

# Charalambos Kaittanis

## List of Publications by Year in descending order

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33  
papers

4,932  
citations

236925

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361022

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36  
docs citations

36  
times ranked

7884  
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxidase-Like Activity of Polymer-Coated Cerium Oxide Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 2308-2312.	13.8	1,015
2	Surface-Charge-Dependent Cell Localization and Cytotoxicity of Cerium Oxide Nanoparticles. <i>ACS Nano</i> , 2010, 4, 5321-5331.	14.6	581
3	Drug/Dye-Loaded, Multifunctional Iron Oxide Nanoparticles for Combined Targeted Cancer Therapy and Dual Optical/Magnetic Resonance Imaging. <i>Small</i> , 2009, 5, 1862-1868.	10.0	343
4	Synthesis of Biocompatible Dextran-Coated Nanoceria with pH-Dependent Antioxidant Properties. <i>Small</i> , 2008, 4, 552-556.	10.0	337
5	Cell-Specific, Activatable, and Theranostic Prodrug for Dual-Targeted Cancer Imaging and Therapy. <i>Journal of the American Chemical Society</i> , 2011, 133, 16680-16688.	13.7	264
6	Emerging nanotechnology-based strategies for the identification of microbial pathogenesis. <i>Advanced Drug Delivery Reviews</i> , 2010, 62, 408-423.	13.7	260
7	pH-Tunable Oxidase-Like Activity of Cerium Oxide Nanoparticles Achieving Sensitive Fluorogenic Detection of Cancer Biomarkers at Neutral pH. <i>Analytical Chemistry</i> , 2011, 83, 2547-2553.	6.5	232
8	One-Step, Nanoparticle-Mediated Bacterial Detection with Magnetic Relaxation. <i>Nano Letters</i> , 2007, 7, 380-383.	9.1	202
9	FDA-approved ferumoxytol displays anti-leukaemia efficacy against cells with low ferroportin levels. <i>Nature Nanotechnology</i> , 2019, 14, 616-622.	31.5	199
10	Prostate-specific membrane antigen cleavage of vitamin B9 stimulates oncogenic signaling through metabotropic glutamate receptors. <i>Journal of Experimental Medicine</i> , 2018, 215, 159-175.	8.5	121
11	Dextran-Coated Gold Nanoparticles for the Assessment of Antimicrobial Susceptibility. <i>Analytical Chemistry</i> , 2008, 80, 1033-1038.	6.5	112
12	Gadolinium-Encapsulating Iron Oxide Nanoprobe as Activatable NMR/MRI Contrast Agent. <i>ACS Nano</i> , 2012, 6, 7281-7294.	14.6	108
13	Cytochrome <i>c</i> Encapsulating Theranostic Nanoparticles: A Novel Bifunctional System for Targeted Delivery of Therapeutic Membrane-Impermeable Proteins to Tumors and Imaging of Cancer Therapy. <i>Molecular Pharmaceutics</i> , 2010, 7, 1209-1222.	4.6	102
14	Role of Nanoparticle Valency in the Nondestructive Magnetic-Relaxation-Mediated Detection and Magnetic Isolation of Cells in Complex Media. <i>Journal of the American Chemical Society</i> , 2009, 131, 12780-12791.	13.7	96
15	Environment-responsive nanophores for therapy and treatment monitoring via molecular MRI quenching. <i>Nature Communications</i> , 2014, 5, 3384.	12.8	92
16	Synthesis, Magnetic Characterization, and Sensing Applications of Novel Dextran-Coated Iron Oxide Nanorods. <i>Chemistry of Materials</i> , 2009, 21, 1761-1767.	6.7	91
17	Mature B cells accelerate wound healing after acute and chronic diabetic skin lesions. <i>Wound Repair and Regeneration</i> , 2017, 25, 774-791.	3.0	84
18	Chaperonin Containing TCP-1 Protein Level in Breast Cancer Cells Predicts Therapeutic Application of a Cytotoxic Peptide. <i>Clinical Cancer Research</i> , 2016, 22, 4366-4379.	7.0	71

#	ARTICLE	IF	CITATIONS
19	PSMA-Targeted Theranostic Nanocarrier for Prostate Cancer. <i>Theranostics</i> , 2017, 7, 2477-2494.	10.0	59
20	Aliphatic Hyperbranched Polyester: A New Building Block in the Construction of Multifunctional Nanoparticles and Nanocomposites. <i>Langmuir</i> , 2010, 26, 5364-5373.	3.5	56
21	The Assembly State between Magnetic Nanosensors and Their Targets Orchestrates Their Magnetic Relaxation Response. <i>Journal of the American Chemical Society</i> , 2011, 133, 3668-3676.	13.7	47
22	Rapid Nanoparticle-Mediated Monitoring of Bacterial Metabolic Activity and Assessment of Antimicrobial Susceptibility in Blood with Magnetic Relaxation. <i>PLoS ONE</i> , 2008, 3, e3253.	2.5	42
23	A cerium oxide nanoparticle-based device for the detection of chronic inflammation via optical and magnetic resonance imaging. <i>Nanoscale</i> , 2012, 4, 2117.	5.6	39
24	Heat-induced radiolabeling and fluorescence labeling of Feraheme nanoparticles for PET/SPECT imaging and flow cytometry. <i>Nature Protocols</i> , 2018, 13, 392-412.	12.0	39
25	Multifunctional MRI/PET Nanobeacons Derived from the in Situ Self-Assembly of Translational Polymers and Clinical Cargo through Coalescent Intermolecular Forces. <i>Nano Letters</i> , 2015, 15, 8032-8043.	9.1	25
26	Dawn of Advanced Molecular Medicine: Nanotechnological Advancements in Cancer Imaging and Therapy. <i>Critical Reviews in Oncogenesis</i> , 2014, 19, 143-176.	0.4	22
27	Rapid and Sensitive Detection of an Intracellular Pathogen in Human Peripheral Leukocytes with Hybridizing Magnetic Relaxation Nanosensors. <i>PLoS ONE</i> , 2012, 7, e35326.	2.5	20
28	Targetable Clinical Nanoparticles for Precision Cancer Therapy Based on Disease-Specific Molecular Inflection Points. <i>Nano Letters</i> , 2017, 17, 7160-7168.	9.1	15
29	An Integrin-Targeted, Highly Diffusive Construct for Photodynamic Therapy. <i>Scientific Reports</i> , 2017, 7, 13375.	3.3	14
30	Heat-induced-radiolabeling and click chemistry: A powerful combination for generating multifunctional nanomaterials. <i>PLoS ONE</i> , 2017, 12, e0172722.	2.5	14
31	Assessment of Molecular Interactions through Magnetic Relaxation. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 6728-6732.	13.8	13
32	Identification of Molecular-Mimicry-Based Ligands for Cholera Diagnostics using Magnetic Relaxation. <i>Bioconjugate Chemistry</i> , 2011, 22, 307-314.	3.6	10
33	Identification of Toxin Inhibitors Using a Magnetic Nanosensor-Based Assay. <i>Small</i> , 2014, 10, 1202-1211.	10.0	6