James Cy Kah

List of Publications by Year
in descending order

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Version: 2024-02-01

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	In situ measurements of intracellular thermal conductivity using heater-thermometer hybrid diamond nanosensors. Science Advances, 2021, 7, .	10.3	67
2	Stealthiness and Hematocompatibility of Gold Nanoparticles with Pre-Formed Protein Corona. Langmuir, 2021, 37, 4913-4923.	3.5	6
3	Conjugation of Peptides to Gold Nanoparticles. Methods in Molecular Biology, 2021, 2355, 9-16.	0.9	3
4	Dynamics of Human Serum Albumin Corona Formation on Gold Nanorods with Different Surface Ligands In Silico. Journal of Physical Chemistry B, 2021, 125, 1181-1195.	2.6	7
5	Conjugation with gold nanoparticles improves the stability of the KT2 peptide and maintains its anticancer properties. RSC Advances, 2021, 12, 319-325.	3.6	8
6	Sequestration of Cetyltrimethylammonium Bromide on Gold Nanorods by Human Serum Albumin Causes Its Conformation Change. Langmuir, 2020, 36, 388-396.	3.5	6
7	Innate immune activation by conditioned medium of cancer cells following combined phototherapy with photosensitizer-loaded gold nanorods. Journal of Materials Chemistry B, 2020, 8, 10812-10824.	5.8	17
8	Polyelectrolyte stiffness on gold nanorods mediates cell membrane damage. Nanoscale, 2020, 12, 14021-14036.	5.6	14
9	Rapid Detection of Carbapenemase-Producing Enterobacteriacae Based on Surface-Enhanced Raman Spectroscopy with Gold Nanostars. ACS Infectious Diseases, 2020, 6, 947-953.	3.8	13
10	Light-independent M1 macrophage polarization by photosensitizer-loaded protein corona on gold nanorods. Nanomedicine, 2020, 15, 2329-2344.	3.3	1
11	Mannitol-induced gold nanoparticle aggregation for the ligand-free detection of viral particles. Analyst, The, 2019, 144, 5486-5496.	3.5	13
12	Gold Nanorods Coated with Apolipoprotein E Protein Corona for Drug Delivery. ACS Applied Nano Materials, 2019, 2, 6220-6229.	5.0	23
13	Polydopamine Coating Enhances Mucopenetration and Cell Uptake of Nanoparticles. ACS Applied Materials & Interfaces, 2019, 11, 4777-4789.	8.0	70
14	Mucopenetration and biocompatibility of polydopamine surfaces for delivery in an Ex Vivo porcine bladder. Journal of Controlled Release, 2019, 300, 161-173.	9.9	34
15	Exploiting Protein Corona around Gold Nanoparticles Conjugated to p53 Activating Peptides To Increase the Level of Stable p53 Proteins in Cells. Bioconjugate Chemistry, 2019, 30, 920-930.	3.6	10
16	Enhanced Secretion of Functional Insulin with DNA-Functionalized Gold Nanoparticles in Cells. ACS Biomaterials Science and Engineering, 2019, 5, 1602-1610.	5.2	2
17	Quantifying Vascular Distribution and Adhesion of Nanoparticles with Protein Corona in Microflow. Langmuir, 2018, 34, 3731-3741.	3.5	7
18	Complement Activation by PEGylated Gold Nanoparticles. Bioconjugate Chemistry, 2018, 29, 976-981.	3.6	29

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19	Universal mRNA Translation Enhancement with Gold Nanoparticles Conjugated to Oligonucleotides with a Poly(T) Sequence. ACS Applied Materials & Interfaces, 2018, 10, 5203-5212.	8.0	21
20	Complement activation by gold nanoparticles passivated with polyelectrolyte ligands. RSC Advances, 2018, 8, 6616-6619.	3.6	7
21	Protein corona in drug delivery for multimodal cancer therapyin vivo. Nanoscale, 2018, 10, 2461-2472.	5.6	50
22	Quantitative and Label-Free Detection of Protein Kinase A Activity Based on Surface-Enhanced Raman Spectroscopy with Gold Nanostars. Analytical Chemistry, 2018, 90, 6071-6080.	6.5	56
23	Protein Corona Formed from Different Blood Plasma Proteins Affects the Colloidal Stability of Nanoparticles Differently. Bioconjugate Chemistry, 2018, 29, 3923-3934.	3.6	49
24	Size-dependent neutralizing activity of gold nanoparticle-based subunit vaccine against dengue virus. Acta Biomaterialia, 2018, 78, 224-235.	8.3	43
25	Polydopamine Nanoparticles Enhance Drug Release for Combined Photodynamic and Photothermal Therapy. ACS Applied Materials & Interfaces, 2018, 10, 21125-21136.	8.0	217
26	Influence of protein corona and caveolae-mediated endocytosis on nanoparticle uptake and transcytosis. Nanoscale, 2018, 10, 12386-12397.	5.6	68
27	Exploiting the Protein Corona from Cell Lysate on DNA Functionalized Gold Nanoparticles for Enhanced mRNA Translation. ACS Applied Materials & Interfaces, 2017, 9, 10408-10417.	8.0	18
28	Exploiting the Anti-Aggregation of Gold Nanostars for Rapid Detection of Hand, Foot, and Mouth Disease Causing Enterovirus 71 Using Surface-Enhanced Raman Spectroscopy. Analytical Chemistry, 2017, 89, 5373-5381.	6.5	37
29	A Facile Method to Probe the Vascular Permeability of Nanoparticles in Nanomedicine Applications. Scientific Reports, 2017, 7, 707.	3.3	49
30	Protein Corona around Gold Nanorods as a Drug Carrier for Multimodal Cancer Therapy. ACS Biomaterials Science and Engineering, 2017, 3, 1039-1050.	5.2	36
31	Optimizing the SERS enhancement of a facile gold nanostar immobilized paper-based SERS substrate. RSC Advances, 2017, 7, 16264-16272.	3.6	88
32	Non-specific adsorption of complement proteins affects complement activation pathways of gold nanomaterials. Nanotoxicology, 2017, 11, 382-394.	3.0	28
33	Increased serum levels of macrophage activation marker sCD163 in Dengue patients. Journal of Clinical Virology, 2017, 86, 62-67.	3.1	9
34	Preparation and characterization of an amylase-triggered dextrin-linked graphene oxide anticancer drug nanocarrier and its vascular permeability. International Journal of Pharmaceutics, 2017, 534, 297-307.	5.2	18
35	Exploiting the protein corona around gold nanorods for low-dose combined photothermal and photodynamic therapy. Journal of Materials Chemistry B, 2017, 5, 254-268.	5.8	70
36	Componentâ€Specific Analysis of Plasma Protein Corona Formation on Gold Nanoparticles Using Multiplexed Surface Plasmon Resonance. Small, 2016, 12, 1174-1182.	10.0	49

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37	Aggregation and protein corona formation on gold nanoparticles affect viability and liver functions of primary rat hepatocytes. Nanomedicine, 2016, 11, 2275-2287.	3.3	17
38	Nanoparticle drug delivery systems and their use in cardiac tissue therapy. Nanomedicine, 2016, 11, 693-714.	3.3	37
39	Optimizing gold nanostars as a colloid-based surface-enhanced Raman scattering (SERS) substrate. Journal of Optics (United Kingdom), 2015, 17, 114013.	2.2	49
40	Understanding aggregation-based assays: nature of protein corona and number of epitopes on antigen matters. RSC Advances, 2015, 5, 14982-14993.	3.6	28
41	An instantaneous colorimetric protein assay based on spontaneous formation of a protein corona on gold nanoparticles. Analyst, The, 2015, 140, 1026-1036.	3.5	39
42	Protein Coronas on Gold Nanorods Passivated with Amphiphilic Ligands Affect Cytotoxicity and Cellular Response to Penicillin/Streptomycin. ACS Nano, 2014, 8, 4608-4620.	14.6	55
43	Stability and Aggregation Assays of Nanoparticles in Biological Media. Methods in Molecular Biology, 2013, 1025, 119-126.	0.9	14
44	Optimizing the Properties of the Protein Corona Surrounding Nanoparticles for Tuning Payload Release. ACS Nano, 2013, 7, 10066-10074.	14.6	121
45	Dark-field circular depolarization optical coherence microscopy. Biomedical Optics Express, 2013, 4, 1683.	2.9	5
46	Nanoparticle Interface to Biology: Applications in Probing and Modulating Biological Processes. Critical Reviews in Biomedical Engineering, 2013, 41, 323-341.	0.9	7
47	Exploiting the Protein Corona around Gold Nanorods for Loading and Triggered Release. ACS Nano, 2012, 6, 6730-6740.	14.6	170
48	Stability of Gold Nanorods Passivated with Amphiphilic Ligands. Langmuir, 2012, 28, 8834-8844.	3.5	47
49	Control of optical contrast using gold nanoshells for optical coherence tomography imaging of mouse xenograft tumor model in vivo. Journal of Biomedical Optics, 2009, 14, 054015.	2.6	45
50	Concentration dependence of gold nanoshells on the enhancement of optical coherence tomography images: a quantitative study. Applied Optics, 2009, 48, D96.	2.1	29
51	Critical parameters in the pegylation of gold nanoshells for biomedical applications: Anin vitromacrophage study. Journal of Drug Targeting, 2009, 17, 181-193.	4.4	99
52	Synthesis of gold nanoshells based on the depositionprecipitation process. Gold Bulletin, 2008, 41, 23-36.	2.7	78
53	Combinatorial treatment of photothermal therapy using gold nanoshells with conventional photodynamic therapy to improve treatment efficacy: An in vitro study. Lasers in Surgery and Medicine, 2008, 40, 584-589.	2.1	47
54	Molecular contrast of EGFR expression using gold nanoparticles as a reflectance-based imaging probe. Molecular and Cellular Probes, 2008, 22, 14-23.	2.1	34

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55	Synthesis of Contiguous Silicaâ^'Gold Coreâ^'Shell Structures:â€‰ Critical Parameters and Processes. Langmuir, 2008, 24, 5109-5112.	3.5	73
56	Endoscopic image analysis of photosensitizer fluorescence as a promising noninvasive approach for pathological grading of bladder cancer in situ. Journal of Biomedical Optics, 2008, 13, 054022.	2.6	20
57	The Use of Gold Nanoshells in Cancer Imaging and Therapy. , 2008, , .		0
58	APPLICATIONS OF GOLD NANOPARTICLES IN THE EARLY DETECTION OF CANCER. Journal of Mechanics in Medicine and Biology, 2007, 07, 19-35.	0.7	9
59	Improving the optical contrast of backscattering signal in reflectance-based imaging with gold nanoshells. Proceedings of SPIE, 2007, , .	0.8	0
60	Absorption effects in optical coherence tomography modeling. , 2007, , .		0
61	Early diagnosis of oral cancer based on the surface plasmon resonance of gold nanoparticles. International Journal of Nanomedicine, 2007, 2, 785-98.	6.7	89
62	Application of antibody-conjugated gold nanoparticles for optical molecular imaging of epithelial carcinoma cells. , 2006, , .		1
63	Pathological diagnosis of bladder cancer by image analysis of hypericin induced fluorescence cystoscopic images. , 2005, 5863, 162.		2