

# Kenneth A Christensen

## List of Publications by Year in descending order

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65  
papers

4,022  
citations

218677

26  
h-index

144013

57  
g-index

69  
all docs

69  
docs citations

69  
times ranked

5062  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multicolor Conjugated Polymer Dots for Biological Fluorescence Imaging. ACS Nano, 2008, 2, 2415-2423.	14.6	656
2	pH-dependent regulation of lysosomal calcium in macrophages. Journal of Cell Science, 2002, 115, 599-607.	2.0	426
3	Ratiometric Single-Nanoparticle Oxygen Sensors for Biological Imaging. Angewandte Chemie - International Edition, 2009, 48, 2741-2745.	13.8	345
4	pH-dependent regulation of lysosomal calcium in macrophages. Journal of Cell Science, 2002, 115, 599-607.	2.0	342
5	Fluorescence Resonance Energy Transfer-Based Stoichiometry in Living Cells. Biophysical Journal, 2002, 83, 3652-3664.	0.5	327
6	Mechanism of Cellular Uptake of Highly Fluorescent Conjugated Polymer Nanoparticles. Biomacromolecules, 2010, 11, 2675-2682.	5.4	175
7	Binding Stoichiometry and Kinetics of the Interaction of a Human Anthrax Toxin Receptor, CMG2, with Protective Antigen. Journal of Biological Chemistry, 2004, 279, 23349-23356.	3.4	149
8	Membrane perforations inhibit lysosome fusion by altering pH and calcium in Listeria monocytogenes vacuoles. Cellular Microbiology, 2006, 8, 781-792.	2.1	148
9	Acid-induced Unfolding of the Amino-terminal Domains of the Lethal and Edema Factors of Anthrax Toxin. Journal of Molecular Biology, 2004, 344, 739-756.	4.2	130
10	Surface-Enhanced Raman Scattering Detection of pH with Silica-Encapsulated 4-Mercaptobenzoic Acid-Functionalized Silver Nanoparticles. Analytical Chemistry, 2012, 84, 8013-8019.	6.5	115
11	Adaptive immunity induces mutualism between commensal eukaryotes. Nature, 2021, 596, 114-118.	27.8	110
12	Incorporating functionalized polyethylene glycol lipids into reprecipitated conjugated polymernanoparticles for bioconjugation and targeted labeling of cells. Nanoscale, 2011, 3, 1037-1045.	5.6	86
13	Biocompatible PEGDA Resin for 3D Printing. ACS Applied Bio Materials, 2020, 3, 2239-2244.	4.6	79
14	Hyperspectral Raman Microscopic Imaging Using Powell Lens Line Illumination. Applied Spectroscopy, 1998, 52, 1145-1147.	2.2	77
15	Spatially and optically tailored 3D printing for highly miniaturized and integrated microfluidics. Nature Communications, 2021, 12, 5509.	12.8	70
16	Monitoring the Kinetics of Bacillus subtilis Endospore Germination via Surface-Enhanced Raman Scattering Spectroscopy. Analytical Chemistry, 2006, 78, 1724-1729.	6.5	50
17	Membrane chromatography: Protein purification from E. coli lysate using newly designed and commercial anion-exchange stationary phases. Journal of Chromatography A, 2010, 1217, 4946-4957.	3.7	47
18	Anthrax toxin complexes: heptameric protective antigen can bind lethal factor and edema factor simultaneously. Biochemical and Biophysical Research Communications, 2004, 322, 258-262.	2.1	45

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19	Monitoring DPA Release from a Single Germinating <i>Bacillus subtilis</i> Endospore via Surface-Enhanced Raman Scattering Microscopy. <i>Journal of the American Chemical Society</i> , 2006, 128, 12618-12619.	13.7	44
20	Selective Interactions of Sugar-Functionalized Single-Walled Carbon Nanotubes with <i>Bacillus</i> Spores. <i>ACS Nano</i> , 2009, 3, 3909-3916.	14.6	43
21	Perfluorocyclopentenyl (PFCP) Aryl Ether Polymers via Polycondensation of Octafluorocyclopentene with Bisphenols. <i>Macromolecules</i> , 2012, 45, 766-771.	4.8	36
22	Mutant Anthrax Toxin B Moiety (Protective Antigen) Inhibits Angiogenesis and Tumor Growth. <i>Cancer Research</i> , 2007, 67, 9980-9985.	0.9	33
23	A FRET-Based High Throughput Screening Assay to Identify Inhibitors of Anthrax Protective Antigen Binding to Capillary Morphogenesis Gene 2 Protein. <i>PLoS ONE</i> , 2012, 7, e39911.	2.5	32
24	Structure of Dihydrogen Phosphate Ion Aggregates by Raman-Monitored Serial Dilution. <i>Applied Spectroscopy</i> , 1998, 52, 259-264.	2.2	31
25	Quercetin, a fluorescent bioflavonoid, inhibits <i>Trypanosoma brucei</i> hexokinase 1. <i>Experimental Parasitology</i> , 2011, 127, 423-428.	1.2	28
26	Raman Imaging Using a Tunable Dual-Stage Liquid Crystal Fabry-Perot Interferometer. <i>Applied Spectroscopy</i> , 1995, 49, 1120-1125.	2.2	27
27	Nanosecond transients in the electroluminescence from multilayer blue organic light-emitting devices based on 4,4'-bis(2,2'-diphenylvinyl)-1,1'-biphenyl. <i>Applied Physics Letters</i> , 2000, 76, 1501-1503. <sup>3,3</sup>		27
28	1,2,3,4,6-Penta-O-galloyl- $\beta$ -D-glucopyranose Inhibits Angiogenesis via Inhibition of Capillary Morphogenesis Gene 2. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 1940-1945.	6.4	27
29	Membrane Insertion by Anthrax Protective Antigen in Cultured Cells. <i>Molecular and Cellular Biology</i> , 2005, 25, 5492-5498.	2.3	24
30	Interaction of the 20 kDa and 63 kDa Fragments of Anthrax Protective Antigen: Kinetics and Thermodynamics. <i>Biochemistry</i> , 2005, 44, 1047-1053.	2.5	23
31	Assembly and Disassembly Kinetics of Anthrax Toxin Complexes. <i>Biochemistry</i> , 2006, 45, 2380-2386.	2.5	21
32	Identification of Small Molecules That Inhibit the Interaction of TEM8 with Anthrax Protective Antigen Using a FRET Assay. <i>Journal of Biomolecular Screening</i> , 2013, 18, 714-725.	2.6	20
33	Peptide-Targeted Delivery of a pH Sensor for Quantitative Measurements of Intraglycosomal pH in Live <i>Trypanosoma brucei</i> . <i>Biochemistry</i> , 2013, 52, 3629-3637.	2.5	16
34	Soluble ECM promotes organotypic formation in lung alveolar model. <i>Biomaterials</i> , 2022, 283, 121464.	11.4	16
35	Plasmonic Silver Nanobelts via Citrate Reduction in the Presence of HCl and their Orientation-Dependent Scattering Properties. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 1742-1746.	4.6	14
36	TNK1 is a ubiquitin-binding and 14-3-3-regulated kinase that can be targeted to block tumor growth. <i>Nature Communications</i> , 2021, 12, 5337.	12.8	14

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37	The relative brightness of PEG lipid-conjugated polymer nanoparticles as fluid-phase markers in live cells. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 3003-3014.	3.7	11
38	Head group-functionalized poly(ethyleneglycol)-lipid (PEG-lipid) surface modification for highly selective analyte extractions on capillary-channeled polymer (C-CP) fibers. <i>Analyst</i> , 2014, 139, 2108.	3.5	11
39	Galloyl Carbohydrates with Antiangiogenic Activity Mediated by Capillary Morphogenesis Gene 2 (CMG2) Protein Binding. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 3958-3970.	6.4	10
40	Nanosecond electroluminescence (EL) spikes at the voltage turn-off from a small molecular organic light-emitting device (OLED). <i>Synthetic Metals</i> , 2001, 121, 1713-1714.	3.9	7
41	Lucifer Yellow as a Live Cell Fluorescent Probe for Imaging Water Transport in Subcellular Organelles. <i>Applied Spectroscopy</i> , 2011, 65, 20-25.	2.2	7
42	Core-shell silver nanoparticles for optical labeling of cells. <i>Analytical Biochemistry</i> , 2014, 458, 43-48.	2.4	7
43	Preparation of biphenyl perfluorocyclobutyl (BP-PFCB) polyethylene glycol (PEG) copolymers by the formation of fluorinated arylene vinylene ether (FAVE). <i>Polymer Bulletin</i> , 2015, 72, 1393-1405.	3.3	6
44	Effects from metal ion in tumor endothelial marker 8 and anthrax protective antigen: BioLayer Interferometry experiment and molecular dynamics simulation study. <i>Journal of Computational Chemistry</i> , 2017, 38, 1183-1190.	3.3	6
45	Synthesis and characterization of ethyl benzotriazolyl acrylate-based fluorophores for live cell-based imaging applications. <i>RSC Advances</i> , 2019, 9, 8759-8767.	3.6	6
46	A Microfluidic-Based Microscopy Platform for Continuous Interrogation of <i>Trypanosoma brucei</i> during Environmental Perturbation. <i>Biochemistry</i> , 2019, 58, 875-882.	2.5	6
47	FRET Flow Cytometry-Based High Throughput Screening Assay To Identify Disruptors of Glucose Levels in <i>Trypanosoma brucei</i> . <i>ACS Infectious Diseases</i> , 2018, 4, 1058-1066.	3.8	5
48	Nanosecond electroluminescence spikes from multilayer blue 4,4'-bis(2,2'-diphenyl vinyl)-1,1'-biphenyl (DPVBi) organic light-emitting devices. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2001, 85, 224-227.	3.5	4
49	pH regulation in glycosomes of procyclic form <i>Trypanosoma brucei</i> . <i>Journal of Biological Chemistry</i> , 2017, 292, 7795-7805.	3.4	4
50	Capillary morphogenesis gene 2 (CMG2) mediates growth factor-induced angiogenesis by regulating endothelial cell chemotaxis. <i>Angiogenesis</i> , 2022, 25, 397-410.	7.2	4
51	Synthesis and characterization of a biphenyl perfluorocyclobutyl (BP-PFCB) polyethylene glycol (PEG) blend compatibilizer. <i>Polymers for Advanced Technologies</i> , 2016, 27, 1389-1396.	3.2	3
52	A targeted delivery strategy for the development of potent trypanocides. <i>Chemical Communications</i> , 2017, 53, 8735-8738.	4.1	3
53	A Canstatin-Derived Peptide Provides Insight into the Role of Capillary Morphogenesis Gene 2 in Angiogenic Regulation and Matrix Uptake. <i>ACS Chemical Biology</i> , 2020, 15, 587-596.	3.4	3
54	Synthesis and characterization of benzotriazolyl acrylonitrile analogs-based donor-acceptor molecules: Optical properties, in vitro cytotoxicity, and cellular imaging. <i>Dyes and Pigments</i> , 2021, 189, 109251.	3.7	3

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55	CD4 Inhibits Helper T Cell Activation at Lower Affinity Threshold for Full-Length T Cell Receptors Than Single Chain Signaling Constructs. <i>Frontiers in Immunology</i> , 2020, 11, 561889.	4.8	3
56	Preparation of segmented semifluorinated poly(aryl ether)s from aromatic trifluorovinyl ethers and oligo(ethylene glycol)s. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	2
57	Full Spectrum Raman Imaging of Glasses and Other Materials. <i>Microscopy and Microanalysis</i> , 1997, 3, 855-856.	0.4	0
58	A FRET flow cytometry method for monitoring cytosolic and glycosomal glucose in living kinetoplastid parasites. <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0006523.	3.0	0
59	Discovering Drug Targets in <i>Trypanosoma brucei</i> by Thermal Proteome Profiling. <i>FASEB Journal</i> , 2021, 35, .	0.5	0
60	Abstract 1381: A high-throughput assay for tumor endothelial marker-8 (TEM8/ANTXR1) inhibitors. , 2011, , .		0
61	Abstract 5292: Identification of antiangiogenic small molecule natural products targeting anthrax toxin receptor 2. , 2012, , .		0
62	Abstract 3890: Antiangiogenic small molecule antagonists of the anthrax toxin receptor CMG2.. , 2013, , .		0
63	Abstract 5076: Identification and anti-angiogenic effects of small molecule inhibitors of TEM8.. , 2013, , .		0
64	Raman imaging in the real world. <i>Proceedings Annual Meeting Electron Microscopy Society of America</i> , 1996, 54, 254-255.	0.0	0
65	Abstract 207: CMG2 regulates angiogenesis through interactions with extracellular matrix. , 2019, , .		0