

Erik C Dreaden

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	The golden age: gold nanoparticles for biomedicine. <i>Chemical Society Reviews</i> , 2012 , 41, 2740-79	58.5	2437
40	Cellular uptake of nanoparticles: journey inside the cell. <i>Chemical Society Reviews</i> , 2017 , 46, 4218-4244	58.5	1045
39	Gold nanorod assisted near-infrared plasmonic photothermal therapy (PPTT) of squamous cell carcinoma in mice. <i>Cancer Letters</i> , 2008 , 269, 57-66	9.9	925
38	Beating cancer in multiple ways using nanogold. <i>Chemical Society Reviews</i> , 2011 , 40, 3391-404	58.5	499
37	Size matters: gold nanoparticles in targeted cancer drug delivery. <i>Therapeutic Delivery</i> , 2012 , 3, 457-78	3.8	416
36	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, 9571-84	16.7	386
35	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, 5896-9	16.4	286
34	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, 1391-417	5.8	279
33	Tamoxifen-poly(ethylene glycol)-thiol gold nanoparticle conjugates: enhanced potency and selective delivery for breast cancer treatment. <i>Bioconjugate Chemistry</i> , 2009 , 20, 2247-53	6.3	208
32	Redox-responsive branched-bottlebrush polymers for in vivo MRI and fluorescence imaging. <i>Nature Communications</i> , 2014 , 5, 5460	17.4	191
31	Designer Dual Therapy Nanolayered Implant Coatings Eradicate Biofilms and Accelerate Bone Tissue Repair. <i>ACS Nano</i> , 2016 , 10, 4441-50	16.7	152
30	A nanoparticle-based combination chemotherapy delivery system for enhanced tumor killing by dynamic rewiring of signaling pathways. <i>Science Signaling</i> , 2014 , 7, ra44	8.8	138
29	Bimodal tumor-targeting from microenvironment responsive hyaluronan layer-by-layer (LbL) nanoparticles. <i>ACS Nano</i> , 2014 , 8, 8374-82	16.7	135
28	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, 1854-65	24.3	104
27	Layer-by-layer assembled antisense DNA microsphere particles for efficient delivery of cancer therapeutics. <i>ACS Nano</i> , 2014 , 8, 9767-80	16.7	95
26	Engineering nanolayered particles for modular drug delivery. <i>Journal of Controlled Release</i> , 2016 , 240, 364-386	11.7	85
25	Nanoparticle Surface Functionality Dictates Cellular and Systemic Toxicity. <i>Chemistry of Materials</i> , 2017 , 29, 6578-6595	9.6	73

24	A Multi-RNAi Microsponge Platform for Simultaneous Controlled Delivery of Multiple Small Interfering RNAs. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 3347-51	16.4	68
23	Small molecule-gold nanorod conjugates selectively target and induce macrophage cytotoxicity towards breast cancer cells. <i>Small</i> , 2012 , 8, 2819-22	11	67
22	Antiandrogen gold nanoparticles dual-target and overcome treatment resistance in hormone-insensitive prostate cancer cells. <i>Bioconjugate Chemistry</i> , 2012 , 23, 1507-12	6.3	56
21	Highly scalable, closed-loop synthesis of drug-loaded, layer-by-layer nanoparticles. <i>Advanced Functional Materials</i> , 2016 , 26, 991-1003	15.6	52
20	Binary Targeting of siRNA to Hematologic Cancer Cells using Layer-by-Layer Nanoparticles. <i>Advanced Functional Materials</i> , 2019 , 29, 1900018	15.6	48
19	Plasmon field effects on the nonradiative relaxation of hot electrons in an electronically quantized system: CdTe-Au core-shell nanowires. <i>Nano Letters</i> , 2008 , 8, 2410-8	11.5	47
18	Tumor-Targeted Synergistic Blockade of MAPK and PI3K from a Layer-by-Layer Nanoparticle. <i>Clinical Cancer Research</i> , 2015 , 21, 4410-9	12.9	40
17	Tailoring plasmonic and electrostatic field effects to maximize solar energy conversion by bacteriorhodopsin, the other natural photosynthetic system. <i>Nano Letters</i> , 2011 , 11, 3821-6	11.5	40
16	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, 10554-65	3.4	33
15	Tuning Nanoparticle Interactions with Ovarian Cancer through Layer-by-Layer Modification of Surface Chemistry. <i>ACS Nano</i> , 2020 , 14, 2224-2237	16.7	26
14	Multimodal plasmon coupling in low symmetry gold nanoparticle pairs detected in surface-enhanced Raman scattering. <i>Applied Physics Letters</i> , 2011 , 98, 183115	3.4	24
13	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	9.3	21
12	Plasmonic Enhancement of Nonradiative Charge Carrier Relaxation and Proposed Effects from Enhanced Radiative Electronic Processes in Semiconductor-Gold Core-Shell Nanorod Arrays. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 5578-5583	3.8	14
11	The dependence of the plasmon field induced nonradiative electronic relaxation mechanisms on the gold shell thickness in vertically aligned CdTe-Au core-shell nanorods. <i>Nano Letters</i> , 2009 , 9, 3772-9	11.5	14
10	P-glycoprotein-dependent trafficking of nanoparticle-drug conjugates. <i>Small</i> , 2014 , 10, 1719-23	11	13
9	Exciton lifetime tuning by changing the plasmon field orientation with respect to the exciton transition moment direction: CdTe-Au core-shell nanorods. <i>Nano Letters</i> , 2009 , 9, 1242-8	11.5	13
8	RNA-Peptide nanoplexes drug DNA damage pathways in high-grade serous ovarian tumors. <i>Bioengineering and Translational Medicine</i> , 2018 , 3, 26-36	14.8	9
7	Periodic-shRNA molecules are capable of gene silencing, cytotoxicity and innate immune activation in cancer cells. <i>Nucleic Acids Research</i> , 2016 , 44, 545-57	20.1	9

6	Engineered Cytokines for Cancer and Autoimmune Disease Immunotherapy. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2002214	10.1	5
5	Optical Control of Cytokine Signaling via Bioinspired, Polymer-Induced Latency. <i>Biomacromolecules</i> , 2020 , 21, 2635-2644	6.9	3
4	Rapid Assembly and Screening of Multivalent Immune Cell-Redirecting Therapies for Leukemia. <i>ACS Combinatorial Science</i> , 2020 , 22, 533-541	3.9	3
3	Rational design of multistage drug delivery vehicles for pulmonary RNA interference therapy. <i>International Journal of Pharmaceutics</i> , 2020 , 591, 119989	6.5	3
2	Nanotechnology and Nanostructures Applied to Head and Neck Cancer 2011 , 381-404		1
1	Exploiting Nanocarriers for Combination Cancer Therapy. <i>Fundamental Biomedical Technologies</i> , 2016 , 375-402		