Erik C Dreaden

List of Publications by Year in Descending Order

41 papers	8,063 citations	26 h-index	42 g-index
42 ext. papers	9,113 ext. citations	14.8 avg, IF	6.02 L-index

#	Paper	IF	Citations
41	Engineered Cytokines for Cancer and Autoimmune Disease Immunotherapy. *Advanced Healthcare Materials*, **2021**, 10, e2002214	10.1	5
40	Optical Control of Cytokine Signaling via Bioinspired, Polymer-Induced Latency. *Biomacromolecules*, **2020**, 21, 2635-2644	6.9	3
39	Tuning Nanoparticle Interactions with Ovarian Cancer through Layer-by-Layer Modification of Surface Chemistry. *ACS Nano*, **2020**, 14, 2224-2237	16.7	26
38	Rapid Assembly and Screening of Multivalent Immune Cell-Redirecting Therapies for Leukemia. *ACS Combinatorial Science*, **2020**, 22, 533-541	3.9	3
37	Rational design of multistage drug delivery vehicles for pulmonary RNA interference therapy. *International Journal of Pharmaceutics*, **2020**, 591, 119989	6.5	3
36	Binary Targeting of siRNA to Hematologic Cancer Cells using Layer-by-Layer Nanoparticles. *Advanced Functional Materials*, **2019**, 29, 1900018	15.6	48
35	RNA-Peptide nanoplexes drug DNA damage pathways in high-grade serous ovarian tumors. *Bioengineering and Translational Medicine*, **2018**, 3, 26-36	14.8	9
34	Nanoparticle Surface Functionality Dictates Cellular and Systemic Toxicity. *Chemistry of Materials*, **2017**, 29, 6578-6595	9.6	73
33	Cellular uptake of nanoparticles: journey inside the cell. *Chemical Society Reviews*, **2017**, 46, 4218-4244	58.5	1045
32	Exploiting Nanocarriers for Combination Cancer Therapy. *Fundamental Biomedical Technologies*, **2016**, 375-402		
31	Highly scalable, closed-loop synthesis of drug-loaded, layer-by-layer nanoparticles. *Advanced Functional Materials*, **2016**, 26, 991-1003	15.6	52
30	Engineering nanolayered particles for modular drug delivery. *Journal of Controlled Release*, **2016**, 240, 364-386	11.7	85
29	Designer Dual Therapy Nanolayered Implant Coatings Eradicate Biofilms and Accelerate Bone Tissue Repair. *ACS Nano*, **2016**, 10, 4441-50	16.7	152
28	Periodic-shRNA molecules are capable of gene silencing, cytotoxicity and innate immune activation in cancer cells. *Nucleic Acids Research*, **2016**, 44, 545-57	20.1	9
27	A Multi-RNAi Microsponge Platform for Simultaneous Controlled Delivery of Multiple Small Interfering RNAs. *Angewandte Chemie - International Edition*, **2016**, 55, 3347-51	16.4	68
26	Influence of pH and Surface Chemistry on Poly(L-lysine) Adsorption onto Solid Supports Investigated by Quartz Crystal Microbalance with Dissipation Monitoring. *Journal of Physical Chemistry B*, **2015**, 119, 10554-65	3.4	33
25	Adsorption of hyaluronic acid on solid supports: role of pH and surface chemistry in thin film self-assembly. *Journal of Colloid and Interface Science*, **2015**, 448, 197-207	9.3	21

24	Tumor-Targeted Synergistic Blockade of MAPK and PI3K from a Layer-by-Layer Nanoparticle. *Clinical Cancer Research*, **2015**, 21, 4410-9	12.9	40
23	Redox-responsive branched-bottlebrush polymers for in vivo MRI and fluorescence imaging. *Nature Communications*, **2014**, 5, 5460	17.4	191
22	Bimodal tumor-targeting from microenvironment responsive hyaluronan layer-by-layer (LbL) nanoparticles. *ACS Nano*, **2014**, 8, 8374-82	16.7	135
21	Layer-by-layer assembled antisense DNA microsponge particles for efficient delivery of cancer therapeutics. *ACS Nano*, **2014**, 8, 9767-80	16.7	95
20	A convergent synthetic platform for single-nanoparticle combination cancer therapy: ratiometric loading and controlled release of cisplatin, doxorubicin, and camptothecin. *Journal of the American Chemical Society*, **2014**, 136, 5896-9	16.4	286
19	P-glycoprotein-dependent trafficking of nanoparticle-drug conjugates. *Small*, **2014**, 10, 1719-23	11	13
18	The optical, photothermal, and facile surface chemical properties of gold and silver nanoparticles in biodiagnostics, therapy, and drug delivery. *Archives of Toxicology*, **2014**, 88, 1391-417	5.8	279
17	A nanoparticle-based combination chemotherapy delivery system for enhanced tumor killing by dynamic rewiring of signaling pathways. *Science Signaling*, **2014**, 7, ra44	8.8	138
16	Layer-by-layer nanoparticles for systemic codelivery of an anticancer drug and siRNA for potential triple-negative breast cancer treatment. *ACS Nano*, **2013**, 7, 9571-84	16.7	386
15	Size matters: gold nanoparticles in targeted cancer drug delivery. *Therapeutic Delivery*, **2012**, 3, 457-78	3.8	416
14	Antiandrogen gold nanoparticles dual-target and overcome treatment resistance in hormone-insensitive prostate cancer cells. *Bioconjugate Chemistry*, **2012**, 23, 1507-12	6.3	56
13	Small molecule-gold nanorod conjugates selectively target and induce macrophage cytotoxicity towards breast cancer cells. *Small*, **2012**, 8, 2819-22	11	67
12	The golden age: gold nanoparticles for biomedicine. *Chemical Society Reviews*, **2012**, 41, 2740-79	58.5	2437
11	Detecting and destroying cancer cells in more than one way with noble metals and different confinement properties on the nanoscale. *Accounts of Chemical Research*, **2012**, 45, 1854-65	24.3	104
10	Plasmonic Enhancement of Nonradiative Charge Carrier Relaxation and Proposed Effects from Enhanced Radiative Electronic Processes in Semiconductor□Gold Core□Shell Nanorod Arrays. *Journal of Physical Chemistry C*, **2011**, 115, 5578-5583	3.8	14
9	Tailoring plasmonic and electrostatic field effects to maximize solar energy conversion by bacteriorhodopsin, the other natural photosynthetic system. *Nano Letters*, **2011**, 11, 3821-6	11.5	40
8	Beating cancer in multiple ways using nanogold. *Chemical Society Reviews*, **2011**, 40, 3391-404	58.5	499
7	Multimodal plasmon coupling in low symmetry gold nanoparticle pairs detected in surface-enhanced Raman scattering. *Applied Physics Letters*, **2011**, 98, 183115	3.4	24

6	Nanotechnology and Nanostructures Applied to Head and Neck Cancer **2011**, 381-404		1
5	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, 3772-9	11.5	14
4	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, 1242-8	11.5	13
3	Tamoxifen-poly(ethylene glycol)-thiol gold nanoparticle conjugates: enhanced potency and selective delivery for breast cancer treatment. *Bioconjugate Chemistry*, **2009**, 20, 2247-53	6.3	208
2	Gold nanorod assisted near-infrared plasmonic photothermal therapy (PPTT) of squamous cell carcinoma in mice. *Cancer Letters*, **2008**, 269, 57-66	9.9	925
1	Plasmon field effects on the nonradiative relaxation of hot electrons in an electronically quantized system: CdTe-Au core-shell nanowires. *Nano Letters*, **2008**, 8, 2410-8	11.5	47