Lucia G Delogu

List of Publications by Year
in descending order

47 papers	3,387 citations	172457 29 h-index	223800 46 g-index
48 all docs	48 docs citations	48 times ranked	6283 citing authors

#	Article	IF	Citations
1	Toward Nanotechnology-Enabled Approaches against the COVID-19 Pandemic. ACS Nano, 2020, 14, 6383-6406.	14.6	455
2	Safety Assessment of Graphene-Based Materials: Focus on Human Health and the Environment. ACS Nano, 2018, 12, 10582-10620.	14.6	438
3	Graphene as Cancer Theranostic Tool: Progress and Future Challenges. Theranostics, 2015, 5, 710-723.	10.0	236
4	Identification of genetic determinants of breast cancer immune phenotypes by integrative genome-scale analysis. OncoImmunology, 2017, 6, e1253654.	4.6	146
5	Functionalized multiwalled carbon nanotubes as ultrasound contrast agents. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 16612-16617.	7.1	139
6	CXCR3/CCR5 pathways in metastatic melanoma patients treated with adoptive therapy and interleukin-2. British Journal of Cancer, 2013, 109, 2412-2423.	6.4	136
7	Single-cell mass cytometry and transcriptome profiling reveal the impact of graphene on human immune cells. Nature Communications, 2017, 8, 1109.	12.8	111
8	Functionalized carbon nanotubes as immunomodulator systems. Biomaterials, 2013, 34, 4395-4403.	11.4	109
9	Graphene and the immune system: Challenges and potentiality. Advanced Drug Delivery Reviews, 2016, 105, 163-175.	13.7	105
10	Impact of carbon nanotubes and graphene on immune cells. Journal of Translational Medicine, 2014, 12, 138.	4.4	104
11	Photodynamic Therapy Based on Graphene and MXene in Cancer Theranostics. Frontiers in Bioengineering and Biotechnology, 2019, 7, 295.	4.1	100
12	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
13	Gene expression profiling in acute allograft rejection: challenging the immunologic constant of rejection hypothesis. Journal of Translational Medicine, 2011, 9, 174.	4.4	85
14	Autoimmune-associated PTPN22 R620W Variation Reduces Phosphorylation of Lymphoid Phosphatase on an Inhibitory Tyrosine Residue. Journal of Biological Chemistry, 2010, 285, 26506-26518.	3.4	80
15	Graphene and other 2D materials: a multidisciplinary analysis to uncover the hidden potential as cancer theranostics. Theranostics, 2020, 10, 5435-5488.	10.0	80
16	<i>Ex vivo</i> impact of functionalized carbon nanotubes on human immune cells. Nanomedicine, 2012, 7, 231-243.	3.3	71
17	Banning carbon nanotubes would be scientifically unjustified and damaging to innovation. Nature Nanotechnology, 2020, 15, 164-166.	31.5	69
18	Conjugation of Antisense Oligonucleotides to PEGylated Carbon Nanotubes Enables Efficient Knockdown of PTPN22 in T Lymphocytes. Bioconjugate Chemistry, 2009, 20, 427-431.	3.6	66

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19	Nano-bio interactions: a neutrophil-centric view. Cell Death and Disease, 2019, 10, 569.	6.3	64
20	Immune cell impact of three differently coated lipid nanocapsules: pluronic, chitosan and polyethylene glycol. Scientific Reports, 2016, 6, 18423.	3.3	62
21	Fewâ€Layer Graphene Kills Selectively Tumor Cells from Myelomonocytic Leukemia Patients. Angewandte Chemie - International Edition, 2017, 56, 3014-3019.	13.8	59
22	Oncogenic states dictate the prognostic and predictive connotations of intratumoral immune response. , 2020, 8, e000617.		57
23	How can nanotechnology help the fight against breast cancer?. Nanoscale, 2018, 10, 11719-11731.	5.6	42
24	Natalizumab inhibits the expression of human endogenous retroviruses of the W family in multiple sclerosis patients: a longitudinal cohort study. Multiple Sclerosis Journal, 2014, 20, 174-182.	3.0	40
25	Cytoskeletal proteins in the cerebrospinal fluid as biomarker of multiple sclerosis. Neurological Sciences, 2013, 34, 181-186.	1.9	36
26	Diet and nutrients are contributing factors that influence blood cadmium levels. Nutrition Research, 2011, 31, 691-697.	2.9	35
27	The perception of nanotechnology and nanomedicine: a worldwide social media study. Nanomedicine, 2014, 9, 1475-1486.	3.3	34
28	Stimulation of bone formation by monocyte-activator functionalized graphene oxide <i>in vivo</i>. Nanoscale, 2019, 11, 19408-19421.	5.6	32
29	Carbon Nanotube-Based Nanocarriers: The Importance of Keeping It Clean. Journal of Nanoscience and Nanotechnology, 2010, 10, 5293-5301.	0.9	31
30	In Vivo Restoration of Myocardial Conduction With Carbon Nanotube Fibers. Circulation: Arrhythmia and Electrophysiology, 2019, 12, e007256.	4.8	30
31	Graphene, other carbon nanomaterials and the immune system: toward nanoimmunity-by-design. JPhys Materials, 2020, 3, 034009.	4.2	29
32	Impact of the surface functionalization on nanodiamond biocompatibility: a comprehensive view on human blood immune cells. Carbon, 2020, 160, 390-404.	10.3	27
33	SITC/iSBTc Cancer Immunotherapy Biomarkers Resource Document: Online resources and useful tools - a compass in the land of biomarker discovery. Journal of Translational Medicine, 2011, 9, 155.	4.4	25
34	Biocompatibility studies of macroscopic fibers made from carbon nanotubes: Implications for carbon nanotube macrostructures in biomedical applications. Carbon, 2021, 173, 462-476.	10.3	25
35	Degradation of Structurally Defined Graphene Nanoribbons by Myeloperoxidase and the Photoâ€Fenton Reaction. Angewandte Chemie - International Edition, 2020, 59, 18515-18521.	13.8	23
36	Cadmium influences the 5-Fluorouracil cytotoxic effects on breast cancer cells. European Journal of Histochemistry, 2012, 56, 1.	1.5	21

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37	Non-BRAF-targeted therapy, immunotherapy, and combination therapy for melanoma. Expert Opinion on Biological Therapy, 2014, 14, 663-686.	3.1	17
38	Immunomodulatory properties of carbon nanotubes are able to compensate immune function dysregulation caused by microgravity conditions. Nanoscale, 2014, 6, 9599-9603.	5.6	17
39	Immune compatible cystine-functionalized superparamagnetic iron oxide nanoparticles as vascular contrast agents in ultrasonography. RSC Advances, 2016, 6, 2712-2723.	3.6	10
40	Toward Highâ€Dimensional Singleâ€Cell Analysis of Graphene Oxide Biological Impact: Tracking on Immune Cells by Singleâ€Cell Mass Cytometry. Small, 2020, 16, 2000123.	10.0	10
41	Fewâ€Layer Graphene Kills Selectively Tumor Cells from Myelomonocytic Leukemia Patients. Angewandte Chemie, 2017, 129, 3060-3065.	2.0	9
42	Graphene oxide activates B cells with upregulation of granzyme B expression: evidence at the single-cell level for its immune-modulatory properties and anticancer activity. Nanoscale, 2022, 14, 333-349.	5.6	9
43	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.	4.5	8
44	Immune Profiling of Polysaccharide Submicron Vesicles. Biomacromolecules, 2018, 19, 3560-3571.	5.4	6
45	A genome-wide association study by ImmunoChip reveals potential modifiers in myelodysplastic syndromes. Experimental Hematology, 2016, 44, 1034-1038.	0.4	4
46	Silica and carbon decorated silica nanosheet impact on primary human immune cells. Colloids and Surfaces B: Biointerfaces, 2018, 172, 779-789.	5.0	4
47	Degradation of Structurally Defined Graphene Nanoribbons by Myeloperoxidase and the Photoâ€Fenton Reaction. Angewandte Chemie, 2020, 132, 18673-18679.	2.0	1