Graphene Kills Selectively Tumor Cells from Myelomonocytic Leukemia Patients. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 3014-3019	16.4	48
75	Evaluation of the immunological profile of antibody-functionalized metal-filled single-walled carbon nanocapsules for targeted radiotherapy. <i>Scientific Reports</i> , <b>2017</b> , 7, 42605	4.9	8
74	Intracellular degradation of functionalized carbon nanotube/iron oxide hybrids is modulated by iron via Nrf2 pathway. <i>Scientific Reports</i> , <b>2017</b> , 7, 40997	4.9	16
73	Few-Layer Graphene Kills Selectively Tumor Cells from Myelomonocytic Leukemia Patients. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 3060-3065	3.6	5
72	Direct visualization of carbon nanotube degradation in primary cells by photothermal imaging. <i>Nanoscale</i> , <b>2017</b> , 9, 4642-4645	7.7	23
71	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
70	Tumor Stiffening, a Key Determinant of Tumor Progression, is Reversed by Nanomaterial-Induced Photothermal Therapy. <i>Theranostics</i> , <b>2017</b> , 7, 329-343	12.1	45
69	Promises, facts and challenges for graphene in biomedical applications. <i>Chemical Society Reviews</i> , <b>2017</b> , 46, 4400-4416	58.5	415
68	Elucidation of siRNA complexation efficiency by graphene oxide and reduced graphene oxide. <i>Carbon</i> , <b>2017</b> , 122, 643-652	10.4	21
67	Designing multimodal carbon nanotubes by covalent multi-functionalization. <i>Nanoscale</i> , <b>2016</b> , 8, 18596-18611	18.6	41
66	White Graphene undergoes Peroxidase Degradation. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 5506-11	16.4	51

65	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
64	A comparative study on the enzymatic biodegradability of covalently functionalized double- and multi-walled carbon nanotubes. <i>Carbon</i> , <b>2016</b> , 100, 367-374	10.4	22
63	Design of antibody-functionalized carbon nanotubes filled with radioactivable metals towards a targeted anticancer therapy. <i>Nanoscale</i> , <b>2016</b> , 8, 12626-38	7.7	24
62	Radiolabeling, whole-body single photon emission computed tomography/computed tomography imaging, and pharmacokinetics of carbon nanohorns in mice. <i>International Journal of Nanomedicine</i> , <b>2016</b> , 11, 3317-30	7.3	8
61	Biomedical Uses for 2D Materials Beyond Graphene: Current Advances and Challenges Ahead. <i>Advanced Materials</i> , <b>2016</b> , 28, 6052-74	24	266
60	White Graphene undergoes Peroxidase Degradation. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 5596-5601	3.6	14
59	Chemical reactivity of graphene oxide towards amines elucidated by solid-state NMR. <i>Nanoscale</i> , <b>2016</b> , 8, 13714-13721	7.7	93
58	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
57	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
56	Graphene and the immune system: Challenges and potentiality. <i>Advanced Drug Delivery Reviews</i> , <b>2016</b> , 105, 163-175	18.5	81
55	Examining the impact of multi-layer graphene using cellular and amphibian models. <i>2D Materials</i> , <b>2016</b> , 3, 025009	5.9	16
54	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
53	Dispersibility-Dependent Biodegradation of Graphene Oxide by Myeloperoxidase. <i>Small</i> , <b>2015</b> , 11, 3985-94	14	176
52	Self-assembly of diphenylalanine backbone homologues and their combination with functionalized carbon nanotubes. <i>Nanoscale</i> , <b>2015</b> , 7, 15873-9	7.7	29
51	Carbon Nanotube Degradation in Macrophages: Live Nanoscale Monitoring and Understanding of Biological Pathway. <i>ACS Nano</i> , <b>2015</b> , 9, 10113-24	16.7	119
50	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
49	Multifunctional adamantane derivatives as new scaffolds for the multipresentation of bioactive peptides. <i>Journal of Peptide Science</i> , <b>2015</b> , 21, 330-45	2.1	28
48	Carbon nanomaterials combined with metal nanoparticles for theranostic applications. <i>British Journal of Pharmacology</i> , <b>2015</b> , 172, 975-91	8.6	65

47	Science and technology roadmap for graphene, related two-dimensional crystals, and hybrid systems. <i>Nanoscale</i> , <b>2015</b> , 7, 4598-810	7.7	2015
46	Controlled Chemical Derivatisation of Carbon Nanotubes with Imaging, Targeting, and Therapeutic Capabilities. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 14886-92	4.8	16
45	Self-Assembly of Tyrosine into Controlled Supramolecular Nanostructures. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 11681-6	4.8	46
44	Graphene as cancer theranostic tool: progress and future challenges. <i>Theranostics</i> , <b>2015</b> , 5, 710-23	12.1	203
43	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
42	Covalent Functionalization of Multi-walled Carbon Nanotubes with a Gadolinium Chelate for Efficient T1-Weighted Magnetic Resonance Imaging. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, n/a-n/a	15.6	11
41	Immunomodulatory properties of carbon nanotubes are able to compensate immune function dysregulation caused by microgravity conditions. <i>Nanoscale</i> , <b>2014</b> , 6, 9599-603	7.7	15
40	Impact of carbon nanotubes and graphene on immune cells. <i>Journal of Translational Medicine</i> , <b>2014</b> , 12, 138	8.5	87
39	Classification framework for graphene-based materials. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 7714-8	16.4	287
38	Adamantane-based dendrons for trimerization of the therapeutic P140 peptide. <i>Biomaterials</i> , <b>2014</b> , 35, 7553-61	15.6	16
37	Carbon nanomaterials as new tools for immunotherapeutic applications. <i>Journal of Materials Chemistry B</i> , <b>2014</b> , 2, 6144-6156	7.3	32
36	The perception of nanotechnology and nanomedicine: a worldwide social media study. <i>Nanomedicine</i> , <b>2014</b> , 9, 1475-86	5.6	31
35	Endowing carbon nanotubes with biological and biomedical properties by chemical modifications. <i>Advanced Drug Delivery Reviews</i> , <b>2013</b> , 65, 1899-920	18.5	169
34	Asbestos-like Pathogenicity of Long Carbon Nanotubes Alleviated by Chemical Functionalization. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 2330-2334	3.6	9
33	Evidencing the mask effect of graphene oxide: a comparative study on primary human and murine phagocytic cells. <i>Nanoscale</i> , <b>2013</b> , 5, 11234-47	7.7	146
32	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
31	Graphene-based nanomaterials for nanobiotechnology and biomedical applications. <i>Nanomedicine</i> , <b>2013</b> , 8, 1669-88	5.6	86
30	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

29	Graphene: safe or toxic? The two faces of the medal. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 4986-97	16.4	446
28	Functionalized carbon nanotubes as immunomodulator systems. <i>Biomaterials</i> , <b>2013</b> , 34, 4395-403	15.6	98
27	Graphen: sicher oder toxisch?. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 5086-5098	3.6	14
26	Innentitelbild: Asbestos-like Pathogenicity of Long Carbon Nanotubes Alleviated by Chemical Functionalization (Angew. Chem. 8/2013). <i>Angewandte Chemie</i> , <b>2013</b> , 125, 2184-2184	3.6	1
25	Enhancement of anti-inflammatory drug activity by multivalent adamantane-based dendrons. <i>Biomaterials</i> , <b>2012</b> , 33, 5610-7	15.6	26
24	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
23	Degree of Chemical Functionalization of Carbon Nanotubes Determines Tissue Distribution and Excretion Profile. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 6495-6499	3.6	7
22	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
21	Ex vivo impact of functionalized carbon nanotubes on human immune cells. <i>Nanomedicine</i> , <b>2012</b> , 7, 231-436	4.36	67
20	Multifunctionalized carbon nanotubes as advanced multimodal nanomaterials for biomedical applications. <i>Nanotechnology Reviews</i> , <b>2012</b> , 1, 17-29	6.3	30
19	Functionalized multiwalled carbon nanotubes as ultrasound contrast agents. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 16612-7	11.5	125
18	Insertion of short amino-functionalized single-walled carbon nanotubes into phospholipid bilayer occurs by passive diffusion. <i>PLoS ONE</i> , <b>2012</b> , 7, e40703	3.7	57
17	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
16	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
15	Making carbon nanotubes biocompatible and biodegradable. <i>Chemical Communications</i> , <b>2011</b> , 47, 10182-8	5.8	282
14	Fullerene C <sub>60</sub> as a multifunctional system for drug and gene delivery. <i>Nanoscale</i> , <b>2011</b> , 3, 4035-41	7.7	220
13	Formation of Efficient Catalytic Silver Nanoparticles on Carbon Nanotubes by Adenine Functionalization. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 10067-10071	3.6	7
12	One-pot triple functionalization of carbon nanotubes. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 3222-7	4.8	47

11	HYDRAMers: design, synthesis and characterization of different generation novel Hydra-like dendrons based on multifunctionalized adamantane. <i>Chemical Communications</i> , <b>2011</b> , 47, 8955-7	5.8	21
10	Oxidative biodegradation of single- and multi-walled carbon nanotubes. <i>Nanoscale</i> , <b>2011</b> , 3, 893-6	7.7	145
9	Potentiometric titration as a straightforward method to assess the number of functional groups on shortened carbon nanotubes. <i>Carbon</i> , <b>2010</b> , 48, 2447-2454	10.4	46
8	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
7	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
6	Functionalized Carbon Nanotubes Are Non-Cytotoxic and Preserve the Functionality of Primary Immune Cells. <i>Nano Letters</i> , <b>2006</b> , 6, 3003-3003	11.5	32
5	Functionalized carbon nanotubes for plasmid DNA gene delivery. <i>Angewandte Chemie - International Edition</i> , <b>2004</b> , 43, 5242-6	16.4	871
4	Functionalized Carbon Nanotubes for Plasmid DNA Gene Delivery. <i>Angewandte Chemie</i> , <b>2004</b> , 116, 5354-5358	16.4	119
3	Immunization with peptide-functionalized carbon nanotubes enhances virus-specific neutralizing antibody responses. <i>Chemistry and Biology</i> , <b>2003</b> , 10, 961-6		404
2	Synthesis, structural characterization, and immunological properties of carbon nanotubes functionalized with peptides. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 6160-4	16.4	447
1	Amino acid functionalisation of water soluble carbon nanotubes. <i>Chemical Communications</i> , <b>2002</b> , 3050-1	15.8	265