

Alan C. Hunter

List of Publications by Year in descending order

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52
papers

7,059
citations

147801

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182427

51
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all docs

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docs citations

52
times ranked

9517
citing authors

#	ARTICLE	IF	CITATIONS
1	The Interplay Between Blood Proteins, Complement, and Macrophages on Nanomedicine Performance and Responses. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2019, 370, 581-592.	2.5	47
2	Smart polymers in drug delivery: a biological perspective. <i>Polymer Chemistry</i> , 2017, 8, 41-51.	3.9	55
3	Bypassing adverse injection reactions to nanoparticles through shape modification and attachment to erythrocytes. <i>Nature Nanotechnology</i> , 2017, 12, 589-594.	31.5	154
4	Quartz Crystal Microbalance Assay of Clinical Calcinosis Samples and Their Synthetic Models Differentiates the Efficacy of Chelation-Based Treatments. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 27544-27552.	8.0	5
5	AFM visualization of sub-50 nm polyplex disposition to the nuclear pore complex without compromising the integrity of the nuclear envelope. <i>Journal of Controlled Release</i> , 2016, 244, 24-29.	9.9	16
6	Platelet mimicry: The emperor's new clothes?. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016, 12, 245-248.	3.3	19
7	Complement monitoring of Pluronic 127 gel and micelles: Suppression of copolymer-mediated complement activation by elevated serum levels of HDL, LDL, and apolipoproteins AI and B-100. <i>Journal of Controlled Release</i> , 2013, 170, 167-174.	9.9	43
8	Surfactant-mediated complement activation in beagle dogs. <i>International Immunopharmacology</i> , 2013, 17, 33-34.	3.8	7
9	Single-Walled Carbon Nanotube Surface Control of Complement Recognition and Activation. <i>ACS Nano</i> , 2013, 7, 1108-1119.	14.6	110
10	Complement activation by PEG-functionalized multi-walled carbon nanotubes is independent of PEG molecular mass and surface density. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2013, 9, 469-473.	3.3	38
11	Particulate Systems for Targeting of Macrophages: Basic and Therapeutic Concepts. <i>Journal of Innate Immunity</i> , 2012, 4, 509-528.	3.8	66
12	Polyethylenimine-mediated impairment of mitochondrial membrane potential, respiration and membrane integrity: Implications for nucleic acid delivery and gene therapy. <i>Mitochondrion</i> , 2012, 12, 162-168.	3.4	46
13	Genomic perspectives in inter-individual adverse responses following nanomedicine administration: The way forward. <i>Advanced Drug Delivery Reviews</i> , 2012, 64, 1385-1393.	13.7	44
14	Polymeric particulate technologies for oral drug delivery and targeting: A pathophysiological perspective. <i>Maturitas</i> , 2012, 73, 5-18.	2.4	34
15	Factors Controlling Nanoparticle Pharmacokinetics: An Integrated Analysis and Perspective. <i>Annual Review of Pharmacology and Toxicology</i> , 2012, 52, 481-503.	9.4	477
16	Complement system and the brain: Selected pathologies and avenues toward engineering of neurological nanomedicines. <i>Journal of Controlled Release</i> , 2012, 161, 283-289.	9.9	24
17	Transformation of structurally diverse steroidal analogues by the fungus <i>Corynespora cassiicola</i> CBS 161.60 results in generation of 8 β -monohydroxylated metabolites with evidence in favour of 8 β -hydroxylation through inverted binding in the 9 α -hydroxylase. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2011, 1811, 1054-1061.	2.4	12
18	Material properties in complement activation. <i>Advanced Drug Delivery Reviews</i> , 2011, 63, 1000-1007.	13.7	230

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19	Complement activation cascade triggered by PEG-PL engineered nanomedicines and carbon nanotubes: The challenges ahead. <i>Journal of Controlled Release</i> , 2010, 146, 175-181.	9.9	157
20	Cationic carriers of genetic material and cell death: A mitochondrial tale. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 1203-1209.	1.0	117
21	Polycation cytotoxicity: a delicate matter for nucleic acid therapy-focus on polyethylenimine. <i>Soft Matter</i> , 2010, 6, 4001.	2.7	193
22	Distinct Polymer Architecture Mediates Switching of Complement Activation Pathways at the Nanosphere-Serum Interface: Implications for Stealth Nanoparticle Engineering. <i>ACS Nano</i> , 2010, 4, 6629-6638.	14.6	263
23	Transformation of some 3 β -substituted steroids by <i>Aspergillus tamarii</i> KITA reveals stereochemical restriction of steroid binding orientation in the minor hydroxylation pathway. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2010, 118, 171-176.	2.5	19
24	Transformation of a series of saturated isomeric steroidal diols by <i>Aspergillus tamarii</i> KITA reveals a precise stereochemical requirement for entrance into the lactonization pathway. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2010, 122, 352-358.	2.5	12
25	Application of the Quartz Crystal Microbalance to Nanomedicine. <i>Journal of Biomedical Nanotechnology</i> , 2009, 5, 669-675.	1.1	30
26	Transformation of 5-ene steroids by the fungus <i>Aspergillus tamarii</i> KITA: Mixed molecular fate in lactonization and hydroxylation pathways with identification of a putative 3 β -hydroxy-steroid dehydrogenase/ Δ^4 isomerase pathway. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2009, 1791, 110-117.	2.4	45
27	An unusual ring-A opening and other reactions in steroid transformation by the thermophilic fungus <i>Myceliophthora thermophila</i> . <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2009, 116, 171-177.	2.5	28
28	Complement: Alive and Kicking Nanomedicines. <i>Journal of Biomedical Nanotechnology</i> , 2009, 5, 364-372.	1.1	71
29	Novel quartz crystal microbalance based biosensor for detection of oral epithelial cell-microparticle interaction in real-time. <i>Biosensors and Bioelectronics</i> , 2008, 23, 1259-1265.	10.1	28
30	Predominant allylic hydroxylation at carbons 6 and 7 of 4 and 5-ene functionalized steroids by the thermophilic fungus <i>Rhizomucor tauricus</i> IMI23312. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2008, 108, 155-163.	2.5	26
31	Complement activation by PEGylated single-walled carbon nanotubes is independent of C1q and alternative pathway turnover. <i>Molecular Immunology</i> , 2008, 45, 3797-3803.	2.2	122
32	Poly(ethylene glycol)s generate complement activation products in human serum through increased alternative pathway turnover and a MASP-2-dependent process. <i>Molecular Immunology</i> , 2008, 46, 225-232.	2.2	231
33	Distinct metabolic handling of 3 β -hydroxy-17 α -oxa-D-homo-5 β -androstan-17-one by the filamentous fungus <i>Aspergillus tamarii</i> KITA: Evidence in support of steroid/hydroxylase binding hypothesis. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2007, 1771, 1254-1261.	2.4	17
34	Ordering of Binary Polymeric Nanoparticles on Hydrophobic Surfaces Assembled from Low Volume Fraction Dispersions. <i>Journal of the American Chemical Society</i> , 2007, 129, 13390-13391.	13.7	36
35	Modification of the Stewart biphasic colorimetric assay for stable and accurate quantitative determination of Pluronic and Tetronic block copolymers for application in biological systems. <i>Analytical Biochemistry</i> , 2007, 361, 287-293.	2.4	21
36	Ring-B functionalized androst-4-en-3-ones and ring-C substituted pregn-4-en-3-ones undergo differential transformation in <i>Aspergillus tamarii</i> KITA: Ring-A transformation with all C-6 substituted steroids and ring-D transformation with C-11 substituents. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2006, 1761, 360-366.	2.4	24

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37	An efficient one-pot synthesis generating 4-ene-3,6-dione functionalised steroids from steroidal 5-en-3 β -ols using a modified Jones oxidation methodology. <i>Steroids</i> , 2006, 71, 30-33.	1.8	25
38	Concentration Dependent Structural Ordering of Poloxamine 908 on Polystyrene Nanoparticles and Their Modulatory Role on Complement Consumption. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 3126-3133.	0.9	58
39	Activation of the Human Complement System by Cholesterol-Rich and PEGylated Liposomes—Modulation of Cholesterol-Rich Liposome-Mediated Complement Activation by Elevated Serum LDL and HDL Levels. <i>Journal of Liposome Research</i> , 2006, 16, 167-174.	3.3	61
40	Molecular hurdles in polyfectin design and mechanistic background to polycation induced cytotoxicity†. <i>Advanced Drug Delivery Reviews</i> , 2006, 58, 1523-1531.	13.7	424
41	A two-stage poly(ethylenimine)-mediated cytotoxicity: implications for gene transfer/therapy. <i>Molecular Therapy</i> , 2005, 11, 990-995.	8.2	967
42	Fate of novel Quasi reverse steroidal substrates by <i>Aspergillus tamarii</i> KITA: Bypass of lactonisation and an exclusive role for the minor hydroxylation pathway. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2005, 1734, 190-197.	2.4	14
43	Low and high molecular weight poly(L-lysine)/poly(L-lysine)–DNA complexes initiate mitochondrial–mediated apoptosis differently. <i>FEBS Letters</i> , 2005, 579, 6191-6198.	2.8	109
44	Nanomedicine: current status and future prospects. <i>FASEB Journal</i> , 2005, 19, 311-330.	0.5	1,732
45	Cellular Distribution of Nonionic Micelles. <i>Science</i> , 2004, 303, 626-628.	12.6	57
46	Synthetic polymers in 21st century therapeutics: the way forward –¾. <i>Drug Discovery Today</i> , 2003, 8, 154-156.	6.4	5
47	Real-time evidence of surface modification at polystyrene lattices by poloxamine 908 in the presence of serum: in vivo conversion of macrophage-prone nanoparticles to stealth entities by poloxamine 908. <i>FEBS Letters</i> , 2003, 547, 177-182.	2.8	33
48	PEGylation of microspheres generates a heterogeneous population of particles with differential surface characteristics and biological performance. <i>FEBS Letters</i> , 2002, 532, 338-344.	2.8	131
49	Therapeutic synthetic polymers: a game of Russian roulette?. <i>Drug Discovery Today</i> , 2002, 7, 998-1001.	6.4	80
50	Volume-Activated Chloride Currents in HeLa Cells are Blocked by Tamoxifen But Not by a Membrane Impermeant Quaternary Analogue. <i>Cellular Physiology and Biochemistry</i> , 2001, 11, 99-104.	1.6	12
51	Recognition by macrophages and liver cells of opsonized phospholipid vesicles and phospholipid headgroups. , 2001, 18, 1-8.		133
52	Poloxamers and poloxamines in nanoparticle engineering and experimental medicine. <i>Trends in Biotechnology</i> , 2000, 18, 412-420.	9.3	351