Andrew L Lewis

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Radiopaque drug-eluting embolisation beads as fiducial markers for stereotactic liver radiotherapy. British Journal of Radiology, 2022, 95, 20210594.	2.2	2
2	Evaluation of immune-modulating drugs for use in drug-eluting microsphere transarterial embolization. International Journal of Pharmaceutics, 2022, 616, 121466.	5.2	9
3	Cone-Beam Computed Tomography-Based Spatial Prediction of Drug Dose After Transarterial Chemoembolization Using Radiopaque Drug-Eluting Beads in Woodchuck Hepatocellular Carcinoma. Investigative Radiology, 2022, 57, 495-501.	6.2	4
4	Foam-in-vein: Rheological characterisation of liquid sclerosing foams using a pipe viscometer. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 645, 128916.	4.7	3
5	Phase 0 study of vandetanib-eluting radiopaque embolics as a pre-operative embolization treatment in patients with resectable liver malignancies. Journal of Vascular and Interventional Radiology, 2022, , .	0.5	0
6	Foamâ€inâ€vein: A review of rheological properties and characterization methods for optimization of sclerosing foams. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2021, 109, 69-91.	3.4	9
7	Vandetanib-eluting radiopaque beads for chemoembolization: physicochemical evaluation and biological activity of vandetanib in hypoxia. Anti-Cancer Drugs, 2021, 32, 897-908.	1.4	0
8	In situ evaluation of spatiotemporal distribution of doxorubicin from Drug-eluting Beads in a tissue mimicking phantom. European Journal of Pharmaceutical Sciences, 2021, 160, 105772.	4.0	6
9	Drug-eluting embolic microspheres: State-of-the-art and emerging clinical applications. Expert Opinion on Drug Delivery, 2021, 18, 383-398.	5.0	25
10	Synthesis, characterization, and imaging of radiopaque bismuth beads for image-guided transarterial embolization. Scientific Reports, 2021, 11, 533.	3.3	9
11	Sensitive combination products: Devices, pharmaceuticals, and biologics. , 2020, , 5-22.		0
12	Handling and performance characteristics of a new small caliber radiopaque embolic microsphere. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2020, 108, 2878-2888.	3.4	5
13	Safety and Tolerability of Topotecan-Eluting Radiopaque Microspheres for Hepatic Chemoembolization in a Rabbit Preclinical Model. CardioVascular and Interventional Radiology, 2020, 43, 1918-1924.	2.0	2
14	In vitro and ex vivo evaluation of the biological performance of sclerosing foams. Scientific Reports, 2019, 9, 9880.	3.3	5
15	Vandetanib-eluting Radiopaque Beads: Pharmacokinetics, Safety, and Efficacy in a Rabbit Model of Liver Cancer. Radiology, 2019, 293, 695-703.	7.3	16
16	Evaluation of novel formulations for transarterial chemoembolization: combining elements of Lipiodol emulsions with Drug-eluting Beads. Theranostics, 2019, 9, 5626-5641.	10.0	15
17	Physical Vein Models to Quantify the Flow Performance of Sclerosing Foams. Frontiers in Bioengineering and Biotechnology, 2019, 7, 109.	4.1	6
18	Predicting pharmacokinetic behaviour of drug release from drug-eluting embolization beads using in vitro elution methods. European Journal of Pharmaceutical Sciences, 2019, 136, 104943.	4.0	23

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19	Characterizing Drug-Polymer Bead Interactions Using Isothermal Titration Calorimetry. Journal of Pharmaceutical Sciences, 2019, 108, 1772-1778.	3.3	6
20	Toward a better understanding of the mechanism of action for intra-arterial delivery of irinotecan from DC Bead ^(TM) (DEBIRI). Future Oncology, 2019, 15, 2053-2068.	2.4	14
21	Pilot Study Comparing Systemic and Tissue Pharmacokinetics of Irinotecan and Metabolites after Hepatic Drug-Eluting Chemoembolization. Journal of Vascular and Interventional Radiology, 2019, 30, 19-22.	0.5	4
22	VEROnA Protocol: A Pilot, Open-Label, Single-Arm, Phase 0, Window-of-Opportunity Study of Vandetanib-Eluting Radiopaque Embolic Beads (BTG-002814) in Patients With Resectable Liver Malignancies. JMIR Research Protocols, 2019, 8, e13696.	1.0	4
23	Distribution and Detection of Radiopaque Beads after Hepatic Transarterial Embolization in Swine: Cone-Beam CT versus MicroCT. Journal of Vascular and Interventional Radiology, 2018, 29, 568-574.	0.5	11
24	Comparison of microsphere penetration with LC Bead LUMIâ,"¢ versus other commercial microspheres. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 78, 46-55.	3.1	23
25	Bench-to-clinic development of imageable drug-eluting embolization beads: finding the balance. Future Oncology, 2018, 14, 2741-2760.	2.4	25
26	Mapping Drug Dose Distribution on CT Images Following Transarterial Chemoembolization with Radiopaque Drug-Eluting Beads in a Rabbit Tumor Model. Radiology, 2018, 289, 396-404.	7.3	31
27	Preparation and characterisation of vandetanib-eluting radiopaque beads for locoregional treatment of hepatic malignancies. European Journal of Pharmaceutical Sciences, 2017, 101, 22-30.	4.0	27
28	Review of the Development of Methods for Characterization of Microspheres for Use in Embolotherapy: Translating Bench to Cathlab. Advanced Healthcare Materials, 2017, 6, 1601291.	7.6	54
29	Characterization of a novel intrinsically radiopaque Drug-eluting Bead for image-guided therapy: DC Bead LUMIâ,,¢. Journal of Controlled Release, 2017, 250, 36-47.	9.9	67
30	Unusual behaviour induced by phase separation in hydrogel microspheres. Acta Biomaterialia, 2017, 53, 190-198.	8.3	5
31	Towards Hypoxia-responsive Drug-eluting Embolization Beads. International Journal of Pharmaceutics, 2017, 524, 226-237.	5.2	2
32	The effect of cationically-modified phosphorylcholine polymers on human osteoblasts in vitro and their effect on bone formation in vivo. Journal of Materials Science: Materials in Medicine, 2017, 28, 144.	3.6	3
33	Impact of Yttrium-90 Microsphere Density, Flow Dynamics, and Administration Technique on Spatial Distribution: Analysis Using an In Vitro Model. Journal of Vascular and Interventional Radiology, 2017, 28, 260-268.e2.	0.5	19
34	Vandetanib-eluting Radiopaque Beads: <i>In vivo</i> Pharmacokinetics, Safety and Toxicity Evaluation following Swine Liver Embolization. Theranostics, 2017, 7, 2164-2176.	10.0	16
35	A Novel Inherently Radiopaque Bead for Transarterial Embolization to Treat Liver Cancer - A Pre-clinical Study. Theranostics, 2016, 6, 28-39.	10.0	74
36	First Human Experience with Directly Image-able Iodinated Embolization Microbeads. CardioVascular and Interventional Radiology, 2016, 39, 1177-1186.	2.0	47

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37	Long-term biocompatibility, imaging appearance and tissue effects associated with delivery of a novel radiopaque embolization bead for image-guided therapy. Biomaterials, 2016, 103, 293-304.	11.4	51
38	Evaluation of ion exchange processes in drug-eluting embolization beads by use of an improved flow-through elution method. European Journal of Pharmaceutical Sciences, 2016, 93, 351-359.	4.0	14
39	Multimodality Imaging of Ethiodized Oil–loaded Radiopaque Microspheres during Transarterial Embolization of Rabbits with VX2 Liver Tumors. Radiology, 2016, 279, 741-753.	7.3	22
40	Benefits of polidocanol endovenous microfoam (Varithena®) compared with physician-compounded foams. Phlebology, 2016, 31, 283-295.	1.2	38
41	Preparation of Radiopaque Drug-Eluting Beads for Transcatheter Chemoembolization. Journal of Vascular and Interventional Radiology, 2016, 27, 117-126.e3.	0.5	20
42	Synthesis and characterisation of cationic quaternary ammonium-modified polyvinyl alcohol hydrogel beads as a drug delivery embolisation system. Journal of Materials Science: Materials in Medicine, 2016, 27, 53.	3.6	10
43	DC BeadM1â,,¢: towards an optimal transcatheter hepatic tumour therapy. Journal of Materials Science: Materials in Medicine, 2016, 27, 13.	3.6	35
44	Microvascular Perfusion Changes following Transarterial Hepatic Tumor Embolization. Journal of Vascular and Interventional Radiology, 2016, 27, 133-141.e3.	0.5	17
45	Synthesis and characterization of image-able polyvinyl alcohol microspheres for image-guided chemoembolization. Journal of Materials Science: Materials in Medicine, 2015, 26, 198.	3.6	37
46	Direct Quantification and Comparison of Intratumoral Hypoxia following Transcatheter Arterial Embolization of VX2 Liver Tumors with Different Diameter Microspheres. Journal of Vascular and Interventional Radiology, 2015, 26, 1567-1573.	0.5	17
47	The role of clinically-relevant parameters on the cohesiveness of sclerosing foams in a biomimetic vein model. Journal of Materials Science: Materials in Medicine, 2015, 26, 258.	3.6	18
48	Intracoronary Infusion of Encapsulated Glucagon-Like Peptide-1–Eluting Mesenchymal Stem Cells Preserves Left Ventricular Function in a Porcine Model of Acute Myocardial Infarction. Circulation: Cardiovascular Interventions, 2014, 7, 673-683.	3.9	30
49	Investigation of the mechanisms governing doxorubicin and irinotecan release from drug-eluting beads: mathematical modeling and experimental verification. Journal of Materials Science: Materials in Medicine, 2013, 24, 2359-2370.	3.6	31
50	A novel biomimetic analysis system for quantitative characterisation of sclerosing foams used for the treatment of varicose veins. Journal of Materials Science: Materials in Medicine, 2013, 24, 1417-1423.	3.6	7
51	Feasibility, safety and pharmacokinetic study of hepatic administration of drug-eluting beads loaded with irinotecan (DEBIRI) followed by intravenous administration of irinotecan in a porcine model. Journal of Materials Science: Materials in Medicine, 2013, 24, 115-127.	3.6	17
52	Development of a combination drug-eluting bead. Anti-Cancer Drugs, 2012, 23, 355-369.	1.4	16
53	Radiopaque Drug-Eluting Beads for Transcatheter Embolotherapy: Experimental Study of Drug Penetration and Coverage in Swine. Journal of Vascular and Interventional Radiology, 2012, 23, 257-264.e4.	0.5	109
54	Locoregional drug delivery using image-guided intra-arterial drug eluting bead therapy. Journal of Controlled Release, 2012, 161, 338-350.	9.9	96

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55	DC Bead embolic drug-eluting bead: clinical application in the locoregional treatment of tumours. Expert Opinion on Drug Delivery, 2011, 8, 153-169.	5.0	66
56	IL6 and TNF expression in vessels and surrounding tissues after embolization with ibuprofen-loaded beads confirms diffusion of ibuprofen. European Journal of Pharmaceutical Sciences, 2011, 42, 489-495.	4.0	10
57	Characterisation of physico-mechanical properties and degradation potential of calcium alginate beads for use in embolisation. Journal of Materials Science: Materials in Medicine, 2010, 21, 2243-2251.	3.6	50
58	Comparison of DC Bead-irinotecan and DC Bead-topotecan drug eluting beads for use in locoregional drug delivery to treat pancreatic cancer. Journal of Materials Science: Materials in Medicine, 2010, 21, 2683-2690.	3.6	32
59	Drug-eluting Beads for Liver Embolization: Concentration of Doxorubicin in Tissue and in Beads in a Pig Model. Journal of Vascular and Interventional Radiology, 2010, 21, 259-267.	0.5	100
60	Development of "Imageable―Beads for Transcatheter Embolotherapy. Journal of Vascular and Interventional Radiology, 2010, 21, 865-876.	0.5	78
61	DC Beadâ,,¢: a major development in the toolbox for the interventional oncologist. Expert Review of Medical Devices, 2009, 6, 389-400.	2.8	56
62	Doxorubicin and mitoxantrone drug eluting beads for the treatment of experimental peritoneal carcinomatosis in colorectal cancer. International Journal of Cancer, 2009, 124, 2701-2708.	5.1	24
63	Chemoembolisation of rat colorectal liver metastases with drug eluting beads loaded with irinotecan or doxorubicin. Clinical and Experimental Metastasis, 2008, 25, 273-282.	3.3	40
64	Doxorubicin eluting beads—2: methods for evaluating drug elution and in-vitro:in-vivo correlation. Journal of Materials Science: Materials in Medicine, 2008, 19, 767-775.	3.6	115
65	Antiâ€inflammatory effect of ibuprofenâ€ioaded embolization beads in sheep uterus. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2008, 86B, 63-73.	3.4	21
66	Preservation of the active lactone form of irinotecan using drug eluting beads for the treatment of colorectal cancer metastases. Journal of Controlled Release, 2008, 127, 70-78.	9.9	23
67	Irinotecan drug eluting beads for use in chemoembolization: In vitro and in vivo evaluation of drug release properties. European Journal of Pharmaceutical Sciences, 2007, 30, 7-14.	4.0	166
68	Doxorubicin eluting beads â^' 1: Effects of drug loading on bead characteristics and drug distribution. Journal of Materials Science: Materials in Medicine, 2007, 18, 1691-1699.	3.6	158
69	DC Bead: In Vitro Characterization of a Drug-delivery Device for Transarterial Chemoembolization. Journal of Vascular and Interventional Radiology, 2006, 17, 335-342.	0.5	383
70	Pharmacokinetic and Safety Study of Doxorubicin-eluting Beads in a Porcine Model of Hepatic Arterial Embolization. Journal of Vascular and Interventional Radiology, 2006, 17, 1335-1343.	0.5	183
71	Comparative in vitro evaluation of microspherical embolisation agents. Journal of Materials Science: Materials in Medicine, 2006, 17, 1193-1204.	3.6	72
72	Biological responses to cationically charged phosphorylcholine-based materials in vitro. Biomaterials, 2004, 25, 5125-5135.	11.4	50

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73	The effect of phosphorylcholine-coated materials on the inflammatory response and fibrous capsule formation:In vitro andin vivo observations. Journal of Biomedical Materials Research Part B, 2004, 68A, 1-9.	3.1	57
74	Synthesis and characterisation of cationically modified phospholipid polymers. Biomaterials, 2004, 25, 3099-3108.	11.4	23
75	Biological evaluation and drug delivery application of cationically modified phospholipid polymers. Biomaterials, 2004, 25, 4785-4796.	11.4	41
76	Blending in with the Body. Journal of Chemical Education, 2002, 79, 321.	2.3	9
77	Phosphorylcholine-based polymers and their use in the prevention of biofouling. Colloids and Surfaces B: Biointerfaces, 2000, 18, 261-275.	5.0	461