Forrest M Kievit

List of Publications by Year
in descending order

66 papers	6,359 citations	87723 38 h-index	114278 63 g-index
66 all docs	66 docs citations	66 times ranked	9757 citing authors

#	Article	IF	Citations
1	Theranostic Copolymers Neutralize Reactive Oxygen Species and Lipid Peroxidation Products for the Combined Treatment of Traumatic Brain Injury. Biomacromolecules, 2022, 23, 1703-1712.	2.6	5
2	Triggering receptor expressed on myeloid cells-1 (TREM-1) inhibition in atherosclerosis. , 2022, 238, 108182.		7
3	Iron oxide nanoparticle-mediated radiation delivery for glioblastoma treatment. Materials Today, 2022, 56, 66-78.	8.3	9
4	siRNA Nanoparticle Suppresses Drugâ€Resistant Gene and Prolongs Survival in an Orthotopic Glioblastoma Xenograft Mouse Model. Advanced Functional Materials, 2021, 31, 2007166.	7.8	16
5	Design and Evaluation of an In Vitro Mild Traumatic Brain Injury Modeling System Using 3D Printed Mini Impact Device on the 3D Cultured Human iPSC Derived Neural Progenitor Cells. Advanced Healthcare Materials, 2021, 10, e2100180.	3.9	13
6	Antioxidant thioether core-crosslinked nanoparticles prevent the bilateral spread of secondary injury to protect spatial learning and memory in a controlled cortical impact mouse model of traumatic brain injury. Biomaterials, 2021, 272, 120766.	5.7	25
7	Claudin-1-Targeted Nanoparticles for Delivery to Aging-Induced Alterations in the Bloodâ€“Brain Barrier. ACS Nano, 2021, 15, 18520-18531.	7.3	13
8	Smooth muscle cells affect differential nanoparticle accumulation in disturbed blood flow-induced murine atherosclerosis. PLoS ONE, 2021, 16, e0260606.	1.1	4
9	The Nanotheranostic Researcherâ€™s Guide for Use of Animal Models of Traumatic Brain Injury. Journal of Nanotheranostics, 2021, 2, 224-268.	1.7	5
10	Active targeting and transport. , 2020, , 19-36.		10
11	Ultrasmall Mixed Euâ€“Gd Oxide Nanoparticles for Multimodal Fluorescence and Magnetic Resonance Imaging of Passive Accumulation and Retention in TBI. ACS Omega, 2020, 5, 16220-16227.	1.6	17
12	Evaluating differential nanoparticle accumulation and retention kinetics in a mouse model of traumatic brain injury via Ktrans mapping with MRI. Scientific Reports, 2019, 9, 16099.	1.6	21
13	A Role for Nanoparticles in Treating Traumatic Brain Injury. Pharmaceutics, 2019, 11, 473.	2.0	27
14	Time-Resolved MRI Assessment of Convection-Enhanced Delivery by Targeted and Nontargeted Nanoparticles in a Human Glioblastoma Mouse Model. Cancer Research, 2019, 79, 4776-4786.	0.4	28
15	Nanoparticle-mediated knockdown of DNA repair sensitizes cells to radiotherapy and extends survival in a genetic mouse model of glioblastoma. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 2131-2139.	1.7	37
16	Nanoparticle Biokinetics in Mice and Nonhuman Primates. ACS Nano, 2017, 11, 9514-9524.	7.3	35
17	Core-Cross-Linked Nanoparticles Reduce Neuroinflammation and Improve Outcome in a Mouse Model of Traumatic Brain Injury. ACS Nano, 2017, 11, 8600-8611.	7.3	91
18	Theranostic Oxygen Reactive Polymers for Treatment of Traumatic Brain Injury. Advanced Functional Materials, 2016, 26, 4124-4133.	7.8	38

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19	3D porous chitosanâ€“alginate scaffolds promote proliferation and enrichment of cancer stem-like cells. Journal of Materials Chemistry B, 2016, 4, 6326-6334.	2.9	63
20	Nanoparticles for cancer gene therapy: Recent advances, challenges, and strategies. Pharmacological Research, 2016, 114, 56-66.	3.1	110
21	Culture on 3D Chitosanâ€Hyaluronic Acid Scaffolds Enhances Stem Cell Marker Expression and Drug Resistance in Human Glioblastoma Cancer Stem Cells. Advanced Healthcare Materials, 2016, 5, 3173-3181.	3.9	60
22	Iron-Oxide-Based Nanovector for Tumor Targeted siRNA Delivery in an Orthotopic Hepatocellular Carcinoma Xenograft Mouse Model. Small, 2016, 12, 477-487.	5.2	58
23	Modeling the tumor microenvironment using chitosan-alginate scaffolds to control the stem-like state of glioblastoma cells. Biomaterials Science, 2016, 4, 610-613.	2.6	28
24	Nanoparticleâ€Mediated Target Delivery of TRAIL as Gene Therapy for Glioblastoma. Advanced Healthcare Materials, 2015, 4, 2719-2726.	3.9	69
25	Temozolomide Nanoparticles for Targeted Glioblastoma Therapy. ACS Applied Materials & Interfaces, 2015, 7, 6674-6682.	4.0	161
26	Bionanotechnology and the Future of Glioma. , 2015, 6, 45.		24
27	Nanoparticle mediated silencing of DNA repair sensitizes pediatric brain tumor cells to Î³â€irradiation. Molecular Oncology, 2015, 9, 1071-1080.	2.1	57
28	Anti-HER2/neu peptide-conjugated iron oxide nanoparticles for targeted delivery of paclitaxel to breast cancer cells. Nanoscale, 2015, 7, 18010-18014.	2.8	80
29	3D Porous Chitosanâ€“Alginate Scaffolds as an In Vitro Model for Evaluating Nanoparticle-Mediated Tumor Targeting and Gene Delivery to Prostate Cancer. Biomacromolecules, 2015, 16, 3362-3372.	2.6	62
30	Glypican-3â€“Targeting F(abâ€²)2 for ⁸⁹Zr PET of Hepatocellular Carcinoma. Journal of Nuclear Medicine, 2014, 55, 2032-2037.	2.8	53
31	Proliferation and enrichment of CD133+ glioblastoma cancer stem cells on 3D chitosan-alginate scaffolds. Biomaterials, 2014, 35, 9137-9143.	5.7	105
32	Redox-Responsive Magnetic Nanoparticle for Targeted Convection-Enhanced Delivery of O⁶-Benzylguanine to Brain Tumors. ACS Nano, 2014, 8, 10383-10395.	7.3	157
33	Chitosan-Based Thermoreversible Hydrogel as anin VitroTumor Microenvironment for Testing Breast Cancer Therapies. Molecular Pharmaceutics, 2014, 11, 2134-2142.	2.3	34
34	Thermoreversible Poly(ethylene glycol)-g-Chitosan Hydrogel as a Therapeutic T Lymphocyte Depot for Localized Glioblastoma Immunotherapy. Biomacromolecules, 2014, 15, 2656-2662.	2.6	106
35	Glypican-3â€“Targeted ⁸⁹Zr PET Imaging of Hepatocellular Carcinoma. Journal of Nuclear Medicine, 2014, 55, 799-804.	2.8	56
36	CCL21 and IFNγ Recruit and Activate Tumor Specific T cells in 3D Scaffold Model of Breast Cancer. Anti-Cancer Agents in Medicinal Chemistry, 2014, 14, 204-210.	0.9	26

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37	Three-Dimensional Scaffolds to Evaluate Tumor Associated Fibroblast-Mediated Suppression of Breast Tumor Specific T Cells. Biomacromolecules, 2013, 14, 1330-1337.	2.6	54
38	In Vivo Safety Evaluation of Polyarginine Coated Magnetic Nanovectors. Molecular Pharmaceutics, 2013, 10, 4099-4106.	2.3	15
39	Porous chitosan-hyaluronic acid scaffolds as a mimic of glioblastoma microenvironment ECM. Biomaterials, 2013, 34, 10143-10150.	5.7	182
40	Targeted Cell Uptake of a Noninternalizing Antibody Through Conjugation to Iron Oxide Nanoparticles in Primary Central Nervous System Lymphoma. World Neurosurgery, 2013, 80, 134-141.	0.7	25
41	Aligned Chitosanâ€Polycaprolactone Polyblend Nanofibers Promote the Migration of Glioblastoma Cells. Advanced Healthcare Materials, 2013, 2, 1651-1659.	3.9	60
42	Fabrication of magnetic nanoparticles with controllable drug loading and release through a simple assembly approach. Journal of Controlled Release, 2012, 162, 233-241.	4.8	83
43	Targeting of Primary Breast Cancers and Metastases in a Transgenic Mouse Model Using Rationally Designed Multifunctional SPIONs. ACS Nano, 2012, 6, 2591-2601.	7.3	167
44	Effect of cationic side-chains on intracellular delivery and cytotoxicity of pH sensitive polymerâ€“doxorubicin nanocarriers. Nanoscale, 2012, 4, 7012.	2.8	28
45	3D Porous Chitosanâ€“Alginate Scaffolds: A New Matrix for Studying Prostate Cancer Cellâ€–Lymphocyte Interactions In Vitro. Advanced Healthcare Materials, 2012, 1, 590-599.	3.9	76
46	Glypican-3 Targeting of Liver Cancer Cells Using Multifunctional Nanoparticles. Molecular Imaging, 2011, 10, 7290.2010.00048.	0.7	37
47	Doxorubicin loaded iron oxide nanoparticles overcome multidrug resistance in cancer in vitro. Journal of Controlled Release, 2011, 152, 76-83.	4.8	254
48	Electrospinning of chitosan derivative nanofibers with structural stability in an aqueous environment. Physical Chemistry Chemical Physics, 2011, 13, 9969.	1.3	38
49	Surface Engineering of Iron Oxide Nanoparticles for Targeted Cancer Therapy. Accounts of Chemical Research, 2011, 44, 853-862.	7.6	532
50	Cancer Cell Invasion: Treatment and Monitoring Opportunities in Nanomedicine. Advanced Drug Delivery Reviews, 2011, 63, 582-596.	6.6	118
51	Cell transcytosing poly-arginine coated magnetic nanovector for safe and effective siRNA delivery. Biomaterials, 2011, 32, 5717-5725.	5.7	85
52	Magnetite nanoparticles for medical MR imaging. Materials Today, 2011, 14, 330-338.	8.3	360
53	Cancer Nanotheranostics: Improving Imaging and Therapy by Targeted Delivery Across Biological Barriers. Advanced Materials, 2011, 23, H217-47.	11.1	432
54	Cancer Therapy: Cancer Nanotheranostics: Improving Imaging and Therapy by Targeted Delivery Across Biological Barriers (Adv. Mater. 36/2011). Advanced Materials, 2011, 23, H209-H209.	11.1	13

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55	Glypican-3 targeting of liver cancer cells using multifunctional nanoparticles. Molecular Imaging, 2011, 10, 69-77.	0.7	27
56	Chitosanâ€“alginate 3D scaffolds as a mimic of the glioma tumor microenvironment. Biomaterials, 2010, 31, 5903-5910.	5.7	183
57	Chlorotoxin bound magnetic nanovector tailored for cancer cell targeting, imaging, and siRNA delivery. Biomaterials, 2010, 31, 8032-8042.	5.7	175
58	Chitosan-Alginate Scaffold Culture System for Hepatocellular Carcinoma Increases Malignancy and Drug Resistance. Pharmaceutical Research, 2010, 27, 1939-1948.	1.7	86
59	pH-Sensitive siRNA Nanovector for Targeted Gene Silencing and Cytotoxic Effect in Cancer Cells. Molecular Pharmaceutics, 2010, 7, 1930-1939.	2.3	116
60	PEG-Mediated Synthesis of Highly Dispersive Multifunctional Superparamagnetic Nanoparticles: Their Physicochemical Properties and Function In Vivo. ACS Nano, 2010, 4, 2402-2410.	7.3	250
61	Chlorotoxin Labeled Magnetic Nanovectors for Targeted Gene Delivery to Glioma. ACS Nano, 2010, 4, 4587-4594.	7.3	203
62	Functionalization of iron oxide magnetic nanoparticles with targeting ligands: their physicochemical properties and in vivo behavior. Nanomedicine, 2010, 5, 1357-1369.	1.7	54
63	Inhibition of Tumorâ€Cell Invasion with Chlorotoxinâ€Bound Superparamagnetic Nanoparticles. Small, 2009, 5, 256-264.	5.2	174
64	PEIâ€“PEGâ€“Chitosanâ€Copolymerâ€Coated Iron Oxide Nanoparticles for Safe Gene Delivery: Synthesis, Complexation, and Transfection. Advanced Functional Materials, 2009, 19, 2244-2251.	7.8	359
65	A ligand-mediated nanovector for targeted gene delivery and transfection in cancer cells. Biomaterials, 2009, 30, 649-657.	5.7	116
66	Specific Targeting of Brain Tumors with an Optical/Magnetic Resonance Imaging Nanoprobe across the Blood-Brain Barrier. Cancer Research, 2009, 69, 6200-6207.	0.4	347