

# Ryan F Landis

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

2,111  
citations

257450

24  
h-index

377865

34  
g-index

35  
all docs

35  
docs citations

35  
times ranked

3587  
citing authors

#	ARTICLE	IF	CITATIONS
1	High affinity protein surface binding through co-engineering of nanoparticles and proteins. <i>Nanoscale</i> , 2022, 14, 2411-2418.	5.6	7
2	Intracellular Activation of Anticancer Therapeutics Using Polymeric Bioorthogonal Nanocatalysts. <i>Advanced Healthcare Materials</i> , 2021, 10, e2001627.	7.6	26
3	Polymeric Nanoparticles Active against Dual-Species Bacterial Biofilms. <i>Molecules</i> , 2021, 26, 4958.	3.8	9
4	Nanotherapeutics using all-natural materials. Effective treatment of wound biofilm infections using crosslinked nanoemulsions. <i>Materials Horizons</i> , 2021, 8, 1776-1782.	12.2	27
5	High-content and high-throughput identification of macrophage polarization phenotypes. <i>Chemical Science</i> , 2020, 11, 8231-8239.	7.4	23
6	Thermally Gated Bio-orthogonal Nanozymes with Supramolecularly Confined Porphyrin Catalysts for Antimicrobial Uses. <i>CheM</i> , 2020, 6, 1113-1124.	11.7	62
7	Functionalized Polymers Enhance Permeability of Antibiotics in Gram-Negative MDR Bacteria and Biofilms for Synergistic Antimicrobial Therapy. <i>Advanced Therapeutics</i> , 2020, 3, 2000005.	3.2	20
8	Phytochemical-Based Nanocomposites for the Treatment of Bacterial Biofilms. <i>ACS Infectious Diseases</i> , 2019, 5, 1590-1596.	3.8	34
9	Rapid Identification of Biofilms Using a Robust Multichannel Polymer Sensor Array. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 11202-11208.	8.0	39
10	Water-Dispersible and Biocompatible Iron Carbide Nanoparticles with High Specific Absorption Rate. <i>ACS Nano</i> , 2019, 13, 2870-2878.	14.6	41
11	Control of Intra- versus Extracellular Bioorthogonal Catalysis Using Surface-Engineered Nanozymes. <i>ACS Nano</i> , 2019, 13, 229-235.	14.6	61
12	Biodegradable Nanocomposite Antimicrobials for the Eradication of Multidrug-Resistant Bacterial Biofilms without Accumulated Resistance. <i>Journal of the American Chemical Society</i> , 2018, 140, 6176-6182.	13.7	92
13	Stable and oxidant responsive zwitterionic nanoclusters. <i>Nanoscale</i> , 2018, 10, 7382-7386.	5.6	10
14	Dual Functionalization of Nanoparticles for Generating Corona-Free and Noncytotoxic Silica Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 41917-41923.	8.0	31
15	Dynamically crosslinked polymer nanocomposites to treat multidrug-resistant bacterial biofilms. <i>Nanoscale</i> , 2018, 10, 18651-18656.	5.6	20
16	Engineered Polymer Nanoparticles with Unprecedented Antimicrobial Efficacy and Therapeutic Indices against Multidrug-Resistant Bacteria and Biofilms. <i>Journal of the American Chemical Society</i> , 2018, 140, 12137-12143.	13.7	128
17	A Rapid and Robust Diagnostic for Liver Fibrosis Using a Multichannel Polymer Sensor Array. <i>Advanced Materials</i> , 2018, 30, e1800634.	21.0	62
18	Nanocapsule-mediated cytosolic siRNA delivery for anti-inflammatory treatment. <i>Journal of Controlled Release</i> , 2018, 283, 235-240.	9.9	28

#	ARTICLE	IF	CITATIONS
19	Enhanced Laser Desorption/Ionization Mass Spectrometric Detection of Biomolecules Using Gold Nanoparticles, Matrix, and the Coffee Ring Effect. <i>Analytical Chemistry</i> , 2017, 89, 3009-3014.	6.5	32
20	Sensing by Smell: Nanoparticle-Enzyme Sensors for Rapid and Sensitive Detection of Bacteria with Olfactory Output. <i>ACS Nano</i> , 2017, 11, 5339-5343.	14.6	41
21	Synergistic antimicrobial therapy using nanoparticles and antibiotics for the treatment of multidrug-resistant bacterial infection. <i>Nano Futures</i> , 2017, 1, 015004.	2.2	75
22	Cross-Linked Polymer-Stabilized Nanocomposites for the Treatment of Bacterial Biofilms. <i>ACS Nano</i> , 2017, 11, 946-952.	14.6	71
23	Nanoparticle-Based Antimicrobials: Surface Functionality is Critical. <i>F1000Research</i> , 2016, 5, 364.	1.6	119
24	Ultrastable and Biofunctionalizable Gold Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 14096-14101.	8.0	127
25	Facile synthesis of cationic gold nanoparticles with controlled size and surface plasmon resonance. <i>RSC Advances</i> , 2016, 6, 92007-92010.	3.6	5
26	Fully Zwitterionic Nanoparticle Antimicrobial Agents through Tuning of Core Size and Ligand Structure. <i>ACS Nano</i> , 2016, 10, 8732-8737.	14.6	118
27	Nanocomposites: Hybrid Organic-Inorganic Colloidal Composite "Sponges"™ via Internal Crosslinking (Small 11/2015). <i>Small</i> , 2015, 11, 1301-1301.	10.0	0
28	Enhanced Laser Desorption/Ionization Mass Spectrometric Detection of Gold Nanoparticles in Biological Samples Using the Synergy between Added Matrix and the Gold Core. <i>Analytical Chemistry</i> , 2015, 87, 12145-12150.	6.5	14
29	Nanoparticle-Stabilized Capsules for the Treatment of Bacterial Biofilms. <i>ACS Nano</i> , 2015, 9, 7775-7782.	14.6	172
30	Continuous synthesis of high quality CdSe quantum dots in supercritical fluids. <i>Journal of Materials Chemistry C</i> , 2015, 3, 7561-7566.	5.5	30
31	Zwitterionic Ligands Bound to Cdse/Zns Quantum Dots Prevent Adhesion to Mammalian Cells. Phosphorus, Sulfur and Silicon and the Related Elements, 2015, 190, 2302-2306.	1.6	7
32	Hybrid Organic-Inorganic Colloidal Composite "Sponges"™ via Internal Crosslinking. <i>Small</i> , 2015, 11, 1302-1309.	10.0	17
33	Control of nanoparticle penetration into biofilms through surface design. <i>Chemical Communications</i> , 2015, 51, 282-285.	4.1	133
34	Gold Nanoparticles for Nucleic Acid Delivery. <i>Molecular Therapy</i> , 2014, 22, 1075-1083.	8.2	401
35	Solvatochromic probes for detecting hydrogen-bond-donating solvents. <i>Chemical Communications</i> , 2014, 50, 4579.	4.1	29