Alberto Bianco

List of Publications by Citations

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	Science and technology roadmap for graphene, related two-dimensional crystals, and hybrid systems. *Nanoscale*, **2015**, 7, 4598-810	7.7	2015
153	Cellular uptake of functionalized carbon nanotubes is independent of functional group and cell type. *Nature Nanotechnology*, **2007**, 2, 108-13	28.7	933
152	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, 3357-62	11.5	903
151	Functionalized carbon nanotubes for plasmid DNA gene delivery. *Angewandte Chemie - International Edition*, **2004**, 43, 5242-6	16.4	871
150	Synthesis, structural characterization, and immunological properties of carbon nanotubes functionalized with peptides. *Journal of the American Chemical Society*, **2003**, 125, 6160-4	16.4	447
149	Graphene: safe or toxic? The two faces of the medal. *Angewandte Chemie - International Edition*, **2013**, 52, 4986-97	16.4	446
148	Promises, facts and challenges for graphene in biomedical applications. *Chemical Society Reviews*, **2017**, 46, 4400-4416	58.5	415
147	Immunization with peptide-functionalized carbon nanotubes enhances virus-specific neutralizing antibody responses. *Chemistry and Biology*, **2003**, 10, 961-6		404
146	Safety Assessment of Graphene-Based Materials: Focus on Human Health and the Environment. *ACS Nano*, **2018**, 12, 10582-10620	16.7	292
145	Classification framework for graphene-based materials. *Angewandte Chemie - International Edition*, **2014**, 53, 7714-8	16.4	287
144	Making carbon nanotubes biocompatible and biodegradable. *Chemical Communications*, **2011**, 47, 10182-88	5.8	282
143	Biomedical Uses for 2D Materials Beyond Graphene: Current Advances and Challenges Ahead. *Advanced Materials*, **2016**, 28, 6052-74	24	266
142	Amino acid functionalisation of water soluble carbon nanotubes. *Chemical Communications*, **2002**, 3050-1	5.8	265
141	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, 2587-600	5.8	242
140	Fullerene C□as a multifunctional system for drug and gene delivery. *Nanoscale*, **2011**, 3, 4035-41	7.7	220
139	Graphene as cancer theranostic tool: progress and future challenges. *Theranostics*, **2015**, 5, 710-23	12.1	203
138	Production and processing of graphene and related materials. *2D Materials*, **2020**, 7, 022001	5.9	179

137	Dispersibility-Dependent Biodegradation of Graphene Oxide by Myeloperoxidase. *Small*, **2015**, 11, 3985-94	11	176
136	Endowing carbon nanotubes with biological and biomedical properties by chemical modifications. *Advanced Drug Delivery Reviews*, **2013**, 65, 1899-920	18.5	169
135	Evidencing the mask effect of graphene oxide: a comparative study on primary human and murine phagocytic cells. *Nanoscale*, **2013**, 5, 11234-47	7.7	146
134	Oxidative biodegradation of single- and multi-walled carbon nanotubes. *Nanoscale*, **2011**, 3, 893-6	7.7	145
133	Asbestos-like pathogenicity of long carbon nanotubes alleviated by chemical functionalization. *Angewandte Chemie - International Edition*, **2013**, 52, 2274-8	16.4	137
132	Functionalized multiwalled carbon nanotubes as ultrasound contrast agents. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 16612-7	11.5	125
131	Carbon Nanotube Degradation in Macrophages: Live Nanoscale Monitoring and Understanding of Biological Pathway. *ACS Nano*, **2015**, 9, 10113-24	16.7	119
130	Functionalized Carbon Nanotubes for Plasmid DNA Gene Delivery. *Angewandte Chemie*, **2004**, 116, 5354-5358	11	119
129	Biocompatibility and biodegradability of 2D materials: graphene and beyond. *Chemical Communications*, **2019**, 55, 5540-5546	5.8	108
128	Degree of chemical functionalization of carbon nanotubes determines tissue distribution and excretion profile. *Angewandte Chemie - International Edition*, **2012**, 51, 6389-93	16.4	103
127	Tissue distribution and urinary excretion of intravenously administered chemically functionalized graphene oxide sheets. *Chemical Science*, **2015**, 6, 3952-3964	9.4	101
126	Functionalized carbon nanotubes as immunomodulator systems. *Biomaterials*, **2013**, 34, 4395-403	15.6	98
125	Cellular uptake mechanisms of functionalised multi-walled carbon nanotubes by 3D electron tomography imaging. *Nanoscale*, **2011**, 3, 2627-35	7.7	98
124	In vivo degradation of functionalized carbon nanotubes after stereotactic administration in the brain cortex. *Nanomedicine*, **2012**, 7, 1485-94	5.6	97
123	Chemical reactivity of graphene oxide towards amines elucidated by solid-state NMR. *Nanoscale*, **2016**, 8, 13714-13721	7.7	93
122	Degradation of Single-Layer and Few-Layer Graphene by Neutrophil Myeloperoxidase. *Angewandte Chemie - International Edition*, **2018**, 57, 11722-11727	16.4	91
121	Impact of carbon nanotubes and graphene on immune cells. *Journal of Translational Medicine*, **2014**, 12, 138	8.5	87
120	Graphene-based nanomaterials for nanobiotechnology and biomedical applications. *Nanomedicine*, **2013**, 8, 1669-88	5.6	86

119	Single-cell mass cytometry and transcriptome profiling reveal the impact of graphene on human immune cells. *Nature Communications*, **2017**, 8, 1109	17.4	83
118	Enzymatic Biodegradability of Pristine and Functionalized Transition Metal Dichalcogenide MoS2 Nanosheets. *Advanced Functional Materials*, **2017**, 27, 1605176	15.6	81
117	Graphene and the immune system: Challenges and potentiality. *Advanced Drug Delivery Reviews*, **2016**, 105, 163-175	18.5	81
116	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, 276-87	10.1	73
115	Ex vivo impact of functionalized carbon nanotubes on human immune cells. *Nanomedicine*, **2012**, 7, 231-43	5.6	67
114	Carbon nanomaterials combined with metal nanoparticles for theranostic applications. *British Journal of Pharmacology*, **2015**, 172, 975-91	8.6	65
113	A carbon science perspective in 2018: Current achievements and future challenges. *Carbon*, **2018**, 132, 785-801	10.4	59
112	Insertion of short amino-functionalized single-walled carbon nanotubes into phospholipid bilayer occurs by passive diffusion. *PLoS ONE*, **2012**, 7, e40703	3.7	57
111	The Effects of Extensive Glomerular Filtration of Thin Graphene Oxide Sheets on Kidney Physiology. *ACS Nano*, **2016**, 10, 10753-10767	16.7	54
110	White Graphene undergoes Peroxidase Degradation. *Angewandte Chemie - International Edition*, **2016**, 55, 5506-11	16.4	51
109	Degradation-by-design: Surface modification with functional substrates that enhance the enzymatic degradation of carbon nanotubes. *Biomaterials*, **2015**, 72, 20-8	15.6	50
108	Covalent chemical functionalization enhances the biodegradation of graphene oxide. *2D Materials*, **2018**, 5, 015020	5.9	50
107	How do functionalized carbon nanotubes land on, bind to and pierce through model and plasma membranes. *Nanoscale*, **2013**, 5, 10242-50	7.7	49
106	Few-Layer Graphene Kills Selectively Tumor Cells from Myelomonocytic Leukemia Patients. *Angewandte Chemie - International Edition*, **2017**, 56, 3014-3019	16.4	48
105	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	6.6	48
104	One-pot triple functionalization of carbon nanotubes. *Chemistry - A European Journal*, **2011**, 17, 3222-7	4.8	47
103	Self-Assembly of Tyrosine into Controlled Supramolecular Nanostructures. *Chemistry - A European Journal*, **2015**, 21, 11681-6	4.8	46
102	Potentiometric titration as a straightforward method to assess the number of functional groups on shortened carbon nanotubes. *Carbon*, **2010**, 48, 2447-2454	10.4	46

101	Tumor Stiffening, a Key Determinant of Tumor Progression, is Reversed by Nanomaterial-Induced Photothermal Therapy. *Theranostics*, **2017**, 7, 329-343	12.1	45
100	Hard Nanomaterials in Time of Viral Pandemics. *ACS Nano*, **2020**, 14, 9364-9388	16.7	43
99	Designing multimodal carbon nanotubes by covalent multi-functionalization. *Nanoscale*, **2016**, 8, 18596-18611	7.7	41
98	Chemical Functionalization of Nanodiamonds: Opportunities and Challenges Ahead. *Angewandte Chemie - International Edition*, **2019**, 58, 17918-17929	16.4	40
97	Banning carbon nanotubes would be scientifically unjustified and damaging to innovation. *Nature Nanotechnology*, **2020**, 15, 164-166	28.7	40
96	Physically-triggered nanosystems based on two-dimensional materials for cancer theranostics. *Advanced Drug Delivery Reviews*, **2019**, 138, 211-232	18.5	39
95	Two-Dimensional Material-Based Biosensors for Virus Detection. *ACS Sensors*, **2020**, 5, 3739-3769	9.2	36
94	Carbon science perspective in 2020: Current research and future challenges. *Carbon*, **2020**, 161, 373-391	10.4	35
93	Multifunctional carbon nanomaterial hybrids for magnetic manipulation and targeting. *Biochemical and Biophysical Research Communications*, **2015**, 468, 454-62	3.4	34
92	How can nanotechnology help the fight against breast cancer?. *Nanoscale*, **2018**, 10, 11719-11731	7.7	33
91	Carbon nanomaterials as new tools for immunotherapeutic applications. *Journal of Materials Chemistry B*, **2014**, 2, 6144-6156	7.3	32
90	Functionalized Carbon Nanotubes Are Non-Cytotoxic and Preserve the Functionality of Primary Immune Cells. *Nano Letters*, **2006**, 6, 3003-3003	11.5	32
89	The perception of nanotechnology and nanomedicine: a worldwide social media study. *Nanomedicine*, **2014**, 9, 1475-86	5.6	31
88	A Biodegradable Multifunctional Graphene Oxide Platform for Targeted Cancer Therapy. *Advanced Functional Materials*, **2019**, 29, 1901761	15.6	30
87	Multifunctionalized carbon nanotubes as advanced multimodal nanomaterials for biomedical applications. *Nanotechnology Reviews*, **2012**, 1, 17-29	6.3	30
86	A Flexible Method for Covalent Double Functionalization of Graphene Oxide. *Angewandte Chemie - International Edition*, **2020**, 59, 1542-1547	16.4	30
85	Self-assembly of diphenylalanine backbone homologues and their combination with functionalized carbon nanotubes. *Nanoscale*, **2015**, 7, 15873-9	7.7	29
84	Controlled derivatization of hydroxyl groups of graphene oxide in mild conditions. *2D Materials*, **2018**, 5, 035037	5.9	29

83	Multifunctional adamantane derivatives as new scaffolds for the multipresentation of bioactive peptides. *Journal of Peptide Science*, **2015**, 21, 330-45	2.1	28
82	Degradation-by-design: how chemical functionalization enhances the biodegradability and safety of 2D materials. *Chemical Society Reviews*, **2020**, 49, 6224-6247	58.5	28
81	Enzymatic Degradation of Graphene Quantum Dots by Human Peroxidases. *Small*, **2019**, 15, e1905405	11	28
80	Graphene Oxide Flakes Tune Excitatory Neurotransmission in Vivo by Targeting Hippocampal Synapses. *Nano Letters*, **2019**, 19, 2858-2870	11.5	26
79	Enhancement of anti-inflammatory drug activity by multivalent adamantane-based dendrons. *Biomaterials*, **2012**, 33, 5610-7	15.6	26
78	"Ultramixing": A Simple and Effective Method To Obtain Controlled and Stable Dispersions of Graphene Oxide in Cell Culture Media. *ACS Applied Materials & Interfaces*, **2019**, 11, 7695-7702	9.5	25
77	Design of antibody-functionalized carbon nanotubes filled with radioactivable metals towards a targeted anticancer therapy. *Nanoscale*, **2016**, 8, 12626-38	7.7	24
76	Direct visualization of carbon nanotube degradation in primary cells by photothermal imaging. *Nanoscale*, **2017**, 9, 4642-4645	7.7	23
75	Neutron Activated Sm Sealed in Carbon Nanocapsules for Imaging and Tumor Radiotherapy. *ACS Nano*, **2020**, 14, 129-141	16.7	23
74	A comparative study on the enzymatic biodegradability of covalently functionalized double- and multi-walled carbon nanotubes. *Carbon*, **2016**, 100, 367-374	10.4	22
73	Elucidation of siRNA complexation efficiency by graphene oxide and reduced graphene oxide. *Carbon*, **2017**, 122, 643-652	10.4	21
72	HYDRAmers: design, synthesis and characterization of different generation novel Hydra-like dendrons based on multifunctionalized adamantane. *Chemical Communications*, **2011**, 47, 8955-7	5.8	21
71	Graphene, other carbon nanomaterials and the immune system: toward nanoimmunity-by-design. *JPhys Materials*, **2020**, 3, 034009	4.2	20
70	Graphene oxide size and oxidation degree govern its supramolecular interactions with siRNA. *Nanoscale*, **2018**, 10, 5965-5974	7.7	20
69	Size-Dependent Pulmonary Impact of Thin Graphene Oxide Sheets in Mice: Toward Safe-by-Design. *Advanced Science*, **2020**, 7, 1903200	13.6	19
68	Controlled functionalization of carbon nanodots for targeted intracellular production of reactive oxygen species. *Nanoscale Horizons*, **2020**, 5, 1240-1249	10.8	19
67	Stimulation of bone formation by monocyte-activator functionalized graphene oxide in vivo. *Nanoscale*, **2019**, 11, 19408-19421	7.7	18
66	Immunological impact of graphene oxide sheets in the abdominal cavity is governed by surface reactivity. *Archives of Toxicology*, **2018**, 92, 3359-3379	5.8	17

65	Peroxidase mimicking DNAzymes degrade graphene oxide. *Nanoscale*, **2018**, 10, 19316-19321	7.7	17
64	Intracellular degradation of functionalized carbon nanotube/iron oxide hybrids is modulated by iron via Nrf2 pathway. *Scientific Reports*, **2017**, 7, 40997	4.9	16
63	Improved Biocompatibility of Amino-Functionalized Graphene Oxide in Caenorhabditis elegans. *Small*, **2019**, 15, e1902699	11	16
62	Adamantane-based dendrons for trimerization of the therapeutic P140 peptide. *Biomaterials*, **2014**, 35, 7553-61	15.6	16
61	Controlled Chemical Derivatisation of Carbon Nanotubes with Imaging, Targeting, and Therapeutic Capabilities. *Chemistry - A European Journal*, **2015**, 21, 14886-92	4.8	16
60	Examining the impact of multi-layer graphene using cellular and amphibian models. *2D Materials*, **2016**, 3, 025009	5.9	16
59	Graphene: A Disruptive Opportunity for COVID-19 and Future Pandemics?. *Advanced Materials*, **2021**, 33, e2007847	24	16
58	Degradation of Structurally Defined Graphene Nanoribbons by Myeloperoxidase and the Photo-Fenton Reaction. *Angewandte Chemie - International Edition*, **2020**, 59, 18515-18521	16.4	15
57	Immunomodulatory properties of carbon nanotubes are able to compensate immune function dysregulation caused by microgravity conditions. *Nanoscale*, **2014**, 6, 9599-603	7.7	15
56	Comparative Effects of Graphene and Molybdenum Disulfide on Human Macrophage Toxicity. *Small* , **2020**, 16, e2002194	11	15
55	Protected Amino Acid-Based Hydrogels Incorporating Carbon Nanomaterials for Near-Infrared Irradiation-Triggered Drug Release. *ACS Applied Materials & Interfaces*, **2019**, 11, 13147-13157	9.5	14
54	Graphen: sicher oder toxisch?. *Angewandte Chemie*, **2013**, 125, 5086-5098	3.6	14
53	A glutathione responsive nanoplatform made of reduced graphene oxide and MnO2 nanoparticles for photothermal and chemodynamic combined therapy. *Carbon*, **2021**, 178, 783-791	10.4	14
52	White Graphene undergoes Peroxidase Degradation. *Angewandte Chemie*, **2016**, 128, 5596-5601	3.6	14
51	Rational Chemical Multifunctionalization of Graphene Interface Enhances Targeted Cancer Therapy. *Angewandte Chemie - International Edition*, **2020**, 59, 14034-14039	16.4	14
50	Strategies for the Controlled Covalent Double Functionalization of Graphene Oxide. *Chemistry - A European Journal*, **2020**, 26, 6591-6598	4.8	13
49	Neutron-irradiated antibody-functionalised carbon nanocapsules for targeted cancer radiotherapy. *Carbon*, **2020**, 162, 410-422	10.4	12
48	Biodegradation of graphene materials catalyzed by human eosinophil peroxidase. *Faraday Discussions*, **2021**, 227, 189-203	3.6	12

47	Few Layer Graphene Does Not Affect Cellular Homeostasis of Mouse Macrophages. *Nanomaterials*, **2020**, 10,	5.4	11
46	Covalent Functionalization of Multi-walled Carbon Nanotubes with a Gadolinium Chelate for Efficient T1-Weighted Magnetic Resonance Imaging. *Advanced Functional Materials*, **2014**, 24, n/a-n/a	15.6	11
45	Degradation of Single-Layer and Few-Layer Graphene by Neutrophil Myeloperoxidase. *Angewandte Chemie*, **2018**, 130, 11896-11901	3.6	9
44	A Straightforward Approach to Multifunctional Graphene. *Chemistry - A European Journal*, **2019**, 25, 13218-13223	4.8	9
43	Asbestos-like Pathogenicity of Long Carbon Nanotubes Alleviated by Chemical Functionalization. *Angewandte Chemie*, **2013**, 125, 2330-2334	3.6	9
42	Evaluation of the immunological profile of antibody-functionalized metal-filled single-walled carbon nanocapsules for targeted radiotherapy. *Scientific Reports*, **2017**, 7, 42605	4.9	8
41	Nose-to-Brain Translocation and Cerebral Biodegradation of Thin Graphene Oxide Nanosheets. *Cell Reports Physical Science*, **2020**, 1, 100176	6.1	8
40	Radiolabeling, whole-body single photon emission computed tomography/computed tomography imaging, and pharmacokinetics of carbon nanohorns in mice. *International Journal of Nanomedicine*, **2016**, 11, 3317-30	7.3	8
39	Intracerebral Injection of Graphene Oxide Nanosheets Mitigates Microglial Activation Without Inducing Acute Neurotoxicity: A Pilot Comparison to Other Nanomaterials. *Small*, **2020**, 16, e2004029	11	7
38	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. *Physical Chemistry Chemical Physics*, **2020**, 22, 12209-12227	3.6	7
37	Chemical Functionalization of Nanodiamonds: Opportunities and Challenges Ahead. *Angewandte Chemie*, **2019**, 131, 18084-18095	3.6	7
36	Degree of Chemical Functionalization of Carbon Nanotubes Determines Tissue Distribution and Excretion Profile. *Angewandte Chemie*, **2012**, 124, 6495-6499	3.6	7
35	Formation of Efficient Catalytic Silver Nanoparticles on Carbon Nanotubes by Adenine Functionalization. *Angewandte Chemie*, **2011**, 123, 10067-10071	3.6	7
34	A closer look at the genotoxicity of graphene based materials. *JPhys Materials*, **2020**, 3, 014007	4.2	7
33	Gadolinium-Incorporated Carbon Nanodots for T1-Weighted Magnetic Resonance Imaging. *ACS Applied Nano Materials*, **2021**, 4, 1467-1477	5.6	7
32	Controlling covalent chemistry on graphene oxide. *Nature Reviews Physics*, **2022**, 4, 247-262	23.6	7
31	Rational Chemical Multifunctionalization of Graphene Interface Enhances Targeted Cancer Therapy. *Angewandte Chemie*, **2020**, 132, 14138-14143	3.6	6
30	A Flexible Method for Covalent Double Functionalization of Graphene Oxide. *Angewandte Chemie*, **2020**, 132, 1558-1563	3.6	6

29	Toxicological evaluation of highly water dispersible few-layer graphene in vivo. *Carbon*, **2020**, 170, 347-360	10.4	6
28	Is carboxylation an efficient method for graphene oxide functionalization?. *Nanoscale Advances*, **2020**, 2, 4085-4092	5.1	6
27	Reaction between Graphene Oxide and Intracellular Glutathione Affects Cell Viability and Proliferation. *ACS Applied Materials & Interfaces*, **2021**, 13, 3528-3535	9.5	6
26	Few-Layer Graphene Kills Selectively Tumor Cells from Myelomonocytic Leukemia Patients. *Angewandte Chemie*, **2017**, 129, 3060-3065	3.6	5
25	Toward High-Dimensional Single-Cell Analysis of Graphene Oxide Biological Impact: Tracking on Immune Cells by Single-Cell Mass Cytometry. *Small*, **2020**, 16, e2000123	11	5
24	Hybrid Interfaces Made of Nanotubes and Backbone-Altered Dipeptides Tune Neuronal Network Architecture. *ACS Chemical Neuroscience*, **2020**, 11, 162-172	5.7	5
23	Recent Advances in 2D Material-Mediated Immuno-Combined Cancer Therapy. *Small*, **2021**, 17, e2102557	11	5
22	Boron Nitride Nanosheets Can Induce Water Channels Across Lipid Bilayers Leading to Lysosomal Permeabilization. *Advanced Materials*, **2021**, 33, e2103137	24	5
21	Few layer graphene does not affect the function and the autophagic activity of primary lymphocytes. *Nanoscale*, **2019**, 11, 10493-10503	7.7	4
20	Carbon Nanomaterials Applied for the Treatment of Inflammatory Diseases: Preclinical Evidence. *Advanced Therapeutics*, **2020**, 3, 2000051	4.9	4
19	Partial Reversibility of the Cytotoxic Effect Induced by Graphene-Based Materials in Skin Keratinocytes. *Nanomaterials*, **2020**, 10,	5.4	3
18	How macrophages respond to two-dimensional materials: a critical overview focusing on toxicity. *Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes*, **2021**, 56, 333-356	2.2	3
17	Covalent double functionalization of graphene oxide for proton conductive and redox-active functions. *Applied Materials Today*, **2021**, 24, 101120	6.6	3
16	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	11.7	3
15	Targeting B Lymphocytes Using Protein-Functionalized Graphene Oxide. *Advanced NanoBiomed Research*, **2021**, 1, 2100060	0	2
14	Multifunctional Carbon Nanodots: Enhanced Near-Infrared Photosensitizing, Photothermal Activity, and Body Clearance. *Small Science*, **2022**, 2, 2100082		2
13	Hazard assessment of abraded thermoplastic composites reinforced with reduced graphene oxide. *Journal of Hazardous Materials*, **2022**, 435, 129053	12.8	2
12	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). *Small*, **2020**, 16, 2070117	11	1

11	Fluorescent-fipronil: Design and synthesis of a stable conjugate. *Bioorganic and Medicinal Chemistry Letters*, **2018**, 28, 2631-2635	2.9	1
10	Innentitelbild: Asbestos-like Pathogenicity of Long Carbon Nanotubes Alleviated by Chemical Functionalization (Angew. Chem. 8/2013). *Angewandte Chemie*, **2013**, 125, 2184-2184	3.6	1
9	Design of a graphene oxide-BODIPY conjugate for glutathione depletion and photodynamic therapy. *2D Materials*, **2022**, 9, 015038	5.9	1
8	Lateral dimension and amino-functionalization on the balance to assess the single-cell toxicity of graphene on fifteen immune cell types.. *NanoImpact*, **2021**, 23, 100330	5.6	1
7	Nanobiosensor Reports on CDK1 Kinase Activity in Tumor Xenografts in Mice. *Small*, **2021**, 17, e2007177	11	1
6	Aromatic Dipeptide Homologue-Based Hydrogels for Photocontrolled Drug Release. *Nanomaterials* , **2022**, 12, 1643	5.4	1
5	Degradation of Structurally Defined Graphene Nanoribbons by Myeloperoxidase and the Photo-Fenton Reaction. *Angewandte Chemie*, **2020**, 132, 18673-18679	3.6	0
4	2D Materials and Primary Human Dendritic Cells: A Comparative Cytotoxicity Study.. *Small*, **2022**, e2107652	13.2	0
3	Synthesis and Characterization of Adamantane-Containing Heteropeptides with a Chirality Switch. *European Journal of Organic Chemistry*, **2020**, 2020, 815-820	3.2	
2	Innenr□ktitelbild: Rational Chemical Multifunctionalization of Graphene Interface Enhances Targeted Cancer Therapy (Angew. Chem. 33/2020). *Angewandte Chemie*, **2020**, 132, 14267-14267	3.6	
1	Mechanics of Biosurfactant Aided Liquid Phase Exfoliation of 2D Materials. *Forces in Mechanics*, **2022**, 100098	1.5	