

James Cy Kah

List of Publications by Year in descending order

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63
papers

2,359
citations

172457

29
h-index

206112

48
g-index

65
all docs

65
docs citations

65
times ranked

4135
citing authors

#	ARTICLE	IF	CITATIONS
1	Polydopamine Nanoparticles Enhance Drug Release for Combined Photodynamic and Photothermal Therapy. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 21125-21136.	8.0	217
2	Exploiting the Protein Corona around Gold Nanorods for Loading and Triggered Release. <i>ACS Nano</i> , 2012, 6, 6730-6740.	14.6	170
3	Optimizing the Properties of the Protein Corona Surrounding Nanoparticles for Tuning Payload Release. <i>ACS Nano</i> , 2013, 7, 10066-10074.	14.6	121
4	Critical parameters in the pegylation of gold nanoshells for biomedical applications: An <i>in vitro</i> macrophage study. <i>Journal of Drug Targeting</i> , 2009, 17, 181-193.	4.4	99
5	Early diagnosis of oral cancer based on the surface plasmon resonance of gold nanoparticles. <i>International Journal of Nanomedicine</i> , 2007, 2, 785-98.	6.7	89
6	Optimizing the SERS enhancement of a facile gold nanostar immobilized paper-based SERS substrate. <i>RSC Advances</i> , 2017, 7, 16264-16272.	3.6	88
7	Synthesis of gold nanoshells based on the deposition-precipitation process. <i>Gold Bulletin</i> , 2008, 41, 23-36.	2.7	78
8	Synthesis of Contiguous Silica-Gold Core-Shell Structures: Critical Parameters and Processes. <i>Langmuir</i> , 2008, 24, 5109-5112.	3.5	73
9	Exploiting the protein corona around gold nanorods for low-dose combined photothermal and photodynamic therapy. <i>Journal of Materials Chemistry B</i> , 2017, 5, 254-268.	5.8	70
10	Polydopamine Coating Enhances Mucopenetration and Cell Uptake of Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 4777-4789.	8.0	70
11	Influence of protein corona and caveolae-mediated endocytosis on nanoparticle uptake and transcytosis. <i>Nanoscale</i> , 2018, 10, 12386-12397.	5.6	68
12	In situ measurements of intracellular thermal conductivity using heater-thermometer hybrid diamond nanosensors. <i>Science Advances</i> , 2021, 7, .	10.3	67
13	Quantitative and Label-Free Detection of Protein Kinase A Activity Based on Surface-Enhanced Raman Spectroscopy with Gold Nanostars. <i>Analytical Chemistry</i> , 2018, 90, 6071-6080.	6.5	56
14	Protein Coronas on Gold Nanorods Passivated with Amphiphilic Ligands Affect Cytotoxicity and Cellular Response to Penicillin/Streptomycin. <i>ACS Nano</i> , 2014, 8, 4608-4620.	14.6	55
15	Protein corona in drug delivery for multimodal cancer therapy <i>in vivo</i> . <i>Nanoscale</i> , 2018, 10, 2461-2472.	5.6	50
16	Optimizing gold nanostars as a colloid-based surface-enhanced Raman scattering (SERS) substrate. <i>Journal of Optics (United Kingdom)</i> , 2015, 17, 114013.	2.2	49
17	Component-Specific Analysis of Plasma Protein Corona Formation on Gold Nanoparticles Using Multiplexed Surface Plasmon Resonance. <i>Small</i> , 2016, 12, 1174-1182.	10.0	49
18	A Facile Method to Probe the Vascular Permeability of Nanoparticles in Nanomedicine Applications. <i>Scientific Reports</i> , 2017, 7, 707.	3.3	49

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19	Protein Corona Formed from Different Blood Plasma Proteins Affects the Colloidal Stability of Nanoparticles Differently. <i>Bioconjugate Chemistry</i> , 2018, 29, 3923-3934.	3.6	49
20	Combinatorial treatment of photothermal therapy using gold nanoshells with conventional photodynamic therapy to improve treatment efficacy: An in vitro study. <i>Lasers in Surgery and Medicine</i> , 2008, 40, 584-589.	2.1	47
21	Stability of Gold Nanorods Passivated with Amphiphilic Ligands. <i>Langmuir</i> , 2012, 28, 8834-8844.	3.5	47
22	Control of optical contrast using gold nanoshells for optical coherence tomography imaging of mouse xenograft tumor model in vivo. <i>Journal of Biomedical Optics</i> , 2009, 14, 054015.	2.6	45
23	Size-dependent neutralizing activity of gold nanoparticle-based subunit vaccine against dengue virus. <i>Acta Biomaterialia</i> , 2018, 78, 224-235.	8.3	43
24	An instantaneous colorimetric protein assay based on spontaneous formation of a protein corona on gold nanoparticles. <i>Analyst, The</i> , 2015, 140, 1026-1036.	3.5	39
25	Nanoparticle drug delivery systems and their use in cardiac tissue therapy. <i>Nanomedicine</i> , 2016, 11, 693-714.	3.3	37
26	Exploiting the Anti-Aggregation of Gold Nanostars for Rapid Detection of Hand, Foot, and Mouth Disease Causing Enterovirus 71 Using Surface-Enhanced Raman Spectroscopy. <i>Analytical Chemistry</i> , 2017, 89, 5373-5381.	6.5	37
27	Protein Corona around Gold Nanorods as a Drug Carrier for Multimodal Cancer Therapy. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 1039-1050.	5.2	36
28	Molecular contrast of EGFR expression using gold nanoparticles as a reflectance-based imaging probe. <i>Molecular and Cellular Probes</i> , 2008, 22, 14-23.	2.1	34
29	Mucopenetration and biocompatibility of polydopamine surfaces for delivery in an Ex Vivo porcine bladder. <i>Journal of Controlled Release</i> , 2019, 300, 161-173.	9.9	34
30	Concentration dependence of gold nanoshells on the enhancement of optical coherence tomography images: a quantitative study. <i>Applied Optics</i> , 2009, 48, D96.	2.1	29
31	Complement Activation by PEGylated Gold Nanoparticles. <i>Bioconjugate Chemistry</i> , 2018, 29, 976-981.	3.6	29
32	Understanding aggregation-based assays: nature of protein corona and number of epitopes on antigen matters. <i>RSC Advances</i> , 2015, 5, 14982-14993.	3.6	28
33	Non-specific adsorption of complement proteins affects complement activation pathways of gold nanomaterials. <i>Nanotoxicology</i> , 2017, 11, 382-394.	3.0	28
34	Gold Nanorods Coated with Apolipoprotein E Protein Corona for Drug Delivery. <i>ACS Applied Nano Materials</i> , 2019, 2, 6220-6229.	5.0	23
35	Universal mRNA Translation Enhancement with Gold Nanoparticles Conjugated to Oligonucleotides with a Poly(T) Sequence. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 5203-5212.	8.0	21
36	Endoscopic image analysis of photosensitizer fluorescence as a promising noninvasive approach for pathological grading of bladder cancer in situ. <i>Journal of Biomedical Optics</i> , 2008, 13, 054022.	2.6	20

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37	Exploiting the Protein Corona from Cell Lysate on DNA Functionalized Gold Nanoparticles for Enhanced mRNA Translation. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 10408-10417.	8.0	18
38	Preparation and characterization of an amylase-triggered dextrin-linked graphene oxide anticancer drug nanocarrier and its vascular permeability. <i>International Journal of Pharmaceutics</i> , 2017, 534, 297-307.	5.2	18
39	Aggregation and protein corona formation on gold nanoparticles affect viability and liver functions of primary rat hepatocytes. <i>Nanomedicine</i> , 2016, 11, 2275-2287.	3.3	17
40	Innate immune activation by conditioned medium of cancer cells following combined phototherapy with photosensitizer-loaded gold nanorods. <i>Journal of Materials Chemistry B</i> , 2020, 8, 10812-10824.	5.8	17
41	Stability and Aggregation Assays of Nanoparticles in Biological Media. <i>Methods in Molecular Biology</i> , 2013, 1025, 119-126.	0.9	14
42	Polyelectrolyte stiffness on gold nanorods mediates cell membrane damage. <i>Nanoscale</i> , 2020, 12, 14021-14036.	5.6	14
43	Mannitol-induced gold nanoparticle aggregation for the ligand-free detection of viral particles. <i>Analyst</i> , 2019, 144, 5486-5496.	3.5	13
44	Rapid Detection of Carbapenemase-Producing Enterobacteriaceae Based on Surface-Enhanced Raman Spectroscopy with Gold Nanostars. <i>ACS Infectious Diseases</i> , 2020, 6, 947-953.	3.8	13
45	Exploiting Protein Corona around Gold Nanoparticles Conjugated to p53 Activating Peptides To Increase the Level of Stable p53 Proteins in Cells. <i>Bioconjugate Chemistry</i> , 2019, 30, 920-930.	3.6	10
46	APPLICATIONS OF GOLD NANOPARTICLES IN THE EARLY DETECTION OF CANCER. <i>Journal of Mechanics in Medicine and Biology</i> , 2007, 07, 19-35.	0.7	9
47	Increased serum levels of macrophage activation marker sCD163 in Dengue patients. <i>Journal of Clinical Virology</i> , 2017, 86, 62-67.	3.1	9
48	Conjugation with gold nanoparticles improves the stability of the KT2 peptide and maintains its anticancer properties. <i>RSC Advances</i> , 2021, 12, 319-325.	3.6	8
49	Nanoparticle Interface to Biology: Applications in Probing and Modulating Biological Processes. <i>Critical Reviews in Biomedical Engineering</i> , 2013, 41, 323-341.	0.9	7
50	Quantifying Vascular Distribution and Adhesion of Nanoparticles with Protein Corona in Microflow. <i>Langmuir</i> , 2018, 34, 3731-3741.	3.5	7
51	Complement activation by gold nanoparticles passivated with polyelectrolyte ligands. <i>RSC Advances</i> , 2018, 8, 6616-6619.	3.6	7
52	Dynamics of Human Serum Albumin Corona Formation on Gold Nanorods with Different Surface Ligands In Silico. <i>Journal of Physical Chemistry B</i> , 2021, 125, 1181-1195.	2.6	7
53	Sequestration of Cetyltrimethylammonium Bromide on Gold Nanorods by Human Serum Albumin Causes Its Conformation Change. <i>Langmuir</i> , 2020, 36, 388-396.	3.5	6
54	Stealthiness and Hematocompatibility of Gold Nanoparticles with Pre-Formed Protein Corona. <i>Langmuir</i> , 2021, 37, 4913-4923.	3.5	6

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55	Dark-field circular depolarization optical coherence microscopy. Biomedical Optics Express, 2013, 4, 1683.	2.9	5
56	Conjugation of Peptides to Gold Nanoparticles. Methods in Molecular Biology, 2021, 2355, 9-16.	0.9	3
57	Pathological diagnosis of bladder cancer by image analysis of hypericin induced fluorescence cystoscopic images. , 2005, 5863, 162.		2
58	Enhanced Secretion of Functional Insulin with DNA-Functionalized Gold Nanoparticles in Cells. ACS Biomaterials Science and Engineering, 2019, 5, 1602-1610.	5.2	2
59	Application of antibody-conjugated gold nanoparticles for optical molecular imaging of epithelial carcinoma cells. , 2006, , .		1
60	Light-independent M1 macrophage polarization by photosensitizer-loaded protein corona on gold nanorods. Nanomedicine, 2020, 15, 2329-2344.	3.3	1
61	Improving the optical contrast of backscattering signal in reflectance-based imaging with gold nanoshells. Proceedings of SPIE, 2007, , .	0.8	0
62	Absorption effects in optical coherence tomography modeling. , 2007, , .		0
63	The Use of Gold Nanoshells in Cancer Imaging and Therapy. , 2008, , .		0