

# Erik C Dreaden

## List of Publications by Year in descending order

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Version: 2024-02-01

42  
papers

10,085  
citations

201674

27  
h-index

302126

39  
g-index

42  
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42  
docs citations

42  
times ranked

17992  
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineered Cytokines for Cancer and Autoimmune Disease Immunotherapy. <i>Advanced Healthcare Materials</i> , 2021, 10, e2002214.	7.6	19
2	Rapid Assembly and Screening of Multivalent Immune Cell-Redirecting Therapies for Leukemia. <i>ACS Combinatorial Science</i> , 2020, 22, 533-541.	3.8	9
3	Rational design of multistage drug delivery vehicles for pulmonary RNA interference therapy. <i>International Journal of Pharmaceutics</i> , 2020, 591, 119989.	5.2	9
4	Optical Control of Cytokine Signaling via Bioinspired, Polymer-Induced Latency. <i>Biomacromolecules</i> , 2020, 21, 2635-2644.	5.4	6
5	Tuning Nanoparticle Interactions with Ovarian Cancer through Layer-by-Layer Modification of Surface Chemistry. <i>ACS Nano</i> , 2020, 14, 2224-2237.	14.6	64
6	Binary Targeting of siRNA to Hematologic Cancer Cells In Vivo Using Layer-by-Layer Nanoparticles. <i>Advanced Functional Materials</i> , 2019, 29, 1900018.	14.9	86
7	RNA-Peptide nanoplexes drug DNA damage pathways in high-grade serous ovarian tumors. <i>Bioengineering and Translational Medicine</i> , 2018, 3, 26-36.	7.1	12
8	Nanoparticle Surface Functionality Dictates Cellular and Systemic Toxicity. <i>Chemistry of Materials</i> , 2017, 29, 6578-6595.	6.7	99
9	Cellular uptake of nanoparticles: journey inside the cell. <i>Chemical Society Reviews</i> , 2017, 46, 4218-4244.	38.1	1,709
10	A Multi-RNAi Microsponge Platform for Simultaneous Controlled Delivery of Multiple Small Interfering RNAs. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3347-3351.	13.8	86
11	Exploiting Nanocarriers for Combination Cancer Therapy. <i>Fundamental Biomedical Technologies</i> , 2016, , 375-402.	0.2	1
12	Highly Scalable, Closed-Loop Synthesis of Drug-Loaded, Layer-by-Layer Nanoparticles. <i>Advanced Functional Materials</i> , 2016, 26, 991-1003.	14.9	67
13	Engineering nanolayered particles for modular drug delivery. <i>Journal of Controlled Release</i> , 2016, 240, 364-386.	9.9	112
14	Designer Dual Therapy Nanolayered Implant Coatings Eradicate Biofilms and Accelerate Bone Tissue Repair. <i>ACS Nano</i> , 2016, 10, 4441-4450.	14.6	193
15	Periodic-shRNA molecules are capable of gene silencing, cytotoxicity and innate immune activation in cancer cells. <i>Nucleic Acids Research</i> , 2016, 44, 545-557.	14.5	10
16	Tumor-Targeted Synergistic Blockade of MAPK and PI3K from a Layer-by-Layer Nanoparticle. <i>Clinical Cancer Research</i> , 2015, 21, 4410-4419.	7.0	55
17	Influence of pH and Surface Chemistry on Poly(L-lysine) Adsorption onto Solid Supports Investigated by Quartz Crystal Microbalance with Dissipation Monitoring. <i>Journal of Physical Chemistry B</i> , 2015, 119, 10554-10565.	2.6	43
18	Adsorption of hyaluronic acid on solid supports: Role of pH and surface chemistry in thin film self-assembly. <i>Journal of Colloid and Interface Science</i> , 2015, 448, 197-207.	9.4	25

#	ARTICLE	IF	CITATIONS
19	Abstract SY19-01: Therapeutic network re-wiring of the DNA damage response can be used to enhance tumor killing by cytotoxic chemotherapy. , 2015, , .		0
20	A Nanoparticle-Based Combination Chemotherapy Delivery System for Enhanced Tumor Killing by Dynamic Rewiring of Signaling Pathways. <i>Science Signaling</i> , 2014, 7, ra44.	3.6	172
21	Redox-responsive branched-bottlebrush polymers for in vivo MRI and fluorescence imaging. <i>Nature Communications</i> , 2014, 5, 5460.	12.8	231
22	Bimodal Tumor-Targeting from Microenvironment Responsive Hyaluronan Layer-by-Layer (LbL) Nanoparticles. <i>ACS Nano</i> , 2014, 8, 8374-8382.	14.6	161
23	Layer-by-Layer Assembled Antisense DNA Microsponge Particles for Efficient Delivery of Cancer Therapeutics. <i>ACS Nano</i> , 2014, 8, 9767-9780.	14.6	107
24	A Convergent Synthetic Platform for Single-Nanoparticle Combination Cancer Therapy: Ratiometric Loading and Controlled Release of Cisplatin, Doxorubicin, and Camptothecin. <i>Journal of the American Chemical Society</i> , 2014, 136, 5896-5899.	13.7	338
25	Pâ€Glycoproteinâ€Dependent Trafficking of Nanoparticleâ€Drug Conjugates. <i>Small</i> , 2014, 10, 1719-1723.	10.0	15
26	The optical, photothermal, and facile surface chemical properties of gold and silver nanoparticles in biodiagnostics, therapy, and drug delivery. <i>Archives of Toxicology</i> , 2014, 88, 1391-1417.	4.2	347
27	Layer-by-Layer Nanoparticles for Systemic Codelivery of an Anticancer Drug and siRNA for Potential Triple-Negative Breast Cancer Treatment. <i>ACS Nano</i> , 2013, 7, 9571-9584.	14.6	448
28	Size matters: gold nanoparticles in targeted cancer drug delivery. <i>Therapeutic Delivery</i> , 2012, 3, 457-478.	2.2	502
29	Antiandrogen Gold Nanoparticles Dual-Target and Overcome Treatment Resistance in Hormone-Insensitive Prostate Cancer Cells. <i>Bioconjugate Chemistry</i> , 2012, 23, 1507-1512.	3.6	68
30	Small Moleculeâ€“Gold Nanorod Conjugates Selectively Target and Induce Macrophage Cytotoxicity towards Breast Cancer Cells. <i>Small</i> , 2012, 8, 2819-2822.	10.0	74
31	The golden age: gold nanoparticles for biomedicine. <i>Chemical Society Reviews</i> , 2012, 41, 2740-2779.	38.1	2,900
32	Detecting and Destroying Cancer Cells in More than One Way with Noble Metals and Different Confinement Properties on the Nanoscale. <i>Accounts of Chemical Research</i> , 2012, 45, 1854-1865.	15.6	114
33	Plasmonic Enhancement of Nonradiative Charge Carrier Relaxation and Proposed Effects from Enhanced Radiative Electronic Processes in Semiconductorâ€“Gold Coreâ€“Shell Nanorod Arrays. <i>Journal of Physical Chemistry C</i> , 2011, 115, 5578-5583.	3.1	14
34	Tailoring Plasmonic and Electrostatic Field Effects To Maximize Solar Energy Conversion by Bacteriorhodopsin, the Other Natural Photosynthetic System. <i>Nano Letters</i> , 2011, 11, 3821-3826.	9.1	45
35	Beating cancer in multiple ways using nanogold. <i>Chemical Society Reviews</i> , 2011, 40, 3391.	38.1	552
36	Multimodal plasmon coupling in low symmetry gold nanoparticle pairs detected in surface-enhanced Raman scattering. <i>Applied Physics Letters</i> , 2011, 98, .	3.3	25

#	ARTICLE	IF	CITATIONS
37	Nanotechnology and Nanostructures Applied to Head and Neck Cancer. , 2011, , 381-404.		2
38	The Dependence of the Plasmon Field Induced Nonradiative Electronic Relaxation Mechanisms on the Gold Shell Thickness in Vertically Aligned CdTe@Au Core@Shell Nanorods. Nano Letters, 2009, 9, 3772-3779.	9.1	17
39	Exciton Lifetime Tuning by Changing the Plasmon Field Orientation with Respect to the Exciton Transition Moment Direction: CdTe-Au Core@Shell Nanorods. Nano Letters, 2009, 9, 1242-1248.	9.1	15
40	Tamoxifen@Poly(ethylene glycol)@Thiol Gold Nanoparticle Conjugates: Enhanced Potency and Selective Delivery for Breast Cancer Treatment. Bioconjugate Chemistry, 2009, 20, 2247-2253.	3.6	239
41	Gold nanorod assisted near-infrared plasmonic photothermal therapy (PPTT) of squamous cell carcinoma in mice. Cancer Letters, 2008, 269, 57-66.	7.2	1,044
42	Plasmon Field Effects on the Nonradiative Relaxation of Hot Electrons in an Electronically Quantized System: CdTe@Au Core@Shell Nanowires. Nano Letters, 2008, 8, 2410-2418.	9.1	50