

Kenneth A Howard

List of Publications by Year in Descending Order

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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.

83
papers

5,041
citations

36
h-index

70
g-index

90
ext. papers

5,661
ext. citations

7.9
avg, IF

5.45
L-index

| # | Paper | IF | Citations |
|----|---|------|-----------|
| 83 | Targeting the IL-6-Yap-Snail signalling axis in synovial fibroblasts ameliorates inflammatory arthritis. <i>Annals of the Rheumatic Diseases</i> , 2021 , | 2.4 | 1 |
| 82 | Roadmap on nanomedicine. <i>Nanotechnology</i> , 2021 , 32, 012001 | 3.4 | 5 |
| 81 | Programmable half-life and anti-tumour effects of bispecific T-cell engager-albumin fusions with tuned FcRn affinity. <i>Communications Biology</i> , 2021 , 4, 310 | 6.7 | 8 |
| 80 | FcRn expression in cancer: Mechanistic basis and therapeutic opportunities. <i>Journal of Controlled Release</i> , 2021 , 337, 248-257 | 11.7 | 0 |
| 79 | FcRn overexpression in human cancer drives albumin recycling and cell growth; a mechanistic basis for exploitation in targeted albumin-drug designs. <i>Journal of Controlled Release</i> , 2020 , 322, 53-63 | 11.7 | 11 |
| 78 | Regulation of Gdf5 expression in joint remodelling, repair and osteoarthritis. <i>Scientific Reports</i> , 2020 , 10, 157 | 4.9 | 18 |
| 77 | Size-Selective Phagocytic Clearance of Fibrillar β Synuclein through Conformational Activation of Complement Receptor 4. <i>Journal of Immunology</i> , 2020 , 204, 1345-1361 | 5.3 | 13 |
| 76 | Albumin-based drug designs for pharmacokinetic modulation. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2020 , 16, 783-795 | 5.5 | 15 |
| 75 | Albumin-Binding Fatty Acid-Modified Gapmer Antisense Oligonucleotides for Modulation of Pharmacokinetics. <i>Methods in Molecular Biology</i> , 2020 , 2176, 163-174 | 1.4 | 1 |
| 74 | A new class of recombinant human albumin with multiple surface thiols exhibits stable conjugation and enhanced FcRn binding and blood circulation. <i>Journal of Biological Chemistry</i> , 2019 , 294, 3735-3743 | 5.4 | 9 |
| 73 | Independent Validation of a Diagnostic Noninvasive 3-MicroRNA Ratio Model () for Prostate Cancer in Cell-Free Urine. <i>Clinical Chemistry</i> , 2019 , 65, 540-548 | 5.5 | 14 |
| 72 | Intracellular bacteria engage a STING-TBK1-MVB12b pathway to enable paracrine cGAS-STING signalling. <i>Nature Microbiology</i> , 2019 , 4, 701-713 | 26.6 | 50 |
| 71 | Optimised approach to albumin-drug conjugates using monobromomaleimide-C-2 linkers. <i>Organic and Biomolecular Chemistry</i> , 2019 , 17, 7870-7873 | 3.9 | 9 |
| 70 | Fibrin-hyaluronic acid hydrogel-based delivery of antisense oligonucleotides for ADAMTS5 inhibition in co-delivered and resident joint cells in osteoarthritis. <i>Journal of Controlled Release</i> , 2019 , 294, 247-258 | 11.7 | 23 |
| 69 | Cellular recycling-driven in vivo half-life extension using recombinant albumin fusions tuned for neonatal Fc receptor (FcRn) engagement. <i>Journal of Controlled Release</i> , 2018 , 287, 132-141 | 11.7 | 17 |
| 68 | Palmitoylated phosphodiester gapmer designs with albumin binding capacity and maintained in vitro gene silencing activity. <i>Journal of Gene Medicine</i> , 2018 , 20, e3025 | 3.5 | 3 |
| 67 | The random co-polymer glatiramer acetate rapidly kills primary human leukocytes through sialic-acid-dependent cell membrane damage. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017 , 1859, 425-437 | 3.8 | 10 |

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| 66 | Hyaluronic Acid Molecular Weight-Dependent Modulation of Mucin Nanostructure for Potential Mucosal Therapeutic Applications. <i>Molecular Pharmaceutics</i> , 2017 , 14, 2359-2367 | 5.6 | 19 |
| 65 | Site-selective conjugation of an anticoagulant aptamer to recombinant albumins and maintenance of neonatal Fc receptor binding. <i>Nanotechnology</i> , 2017 , 28, 204004 | 3.4 | 14 |
| 64 | A hyaluronic acid-based hydrogel enabling CD44-mediated chondrocyte binding and gapmer oligonucleotide release for modulation of gene expression in osteoarthritis. <i>Journal of Controlled Release</i> , 2017 , 253, 153-159 | 11.7 | 35 |
| 63 | Pellet-free isolation of human and bovine milk extracellular vesicles by size-exclusion chromatography. <i>Journal of Extracellular Vesicles</i> , 2017 , 6, 1294340 | 16.4 | 71 |
| 62 | The Immunomodulatory Drug Glatiramer Acetate is Also an Effective Antimicrobial Agent that Kills Gram-negative Bacteria. <i>Scientific Reports</i> , 2017 , 7, 15653 | 4.9 | 15 |
| 61 | An Albumin-Oligonucleotide Assembly for Potential Combinatorial Drug Delivery and Half-Life Extension Applications. <i>Molecular Therapy - Nucleic Acids</i> , 2017 , 9, 284-293 | 10.7 | 15 |
| 60 | Fatty Acid-Modified Gapmer Antisense Oligonucleotide and Serum Albumin Constructs for Pharmacokinetic Modulation. <i>Molecular Therapy</i> , 2017 , 25, 1710-1717 | 11.7 | 26 |
| 59 | Direct demonstration of a neonatal Fc receptor (FcRn)-driven endosomal sorting pathway for cellular recycling of albumin. <i>Journal of Biological Chemistry</i> , 2017 , 292, 13312-13322 | 5.4 | 39 |
| 58 | Albumin-based drug delivery using cysteine 34 chemical conjugates - important considerations and requirements. <i>Therapeutic Delivery</i> , 2017 , 8, 511-519 | 3.8 | 15 |
| 57 | Highly porous PEGylated Bi2S3 nano-urchins as a versatile platform for in vivo triple-modal imaging, photothermal therapy and drug delivery. <i>Nanoscale</i> , 2016 , 8, 16005-16 | 7.7 | 76 |
| 56 | Albumin-based drug delivery: harnessing nature to cure disease. <i>Molecular and Cellular Therapies</i> , 2016 , 4, 3 | | 343 |
| 55 | Chip-Free Microscale-Incubator-Based Synthesis of Chitosan-Based Gene Silencing Nanoparticles. <i>Particle and Particle Systems Characterization</i> , 2016 , 33, 279-285 | 3.1 | 1 |
| 54 | Nanomedicine: Working Towards Defining the Field. <i>Advances in Delivery Science and Technology</i> , 2016 , 1-12 | | 3 |
| 53 | Neonatal Fc Receptor Binding Tolerance toward the Covalent Conjugation of Payloads to Cysteine 34 of Human Albumin Variants. <i>Molecular Pharmaceutics</i> , 2016 , 13, 677-82 | 5.6 | 16 |
| 52 | Multifunctional Bismuth Selenide Nanocomposites for Antitumor Thermo-Chemotherapy and Imaging. <i>ACS Nano</i> , 2016 , 10, 984-97 | 16.7 | 199 |
| 51 | Generation of a double transgenic humanized neonatal Fc receptor (FcRn)/albumin mouse to study the pharmacokinetics of albumin-linked drugs. <i>Journal of Controlled Release</i> , 2016 , 223, 22-30 | 11.7 | 28 |
| 50 | Mucin-mediated nanocarrier disassembly for triggered uptake of oligonucleotides as a delivery strategy for the potential treatment of mucosal tumours. <i>Nanoscale</i> , 2016 , 8, 12599-607 | 7.7 | 9 |
| 49 | An albumin-mediated cholesterol design-based strategy for tuning siRNA pharmacokinetics and gene silencing. <i>Journal of Controlled Release</i> , 2016 , 232, 143-51 | 11.7 | 25 |

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| 48 | Multimodal Imaging-Guided Antitumor Photothermal Therapy and Drug Delivery Using Bismuth Selenide Spherical Sponge. <i>ACS Nano</i> , 2016 , 10, 9646-9658 | 16.7 | 157 |
| 47 | Human-Serum-Albumin-Coated Prussian Blue Nanoparticles as pH-/Thermotriggered Drug-Delivery Vehicles for Cancer Thermochemotherapy. <i>Particle and Particle Systems Characterization</i> , 2016 , 33, 53-62 ^{3,1} | | 36 |
| 46 | Tumour exosomes display differential mechanical and complement activation properties dependent on malignant state: implications in endothelial leakiness. <i>Journal of Extracellular Vesicles</i> , 2015 , 4, 29685 | 16.4 | 69 |
| 45 | Tunable CD44-specific cellular retargeting with hyaluronic acid nanoshells. <i>Pharmaceutical Research</i> , 2015 , 32, 1462-74 | 4.5 | 18 |
| 44 | RNA interference-based therapeutics and diagnostics. <i>Drug Delivery and Translational Research</i> , 2014 , 4, 1-2 | 6.2 | 2 |
| 43 | Cell type and transfection reagent-dependent effects on viability, cell content, cell cycle and inflammation of RNAi in human primary mesenchymal cells. <i>European Journal of Pharmaceutical Sciences</i> , 2014 , 53, 35-44 | 5.1 | 18 |
| 42 | Quantitative proteomics of fractionated membrane and lumen exosome proteins from isogenic metastatic and nonmetastatic bladder cancer cells reveal differential expression of EMT factors. <i>Proteomics</i> , 2014 , 14, 699-712 | 4.8 | 123 |
| 41 | Polycation-based nanoparticles for RNAi-mediated cancer treatment. <i>Cancer Letters</i> , 2014 , 352, 66-80 | 9.9 | 20 |
| 40 | Ultraporous interweaving electrospun microfibers from PCL-PEO binary blends and their inflammatory responses. <i>Nanoscale</i> , 2014 , 6, 3392-402 | 7.7 | 39 |
| 39 | Mucus barrier-triggered disassembly of siRNA nanocarriers. <i>Nanoscale</i> , 2014 , 6, 12547-54 | 7.7 | 8 |
| 38 | Cellular disposal of miR23b by RAB27-dependent exosome release is linked to acquisition of metastatic properties. <i>Cancer Research</i> , 2014 , 74, 5758-71 | 10.1 | 195 |
| 37 | Spatial mapping and quantification of soft and hard protein coronas at silver nanocubes. <i>Nano Letters</i> , 2014 , 14, 2086-93 | 11.5 | 65 |
| 36 | Comparative analysis of discrete exosome fractions obtained by differential centrifugation. <i>Journal of Extracellular Vesicles</i> , 2014 , 3, 25011 | 16.4 | 187 |
| 35 | Chitosan-based nanoparticles for mucosal delivery of RNAi therapeutics. <i>Advances in Genetics</i> , 2014 , 88, 325-52 | 3.3 | 19 |
| 34 | Extended blood circulation and joint accumulation of a p(HPMA-co-AzMA)-based nanoconjugate in a murine model of rheumatoid arthritis. <i>Molecular and Cellular Therapies</i> , 2014 , 2, 29 | | 2 |
| 33 | The application of RNAi-based treatments for inflammatory bowel disease. <i>Drug Delivery and Translational Research</i> , 2014 , 4, 4-18 | 6.2 | 9 |
| 32 | Surface analysis of PEGylated nano-shields on nanoparticles installed by hydrophobic anchors. <i>Pharmaceutical Research</i> , 2013 , 30, 1758-67 | 4.5 | 9 |
| 31 | Mucosal Delivery of RNAi Therapeutics. <i>Advances in Delivery Science and Technology</i> , 2013 , 97-125 | | 0 |

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| 30 | Clinical translation of RNAi-based treatments for respiratory diseases. <i>Drug Delivery and Translational Research</i> , 2013 , 3, 84-99 | 6.2 | 5 |
| 29 | Protection and Systemic Translocation of siRNA Following Oral Administration of Chitosan/siRNA Nanoparticles. <i>Molecular Therapy - Nucleic Acids</i> , 2013 , 2, e76 | 10.7 | 52 |
| 28 | Synthesis of click-reactive HPMA copolymers using RAFT polymerization for drug delivery applications. <i>Journal of Polymer Science Part A</i> , 2013 , 51, 5091-5099 | 2.5 | 25 |
| 27 | Peritoneal macrophages mediated delivery of chitosan/siRNA nanoparticle to the lesion site in a murine radiation-induced fibrosis model. <i>Acta Oncologica</i> , 2013 , 52, 1730-8 | 3.2 | 17 |
| 26 | Polycation-based nanoparticle delivery of RNAi therapeutics: adverse effects and solutions. <i>Advanced Drug Delivery Reviews</i> , 2012 , 64, 1717-29 | 18.5 | 120 |
| 25 | Accumulation of magnetic iron oxide nanoparticles coated with variably sized polyethylene glycol in murine tumors. <i>Nanoscale</i> , 2012 , 4, 2352-61 | 7.7 | 54 |
| 24 | Oligonucleotide delivery to the lung: waiting to inhale. <i>Molecular Therapy - Nucleic Acids</i> , 2012 , 1, e1 | 10.7 | 7 |
| 23 | Antimicrobial effect of chitosan nanoparticles on streptococcus mutans biofilms. <i>Applied and Environmental Microbiology</i> , 2011 , 77, 3892-5 | 4.8 | 162 |
| 22 | Chitosan/siRNA nanoparticles biofunctionalize nerve implants and enable neurite outgrowth. <i>Nano Letters</i> , 2010 , 10, 3933-9 | 11.5 | 76 |
| 21 | siRNA nanoparticle functionalization of nanostructured scaffolds enables controlled multilineage differentiation of stem cells. <i>Molecular Therapy</i> , 2010 , 18, 2018-27 | 11.7 | 76 |
| 20 | Bioresponsive hyperbranched polymers for siRNA and miRNA delivery. <i>Journal of Drug Targeting</i> , 2010 , 18, 812-20 | 5.4 | 41 |
| 19 | Intraperitoneal administration of chitosan/DsiRNA nanoparticles targeting TNF α prevents radiation-induced fibrosis. <i>Radiotherapy and Oncology</i> , 2010 , 97, 143-8 | 5.3 | 48 |
| 18 | Surface functionalisation of PLGA nanoparticles for gene silencing. <i>Biomaterials</i> , 2010 , 31, 5671-7 | 15.6 | 48 |
| 17 | Pulmonary gene silencing in transgenic EGFP mice using aerosolised chitosan/siRNA nanoparticles. <i>Pharmaceutical Research</i> , 2010 , 27, 2520-7 | 4.5 | 72 |
| 16 | Size-Dependent Accumulation of PEGylated Silane-Coated Magnetic Iron Oxide Nanoparticles in Murine Tumors. <i>ACS Nano</i> , 2009 , 3, 1947-51 | 16.7 | 221 |
| 15 | Chitosan/siRNA nanoparticle-mediated TNF-alpha knockdown in peritoneal macrophages for anti-inflammatory treatment in a murine arthritis model. <i>Molecular Therapy</i> , 2009 , 17, 162-8 | 11.7 | 232 |
| 14 | Intracellular siRNA and precursor miRNA trafficking using bioresponsive copolypeptides. <i>Journal of Gene Medicine</i> , 2008 , 10, 81-93 | 3.5 | 41 |
| 13 | Delivery of siRNA from lyophilized polymeric surfaces. <i>Biomaterials</i> , 2008 , 29, 506-12 | 15.6 | 91 |

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| 12 | The influence of polymeric properties on chitosan/siRNA nanoparticle formulation and gene silencing. <i>Biomaterials</i> , 2007 , 28, 1280-8 | 15.6 | 339 |
| 11 | Nanocarrier stimuli-activated gene delivery. <i>Small</i> , 2007 , 3, 54-7 | 11 | 47 |
| 10 | Visualization of thermally activated nanocarriers using in situ atomic force microscopy. <i>Nanotechnology</i> , 2007 , 18, 185501 | 3.4 | 3 |
| 9 | Direct force measurements between siRNA and chitosan molecules using force spectroscopy. <i>Biophysical Journal</i> , 2007 , 93, 952-9 | 2.9 | 41 |
| 8 | Polycation-based nanoparticle delivery for improved RNA interference therapeutics. <i>Expert Opinion on Biological Therapy</i> , 2007 , 7, 1811-22 | 5.4 | 39 |
| 7 | RNA interference in vitro and in vivo using a novel chitosan/siRNA nanoparticle system. <i>Molecular Therapy</i> , 2006 , 14, 476-84 | 11.7 | 486 |
| 6 | Protection against bubonic and pneumonic plague with a single dose microencapsulated sub-unit vaccine. <i>Vaccine</i> , 2006 , 24, 4433-9 | 4.1 | 28 |
| 5 | Formulation of a microparticle carrier for oral polyplex-based DNA vaccines. <i>Journal of Financial Economics</i> , 2004 , 1674, 149-57 | 6.6 | 12 |
| 4 | Importance of lateral and steric stabilization of polyelectrolyte gene delivery vectors for extended systemic circulation. <i>Molecular Therapy</i> , 2002 , 5, 463-72 | 11.7 | 249 |
| 3 | Physicochemical and biological characterisation of an antisense oligonucleotide targeted against the bcl-2 mRNA complexed with cationic-hydrophilic copolymers. <i>European Journal of Pharmaceutical Sciences</i> , 2000 , 10, 169-77 | 5.1 | 24 |
| 2 | Decreased binding to proteins and cells of polymeric gene delivery vectors surface modified with a multivalent hydrophilic polymer and retargeting through attachment of transferrin. <i>Journal of Biological Chemistry</i> , 2000 , 275, 3793-802 | 5.4 | 129 |
| 1 | Steric stabilization of poly-L-Lysine/DNA complexes by the covalent attachment of semitelechelic poly[N-(2-hydroxypropyl)methacrylamide]. <i>Bioconjugate Chemistry</i> , 2000 , 11, 492-501 | 6.3 | 98 |