

# Ya-Nan Chang

## List of Publications by Citations

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51  
papers

1,199  
citations

15  
h-index

34  
g-index

54  
ext. papers

1,404  
ext. citations

6.3  
avg, IF

4.12  
L-index

#	Paper	IF	Citations
51	The Toxic Effects and Mechanisms of CuO and ZnO Nanoparticles. <i>Materials</i> , <b>2012</b> , 5, 2850-2871	3.5	470
50	The use of polyethylenimine-modified graphene oxide as a nanocarrier for transferring hydrophobic nanocrystals into water to produce water-dispersible hybrids for use in drug delivery. <i>Carbon</i> , <b>2013</b> , 57, 120-129	10.4	82
49	Oral administration of rutile and anatase TiO nanoparticles shifts mouse gut microbiota structure. <i>Nanoscale</i> , <b>2018</b> , 10, 7736-7745	7.7	67
48	Biocompatible and flexible graphene oxide/upconversion nanoparticle hybrid film for optical pH sensing. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 1576-82	3.6	51
47	Biodistribution, excretion, and toxicity of polyethyleneimine modified NaYF:Yb,Er upconversion nanoparticles in mice via different administration routes. <i>Nanoscale</i> , <b>2017</b> , 9, 4497-4507	7.7	48
46	Ultrasmall Superparamagnetic Iron Oxide Nanoparticle for T-Weighted Magnetic Resonance Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 28959-28966	9.5	37
45	The antihyperlipidemic effects of fullereneol nanoparticles via adjusting the gut microbiota in vivo. <i>Particle and Fibre Toxicology</i> , <b>2018</b> , 15, 5	8.4	32
44	Separation and purification of fullereneols for improved biocompatibility. <i>Carbon</i> , <b>2012</b> , 50, 460-469	10.4	32
43	Novel carbon nanohybrids as highly efficient magnetic resonance imaging contrast agents. <i>Nano Research</i> , <b>2015</b> , 8, 1259-1268	10	27
42	Fullereneol nanoparticles suppress RANKL-induced osteoclastogenesis by inhibiting differentiation and maturation. <i>Nanoscale</i> , <b>2017</b> , 9, 12516-12523	7.7	24
41	On-demand generation of singlet oxygen from a smart graphene complex for the photodynamic treatment of cancer cells. <i>Biomaterials Science</i> , <b>2014</b> , 2, 1412-1418	7.4	23
40	Endocytosed nanoparticles hold endosomes and stimulate binucleated cells formation. <i>Particle and Fibre Toxicology</i> , <b>2016</b> , 13, 63	8.4	22
39	Small size fullereneol nanoparticles suppress lung metastasis of breast cancer cell by disrupting actin dynamics. <i>Journal of Nanobiotechnology</i> , <b>2018</b> , 16, 54	9.4	21
38	Intrinsic Biotaxi Solution Based on Blood Cell Membrane Cloaking Enables Fullereneol Thrombolysis. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 14958-14970	9.5	16
37	Adjusting the balance between effective loading and vector migration of macrophage vehicles to deliver nanoparticles. <i>PLoS ONE</i> , <b>2013</b> , 8, e76024	3.7	16
36	Small size fullereneol nanoparticles inhibit thrombosis and blood coagulation through inhibiting activities of thrombin and FXa. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2018</b> , 14, 929-939	6	15
35	Toxicological properties of nanomaterials. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2014</b> , 14, 717-29	1.3	15

34	Enhanced Multifunctional Properties of Graphene Nanocomposites with Nacre-Like Structures. <i>Advanced Engineering Materials</i> , <b>2015</b> , 17, 523-531	3.5	13
33	Nanoparticles with High-Surface Negative-Charge Density Disturb the Metabolism of Low-Density Lipoprotein in Cells. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	13
32	Gd@C82(OH)22 nanoparticles constrain macrophages migration into tumor tissue to prevent metastasis. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2014</b> , 14, 4022-8	1.3	12
31	Utilizing Gold Nanoparticle Probes to Visually Detect DNA Methylation. <i>Nanoscale Research Letters</i> , <b>2016</b> , 11, 304	5	11
30	Effects of Fullerenol Nanoparticles on Rat Oocyte Meiosis Resumption. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	11
29	Regulation on mechanical properties of collagen: enhanced bioactivities of metallofullerol. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2014</b> , 10, 783-93	6	11
28	Adaption of the structure of carbon nano hybrids toward high-relaxivity for a new MRI contrast agent. <i>RSC Advances</i> , <b>2016</b> , 6, 58028-58033	3.7	11
27	Fullerenol Nanoparticles with Structural Activity Induce Variable Intracellular Actin Filament Morphologies. <i>Journal of Biomedical Nanotechnology</i> , <b>2016</b> , 12, 1234-44	4	11
26	Metabolizer in vivo of fullerenes and metallofullerenes by positron emission tomography. <i>Nanotechnology</i> , <b>2016</b> , 27, 155101	3.4	10
25	Carboxylated gold nanoparticles inhibit bone erosion by disturbing the acidification of an osteoclast absorption microenvironment. <i>Nanoscale</i> , <b>2020</b> , 12, 3871-3878	7.7	9
24	Highly Dispersed Fullerenols Hamper Osteoclast Ruffled Border Formation by Perturbing Ca Bundles. <i>Small</i> , <b>2018</b> , 14, e1802549	11	9
23	Lipid- and gut microbiota-modulating effects of graphene oxide nanoparticles in high-fat diet-induced hyperlipidemic mice.. <i>RSC Advances</i> , <b>2018</b> , 8, 31366-31371	3.7	9
22	Mono-fullerenols modulating cell stiffness by perturbing actin bundling. <i>Nanoscale</i> , <b>2018</b> , 10, 1750-1758	7.7	8
21	The effects of C60(C(COOH)2)2-FITC on proliferation and differentiation of human mesenchymal stem cells in vitro. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2013</b> , 13, 6517-21	1.3	7
20	Exosome-Coated 10B Carbon Dots for Precise Boron Neutron Capture Therapy in a Mouse Model of Glioma In Situ. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2100969	15.6	7
19	Modulated podosome patterning in osteoclasts by fullerene nanoparticles disturbs the bone resorption for osteoporosis treatment. <i>Nanoscale</i> , <b>2020</b> , 12, 9359-9365	7.7	7
18	The High Permeability of Nanocarriers Crossing the Enterocyte Layer by Regulation of the Surface Zonal Pattern. <i>Molecules</i> , <b>2020</b> , 25,	4.8	6
17	Au Nanoparticles Attenuate RANKL-Induced Osteoclastogenesis by Suppressing Pre-Osteoclast Fusion. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2019</b> , 19, 2166-2173	1.3	6

16	3D Imaging and Quantification of the Integrin at a Single-Cell Base on a Multisignal Nanoprobe and Synchrotron Radiation Soft X-ray Tomography Microscopy. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 1237-1241	7.8	5
15	Impact of Titanium Dioxide and Fullerenol Nanoparticles on Caco-2 Gut Epithelial Cells. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2018</b> , 18, 2387-2393	1.3	4
14	Preparing dangling bonds by nanoholes on graphene oxide nanosheets and their enhanced magnetism.. <i>RSC Advances</i> , <b>2020</b> , 10, 36378-36385	3.7	4
13	Fullerenols boosting the therapeutic effect of anti-CD47 antibody to trigger robust anti-tumor immunity by inducing calreticulin exposure. <i>Nano Today</i> , <b>2021</b> , 37, 101070	17.9	4
12	Enhanced Bioavailability by Orally Administered Sirolimus Nanocrystals.. <i>ACS Applied Bio Materials</i> , <b>2019</b> , 2, 4612-4621	4.1	2
11	Microfluidic Analysis for Separating and Measuring the Deformability of Cancer Cell Subpopulations. <i>ACS Omega</i> , <b>2019</b> , 4, 8318-8323	3.9	2
10	Fullerenol Nanoparticles Eradicate via pH-Responsive Peroxidase Activity. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> ,	9.5	2
9	Study on orally delivered paclitaxel nanocrystals: modification, characterization and activity in the gastrointestinal tract. <i>Royal Society Open Science</i> , <b>2017</b> , 4, 170753	3.3	2
8	Utilizing a microfluidic device to enrich and fluorescently detect circulating tumor cells. <i>Science Bulletin</i> , <b>2017</b> , 62, 453-455	10.6	1
7	Exploring the Interaction of Fullerenol with Key Digestive Proteases Using Raman-Based Frequency-Shift Sensing and Molecular Simulation Analysis.. <i>ACS Applied Bio Materials</i> , <b>2019</b> , 2, 2946-2954 <sup>4.1</sup>	4.1	1
6	Evaluation of Nano-Particulate-Matter-Induced Lung Injury in Mice Using Quantitative Micro-Computed Tomography. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2021</b> , 21, 6041-6047	1.3	1
5	Clot structure-based physical-matching design of platelet cloaking nano-delivery system facilitates specific arteriovenous thrombolysis. <i>Chemical Engineering Journal</i> , <b>2022</b> , 441, 135982	14.7	1
4	The Aggregation Induced Emission Probe of Detecting Enhanced Permeation and Retention Effects is Structured for Evaluating the Applicability of Nanotherapy to Different Tumor Individuals. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2021</b> , 21, 6054-6059	1.3	0
3	Radial extracorporeal shock wave responsive precise nanoplatfrom for effective osteoporosis sequential treatment. <i>Chemical Engineering Journal</i> , <b>2021</b> , 425, 130687	14.7	0
2	Oral Administration of Omega-3 Fatty Acids Attenuates Lung Injury Caused by PM2.5 Respiratory Inhalation Simply and Feasibly In Vivo. <i>International Journal of Molecular Sciences</i> , <b>2022</b> , 23, 5323	6.3	0
1	Increased Production of Short-Chain Fatty Acids in Microbacteria Fermentation Treated by Fullerenols. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2021</b> , 21, 5352-5362	1.3	0