

# Wei Deng

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

1,386  
citations

279701

23  
h-index

477173

29  
g-index

32  
all docs

32  
docs citations

32  
times ranked

2269  
citing authors

#	ARTICLE	IF	CITATIONS
1	Controlled gene and drug release from a liposomal delivery platform triggered by X-ray radiation. <i>Nature Communications</i> , 2018, 9, 2713.	5.8	158
2	Metal-enhanced fluorescence in the life sciences: here, now and beyond. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 15695.	1.3	132
3	X-ray induced singlet oxygen generation by nanoparticle-photosensitizer conjugates for photodynamic therapy: determination of singlet oxygen quantum yield. <i>Scientific Reports</i> , 2016, 6, 19954.	1.6	121
4	Plasmonic Approach to Enhanced Fluorescence for Applications in Biotechnology and the Life Sciences. <i>Langmuir</i> , 2012, 28, 10152-10163.	1.6	102
5	Upconversion in NaYF <sub>4</sub> :Yb, Er nanoparticles amplified by metal nanostructures. <i>Nanotechnology</i> , 2011, 22, 325604.	1.3	73
6	Ultrabright Eu <sup>3+</sup> -Doped Plasmonic Ag@SiO <sub>2</sub> Nanostructures: Time-Gated Bioprobes with Single Particle Sensitivity and Negligible Background. <i>Advanced Materials</i> , 2011, 23, 4649-4654.	11.1	63
7	Application of Mitochondrially Targeted Nanoconstructs to Neoadjuvant X-ray-Induced Photodynamic Therapy for Rectal Cancer. <i>ACS Central Science</i> , 2020, 6, 715-726.	5.3	60
8	Practical Implementation, Characterization and Applications of a Multi-Colour Time-Gated Luminescence Microscope. <i>Scientific Reports</i> , 2014, 4, 6597.	1.6	51
9	Mechanisms for Tuning Engineered Nanomaterials to Enhance Radiation Therapy of Cancer. <i>Advanced Science</i> , 2020, 7, 2003584.	5.6	49
10	Light-induced liposomes for cancer therapeutics. <i>Progress in Lipid Research</i> , 2020, 79, 101052.	5.3	47
11	X-ray radiation-induced and targeted photodynamic therapy with folic acid-conjugated biodegradable nanoconstructs. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 3553-3570.	3.3	44
12	Light-Triggerable Liposomes for Enhanced Endolysosomal Escape and Gene Silencing in PC12 Cells. <i>Molecular Therapy - Nucleic Acids</i> , 2017, 7, 366-377.	2.3	41
13	Recent advances in liposome formulations for breast cancer therapeutics. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 5225-5243.	2.4	41
14	Chemical sensing with nanoparticles as optical reporters: from noble metal nanoparticles to quantum dots and upconverting nanoparticles. <i>Analyst</i> , 2014, 139, 5321-5334.	1.7	40
15	Spatial and Temporal Control of CRISPR-Cas9-Mediated Gene Editing Delivered via a Light-Triggered Liposome System. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 52433-52444.	4.0	36
16	Barstar:barnase is a versatile platform for colloidal diamond bioconjugation. <i>Journal of Materials Chemistry</i> , 2011, 21, 65-68.	6.7	34
17	Enhanced Flow Cytometry-Based Bead Immunoassays Using Metal Nanostructures. <i>Analytical Chemistry</i> , 2009, 81, 7248-7255.	3.2	32
18	X-ray induced photodynamic therapy (PDT) with a mitochondria-targeted liposome delivery system. <i>Journal of Nanobiotechnology</i> , 2020, 18, 87.	4.2	32

#	ARTICLE	IF	CITATIONS
19	Liposome technologies towards colorectal cancer therapeutics. <i>Acta Biomaterialia</i> , 2021, 127, 24-40.	4.1	32
20	Optogenetics, the intersection between physics and neuroscience: light stimulation of neurons in physiological conditions. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2014, 307, R1292-R1302.	0.9	29
21	Europium Chelate (BHHCT-Eu <sup>3+</sup> ) and Its Metal Nanostructure Enhanced Luminescence Applied to Bioassays and Time-Gated Bioimaging. <i>Langmuir</i> , 2010, 26, 10036-10043.	1.6	28
22	Light-triggered liposomal cargo delivery platform incorporating photosensitizers and gold nanoparticles for enhanced singlet oxygen generation and increased cytotoxicity. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 969-977.	3.3	28
23	Nanoparticle-mediated singlet oxygen generation from photosensitizers. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 332, 66-71.	2.0	25
24	Automated detection of rare event pathogens through time-gated luminescence scanning microscopy. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2011, 79A, 349-355.	1.1	22
25	Photoresponsive endosomal escape enhances gene delivery using liposome-polycation-DNA (LPD) nanovectors. <i>Journal of Materials Chemistry B</i> , 2018, 6, 5269-5281.	2.9	22
26	PLGA nanocomposites loaded with verteporfin and gold nanoparticles for enhanced photodynamic therapy of cancer cells. <i>RSC Advances</i> , 2016, 6, 112393-112402.	1.7	14
27	Bright, water-soluble CeF <sub>3</sub> photo-, cathodo-, and X-ray luminescent nanoparticles. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	0.8	13
28	“STRESSED OUT”: The role of FUS and TDP-43 in amyotrophic lateral sclerosis. <i>International Journal of Biochemistry and Cell Biology</i> , 2020, 126, 105821.	1.2	13
29	Gene Interference with Morpholinos in a Gold Nanoparticle-Based Delivery Platform in Rat PC12 Cells. <i>Journal of Biomedical Nanotechnology</i> , 2015, 11, 2111-2123.	0.5	3
30	Light-triggered liposomal cargo delivery platform incorporating photosensitizers and gold nanoparticles for enhanced singlet oxygen generation and increased cytotoxicity. , 2018, , .		1
31	Advances in lanthanide bioprobes and high-throughput background-free biophotonics sensing. , 2011, , .		0