

Jessica C Hsu

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,270
citations

471509

17
h-index

752698

20
g-index

21
all docs

21
docs citations

21
times ranked

1720
citing authors

#	ARTICLE	IF	CITATIONS
1	Tunable, biodegradable gold nanoparticles as contrast agents for computed tomography and photoacoustic imaging. <i>Biomaterials</i> , 2016, 102, 87-97.	11.4	189
2	Effect of Gold Nanoparticle Size on Their Properties as Contrast Agents for Computed Tomography. <i>Scientific Reports</i> , 2019, 9, 14912.	3.3	157
3	Use of Nanoparticle Contrast Agents for Cell Tracking with Computed Tomography. <i>Bioconjugate Chemistry</i> , 2017, 28, 1581-1597.	3.6	113
4	Recent Advances in Molecular Imaging with Gold Nanoparticles. <i>Bioconjugate Chemistry</i> , 2020, 31, 303-314.	3.6	95
5	Dextran-Coated Cerium Oxide Nanoparticles: A Computed Tomography Contrast Agent for Imaging the Gastrointestinal Tract and Inflammatory Bowel Disease. <i>ACS Nano</i> , 2020, 14, 10187-10197.	14.6	89
6	Gold silver alloy nanoparticles (GSAN): an imaging probe for breast cancer screening with dual-energy mammography or computed tomography. <i>Nanoscale</i> , 2016, 8, 13740-13754.	5.6	84
7	Repurposing ferumoxytol: Diagnostic and therapeutic applications of an FDA-approved nanoparticle. <i>Theranostics</i> , 2022, 12, 796-816.	10.0	83
8	Nanoparticle contrast agents for X-ray imaging applications. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2020, 12, e1642.	6.1	69
9	An all-in-one nanoparticle (AION) contrast agent for breast cancer screening with DEM-CT-MRI-NIRF imaging. <i>Nanoscale</i> , 2018, 10, 17236-17248.	5.6	60
10	In Vivo Molecular K-Edge Imaging of Atherosclerotic Plaque Using Photon-counting CT. <i>Radiology</i> , 2021, 300, 98-107.	7.3	55
11	Precision targeting of bacterial pathogen via bi-functional nanozyme activated by biofilm microenvironment. <i>Biomaterials</i> , 2021, 268, 120581.	11.4	54
12	Ultrasmall Antioxidant Cerium Oxide Nanoparticles for Regulation of Acute Inflammation. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 60852-60864.	8.0	40
13	Wulff in a cage gold nanoparticles as contrast agents for computed tomography and photoacoustic imaging. <i>Nanoscale</i> , 2018, 10, 18749-18757.	5.6	34
14	Renally Excretable and Size-Tunable Silver Sulfide Nanoparticles for Dual-Energy Mammography or Computed Tomography. <i>Chemistry of Materials</i> , 2019, 31, 7845-7854.	6.7	33
15	Silver telluride nanoparticles as biocompatible and enhanced contrast agents for X-ray imaging: an <i>in vivo</i> breast cancer screening study. <i>Nanoscale</i> , 2021, 13, 163-174.	5.6	25
16	Silver chalcogenide nanoparticles: a review of their biomedical applications. <i>Nanoscale</i> , 2021, 13, 19306-19323.	5.6	23
17	Radioprotective Garment-Inspired Biodegradable Polymetal Nanoparticles for Enhanced CT Contrast Production. <i>Chemistry of Materials</i> , 2020, 32, 381-391.	6.7	20
18	Novel Treatment for Glioblastoma Delivered by a Radiation Responsive and Radiopaque Hydrogel. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 3209-3220.	5.2	20

#	ARTICLE	IF	CITATIONS
19	The Reliability of Cone Density Measurements in the Presence of Rods. <i>Translational Vision Science and Technology</i> , 2018, 7, 21.	2.2	18
20	Effect of Nanoparticle Synthetic Conditions on Ligand Coating Integrity and Subsequent Nano-Biointeractions. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 58401-58410.	8.0	7
21	Evaluation of silver sulfide nanoparticles as a contrast agent for spectral photon-counting digital mammography: a phantom study. , 2019, , .		2