Ryan F Landis

List of Publications by Year
in descending order

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	Gold Nanoparticles for Nucleic Acid Delivery. Molecular Therapy, 2014, 22, 1075-1083.	8.2	401
2	Nanoparticle-Stabilized Capsules for the Treatment of Bacterial Biofilms. ACS Nano, 2015, 9, 7775-7782.	14.6	172
3	Control of nanoparticle penetration into biofilms through surface design. Chemical Communications, 2015, 51, 282-285.	4.1	133
4	Engineered Polymer Nanoparticles with Unprecedented Antimicrobial Efficacy and Therapeutic Indices against Multidrug-Resistant Bacteria and Biofilms. Journal of the American Chemical Society, 2018, 140, 12137-12143.	13.7	128
5	Ultrastable and Biofunctionalizable Gold Nanoparticles. ACS Applied Materials & Interfaces, 2016, 8, 14096-14101.	8.0	127
6	Nanoparticle-Based Antimicrobials: Surface Functionality is Critical. F1000Research, 2016, 5, 364.	1.6	119
7	Fully Zwitterionic Nanoparticle Antimicrobial Agents through Tuning of Core Size and Ligand Structure. ACS Nano, 2016, 10, 8732-8737.	14.6	118
8	Biodegradable Nanocomposite Antimicrobials for the Eradication of Multidrug-Resistant Bacterial Biofilms without Accumulated Resistance. Journal of the American Chemical Society, 2018, 140, 6176-6182.	13.7	92
9	Synergistic antimicrobial therapy using nanoparticles and antibiotics for the treatment of multidrug-resistant bacterial infection. Nano Futures, 2017, 1, 015004.	2.2	75
10	Cross-Linked Polymer-Stabilized Nanocomposites for the Treatment of Bacterial Biofilms. ACS Nano, 2017, 11, 946-952.	14.6	71
11	A Rapid and Robust Diagnostic for Liver Fibrosis Using a Multichannel Polymer Sensor Array. Advanced Materials, 2018, 30, e1800634.	21.0	62
12	Thermally Gated Bio-orthogonal Nanozymes with Supramolecularly Confined Porphyrin Catalysts for Antimicrobial Uses. CheM, 2020, 6, 1113-1124.	11.7	62
13	Control of Intra- versus Extracellular Bioorthogonal Catalysis Using Surface-Engineered Nanozymes. ACS Nano, 2019, 13, 229-235.	14.6	61
14	Sensing by Smell: Nanoparticleâ€“Enzyme Sensors for Rapid and Sensitive Detection of Bacteria with Olfactory Output. ACS Nano, 2017, 11, 5339-5343.	14.6	41
15	Water-Dispersible and Biocompatible Iron Carbide Nanoparticles with High Specific Absorption Rate. ACS Nano, 2019, 13, 2870-2878.	14.6	41
16	Rapid Identification of Biofilms Using a Robust Multichannel Polymer Sensor Array. ACS Applied Materials & Interfaces, 2019, 11, 11202-11208.	8.0	39
17	Phytochemical-Based Nanocomposites for the Treatment of Bacterial Biofilms. ACS Infectious Diseases, 2019, 5, 1590-1596.	3.8	34
18	Enhanced Laser Desorption/Ionization Mass Spectrometric Detection of Biomolecules Using Gold Nanoparticles, Matrix, and the Coffee Ring Effect. Analytical Chemistry, 2017, 89, 3009-3014.	6.5	32

#	Article	IF	Citations
19	Dual Functionalization of Nanoparticles for Generating Corona-Free and Noncytotoxic Silica Nanoparticles. ACS Applied Materials & Interfaces, 2018, 10, 41917-41923.	8.0	31
20	Continuous synthesis of high quality CdSe quantum dots in supercritical fluids. Journal of Materials Chemistry C, 2015, 3, 7561-7566.	5.5	30
21	Solvatochromic probes for detecting hydrogen-bond-donating solvents. Chemical Communications, 2014, 50, 4579.	4.1	29
22	Nanocapsule-mediated cytosolic siRNA delivery for anti-inflammatory treatment. Journal of Controlled Release, 2018, 283, 235-240.	9.9	28
23	Nanotherapeutics using all-natural materials. Effective treatment of wound biofilm infections using crosslinked nanoemulsions. Materials Horizons, 2021, 8, 1776-1782.	12.2	27
24	Intracellular Activation of Anticancer Therapeutics Using Polymeric Bioorthogonal Nanocatalysts. Advanced Healthcare Materials, 2021, 10, e2001627.	7.6	26
25	High-content and high-throughput identification of macrophage polarization phenotypes. Chemical Science, 2020, 11, 8231-8239.	7.4	23
26	Dynamically crosslinked polymer nanocomposites to treat multidrug-resistant bacterial biofilms. Nanoscale, 2018, 10, 18651-18656.	5.6	20
27	Functionalized Polymers Enhance Permeability of Antibiotics in Gramâ€Negative MDR Bacteria and Biofilms for Synergistic Antimicrobial Therapy. Advanced Therapeutics, 2020, 3, 2000005.	3.2	20
28	Hybrid Organicâ€“Inorganic Colloidal Composite â€˜Spongesâ€™ via Internal Crosslinking. Small, 2015, 11, 1302-1309.	10.0	17
29	Enhanced Laser Desorption/Ionization Mass Spectrometric Detection of Gold Nanoparticles in Biological Samples Using the Synergy between Added Matrix and the Gold Core. Analytical Chemistry, 2015, 87, 12145-12150.	6.5	14
30	Stable and oxidant responsive zwitterionic nanoclusters. Nanoscale, 2018, 10, 7382-7386.	5.6	10
31	Polymeric Nanoparticles Active against Dual-Species Bacterial Biofilms. Molecules, 2021, 26, 4958.	3.8	9
32	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
33	High affinity protein surface binding through co-engineering of nanoparticles and proteins. Nanoscale, 2022, 14, 2411-2418.	5.6	7
34	Facile synthesis of cationic gold nanoparticles with controlled size and surface plasmon resonance. RSC Advances, 2016, 6, 92007-92010.	3.6	5
35	Nanocomposites: Hybrid Organic-Inorganic Colloidal Composite â€˜Spongesâ€™ via Internal Crosslinking (Small 11/2015). Small, 2015, 11, 1301-1301.	10.0	0