

# Wei Zhou

## List of Publications by Year in descending order

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26  
papers

1,453  
citations

394421

19  
h-index

552781

26  
g-index

26  
all docs

26  
docs citations

26  
times ranked

3340  
citing authors

#	ARTICLE	IF	CITATIONS
1	Facile synthesis of pentacle gold-copper alloy nanocrystals and their plasmonic and catalytic properties. <i>Nature Communications</i> , 2014, 5, 4327.	12.8	294
2	Inhibition of autophagy enhances the anticancer activity of silver nanoparticles. <i>Autophagy</i> , 2014, 10, 2006-2020.	9.1	224
3	Tuning the autophagy-inducing activity of lanthanide-based nanocrystals through specific surface-coating peptides. <i>Nature Materials</i> , 2012, 11, 817-826.	27.5	158
4	Core/shell Fe <sub>3</sub> O <sub>4</sub> /Gd <sub>2</sub> O <sub>3</sub> nanocubes as T <sub>1</sub> -T <sub>2</sub> dual modal MRI contrast agents. <i>Nanoscale</i> , 2016, 8, 12826-12833.	5.6	108
5	Precisely photothermal controlled releasing of antibacterial agent from Bi <sub>2</sub> S <sub>3</sub> hollow microspheres triggered by NIR light for water sterilization. <i>Chemical Engineering Journal</i> , 2020, 381, 122630.	12.7	74
6	The role of elevated autophagy on the synaptic plasticity impairment caused by CdSe/ZnS quantum dots. <i>Biomaterials</i> , 2013, 34, 10172-10181.	11.4	62
7	Induction of genuine autophagy by cationic lipids in mammalian cells. <i>Autophagy</i> , 2010, 6, 449-454.	9.1	60
8	Accelerating the clearance of mutant huntingtin protein aggregates through autophagy induction by europium hydroxide nanorods. <i>Biomaterials</i> , 2014, 35, 899-907.	11.4	60
9	Induction of cyto-protective autophagy by paramontroseite VO <sub>2</sub> nanocrystals. <i>Nanotechnology</i> , 2013, 24, 165102.	2.6	49
10	Synthesis of Ni Nanochains with Various Sizes: The Magnetic and Catalytic Properties. <i>Journal of Physical Chemistry C</i> , 2009, 113, 17355-17358.	3.1	42
11	Autophagy-mediated clearance of ubiquitinated mutant huntingtin by graphene oxide. <i>Nanoscale</i> , 2016, 8, 18740-18750.	5.6	39
12	Inhibition of Kupffer Cell Autophagy Abrogates Nanoparticle-Induced Liver Injury. <i>Advanced Healthcare Materials</i> , 2017, 6, 1601252.	7.6	35
13	Autophagic lysosomal reformation depends on mTOR reactivation in H <sub>2</sub> O <sub>2</sub> -induced autophagy. <i>International Journal of Biochemistry and Cell Biology</i> , 2016, 70, 76-81.	2.8	32
14	Differential ERK activation during autophagy induced by europium hydroxide nanorods and trehalose: Maximum clearance of huntingtin aggregates through combined treatment. <i>Biomaterials</i> , 2015, 73, 160-174.	11.4	31
15	Inhibition of lanthanide nanocrystal-induced inflammasome activation in macrophages by a surface coating peptide through abrogation of ROS production and TRPM2-mediated Ca <sup>2+</sup> influx. <i>Biomaterials</i> , 2016, 108, 143-156.	11.4	30
16	Persistency of Enlarged Autolysosomes Underscores Nanoparticle-Induced Autophagy in Hepatocytes. <i>Small</i> , 2017, 13, 1602876.	10.0	29
17	Giant Cellular Vacuoles Induced by Rare Earth Oxide Nanoparticles are Abnormally Enlarged Endo/Lysosomes and Promote mTOR-Dependent TFEB Nucleus Translocation. <i>Small</i> , 2016, 12, 5759-5768.	10.0	28
18	Sequential growth of CaF <sub>2</sub> :Yb,Er@CaF <sub>2</sub> :Gd nanoparticles for efficient magnetic resonance angiography and tumor diagnosis. <i>Biomaterials Science</i> , 2017, 5, 2403-2415.	5.4	26

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19	Transdermal delivery of human epidermal growth factor facilitated by a peptide chaperon. <i>European Journal of Medicinal Chemistry</i> , 2013, 62, 405-409.	5.5	22
20	Polyvinylpyrrolidone-stabilized magnetic nickel nanochains for cancer hyperthermia and catalysis applications. <i>RSC Advances</i> , 2015, 5, 22965-22971.	3.6	15
21	Lanthanide co-doped paramagnetic spindle-like mesocrystals for imaging and autophagy induction. <i>Nanoscale</i> , 2016, 8, 13399-13406.	5.6	11
22	Role of the Na <sup>+</sup> /K <sup>+</sup> -ATPase Beta-Subunit in Peptide-Mediated Transdermal Drug Delivery. <i>Molecular Pharmaceutics</i> , 2015, 12, 1259-1267.	4.6	7
23	Caspase mediated beclin-1 dependent autophagy tuning activity and apoptosis promotion by surface modified hausmannite nanoparticle. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 1299-1310.	4.0	5
24	Autophagic blockage by bismuth sulfide nanoparticles inhibits migration and invasion of HepG2 cells. <i>Nanotechnology</i> , 2020, 31, 465102.	2.6	5
25	Enhanced Transdermal Delivery of Epidermal Growth Factor Facilitated by Dual Peptide Chaperone Motifs. <i>Protein and Peptide Letters</i> , 2014, 21, 550-555.	0.9	4
26	Salicylideneanilines encapsulated mesoporous silica functionalized gold nanoparticles: a low temperature calibrated fluorescent thermometer. <i>RSC Advances</i> , 2015, 5, 77056-77061.	3.6	3