

# Dehui Wan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4911564/publications.pdf>

Version: 2024-02-01

24  
papers

965  
citations

567281

15  
h-index

580821

25  
g-index

25  
all docs

25  
docs citations

25  
times ranked

1729  
citing authors

#	ARTICLE	IF	CITATIONS
1	Solar-powered nanostructured biopolymer hygroscopic aerogels for atmospheric water harvesting. <i>Nano Energy</i> , 2021, 80, 105569.	16.0	99
2	Photothermal tumor ablation in mice with repeated therapy sessions using NIR-absorbing micellar hydrogels formed in situ. <i>Biomaterials</i> , 2015, 56, 26-35.	11.4	93
3	Development and characterization of sorafenib-loaded PLGA nanoparticles for the systemic treatment of liver fibrosis. <i>Journal of Controlled Release</i> , 2016, 221, 62-70.	9.9	89
4	Robust Synthesis of Gold Cubic Nanoframes through a Combination of Galvanic Replacement, Gold Deposition, and Silver Dealloying. <i>Small</i> , 2013, 9, 3111-3117.	10.0	74
5	Nanoparticle Delivery of MnO <sub>2</sub> and Antiangiogenic Therapy to Overcome Hypoxia-Driven Tumor Escape and Suppress Hepatocellular Carcinoma. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 44407-44419.	8.0	72
6	Eco-Friendly Plasmonic Sensors: Using the Photothermal Effect to Prepare Metal Nanoparticle-Containing Test Papers for Highly Sensitive Colorimetric Detection. <i>Analytical Chemistry</i> , 2012, 84, 5140-5145.	6.5	67
7	Antireflective Nanoparticle Arrays Enhance the Efficiency of Silicon Solar Cells. <i>Advanced Functional Materials</i> , 2010, 20, 3064-3075.	14.9	63
8	Photosynthesis-inspired H <sub>2</sub> generation using a chlorophyll-loaded liposomal nanoplatform to detect and scavenge excess ROS. <i>Nature Communications</i> , 2020, 11, 534.	12.8	61
9	Food Quality Monitor: Paper-Based Plasmonic Sensors Prepared Through Reversal Nanoimprinting for Rapid Detection of Biogenic Amine Odorants. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 17306-17316.	8.0	52
10	Using Spectroscopic Ellipsometry to Characterize and Apply the Optical Constants of Hollow Gold Nanoparticles. <i>ACS Nano</i> , 2009, 3, 960-970.	14.6	51
11	White-Light-Induced Collective Heating of Gold Nanocomposite/ <i>Bombyx mori</i> Silk Thin Films with Ultrahigh Broadband Absorbance. <i>ACS Nano</i> , 2015, 9, 12045-12059.	14.6	42
12	Near-IR-Absorbing Gold Nanoframes with Enhanced Physiological Stability and Improved Biocompatibility for In Vivo Biomedical Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 3873-3884.	8.0	33
13	One-Shot Deep-UV Pulsed-Laser-Induced Photomodification of Hollow Metal Nanoparticles for High-Density Data Storage on Flexible Substrates. <i>ACS Nano</i> , 2010, 4, 165-173.	14.6	26
14	Robust O <sub>2</sub> Supplementation from a Trimetallic Nanozyme-Based Self-Sufficient Complementary System Synergistically Enhances the Starvation/Photothermal Therapy against Hypoxic Tumors. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 38090-38104.	8.0	24
15	Reversal of pancreatic desmoplasia by a tumour stroma-targeted nitric oxide nanogel overcomes TRAIL resistance in pancreatic tumours. <i>Gut</i> , 2022, 71, 1843-1855.	12.1	21
16	Diverse Substrate-Mediated Local Electric Field Enhancement of Metal Nanoparticles for Nanogap-Enhanced Raman Scattering. <i>Analytical Chemistry</i> , 2021, 93, 4299-4307.	6.5	16
17	Use of Reversal Nanoimprinting of Nanoparticles to Prepare Flexible Waveguide Sensors Exhibiting Enhanced Scattering of the Surface Plasmon Resonance. <i>Advanced Functional Materials</i> , 2010, 20, 1742-1749.	14.9	11
18	3D-printed radiopaque polymer composites for the in situ monitoring of biodegradable medical implants. <i>Applied Materials Today</i> , 2020, 20, 100771.	4.3	10

#	ARTICLE	IF	CITATIONS
19	Wafer-scale nanocracks enable single-molecule detection and on-site analysis. <i>Biosensors and Bioelectronics</i> , 2022, 200, 113920.	10.1	10
20	Dual-functional antibiofilm polymer composite for biodegradable medical devices. <i>Materials Science and Engineering C</i> , 2021, 123, 111985.	7.3	9
21	Substrate-independent adsorption of nanoparticles as anti-biofilm coatings. <i>Biomaterials Science</i> , 2022, 10, 410-422.	5.4	9
22	Use of Gold Nanoparticles to Investigate the Drug Embedding and Releasing Performance in Biodegradable Poly(glycerol sebacate). <i>ACS Applied Nano Materials</i> , 2018, 1, 4474-4482.	5.0	8
23	Biodegradable aniline-derived electroconductive film for the regulation of neural stem cell fate. <i>Journal of Materials Chemistry B</i> , 2021, 9, 1325-1335.	5.8	6
24	Fluorescent microdiamonds conjugated with hollow gold nanoparticles as photothermal fiducial markers in tissue. <i>Journal of Materials Chemistry C</i> , 2019, 7, 15197-15207.	5.5	5