Leon Newman

List of Publications by Year
in descending order

17 papers	937 citations	623734 14 h-index	888059 17 g-index
17 all docs	17 docs citations	17 times ranked	1494 citing authors

#	Article	IF	Citations
1	Graphene oxide is degraded by neutrophils and the degradation products are non-genotoxic. Nanoscale, 2018, 10, 1180-1188.	5.6	148
2	Single-cell mass cytometry and transcriptome profiling reveal the impact of graphene on human immune cells. Nature Communications, 2017, 8, 1109.	12.8	111
3	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
4	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
5	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
6	The Effects of Extensive Glomerular Filtration of Thin Graphene Oxide Sheets on Kidney Physiology. ACS Nano, 2016, 10, 10753-10767.	14.6	70
7	Graphene Oxide Elicits Membrane Lipid Changes and Neutrophil Extracellular Trap Formation. CheM, 2018, 4, 334-358.	11.7	68
8	Enhanced organophilic separations with mixed matrix membranes of polymers of intrinsic microporosity and graphene-like fillers. Journal of Membrane Science, 2017, 526, 437-449.	8.2	57
9	Splenic Capture and In Vivo Intracellular Biodegradation of Biological-Grade Graphene Oxide Sheets. ACS Nano, 2020, 14, 10168-10186.	14.6	51
10	Sizeâ€Ðependent Pulmonary Impact of Thin Graphene Oxide Sheets in Mice: Toward Safeâ€byâ€Ðesign. Advanced Science, 2020, 7, 1903200.	11.2	44
11	Graphene Oxide Flakes Tune Excitatory Neurotransmission in Vivo by Targeting Hippocampal Synapses. Nano Letters, 2019, 19, 2858-2870.	9.1	43
12	Hypochlorite degrades 2D graphene oxide sheets faster than 1D oxidised carbon nanotubes and nanohorns. Npj 2D Materials and Applications, 2017, 1, .	7.9	26
13	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
14	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
15	Enhanced Intraliposomal Metallic Nanoparticle Payload Capacity Using Microfluidic-Assisted Self-Assembly. Langmuir, 2019, 35, 13318-13331.	3.5	14
16	Impact of graphene oxide on human placental trophoblast viability, functionality and barrier integrity. 2D Materials, 2018, 5, 035014.	4.4	12
17	Nose-to-Brain Translocation and Cerebral Biodegradation of Thin Graphene Oxide Nanosheets. Cell Reports Physical Science, 2020, 1, 100176.	5.6	10