

Andrew L Lewis

List of Publications by Year in descending order

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77
papers

3,374
citations

196777

29
h-index

162838

57
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all docs

79
docs citations

79
times ranked

2841
citing authors

#	ARTICLE	IF	CITATIONS
1	Radiopaque drug-eluting embolisation beads as fiducial markers for stereotactic liver radiotherapy. <i>British Journal of Radiology</i> , 2022, 95, 20210594.	1.0	2
2	Evaluation of immune-modulating drugs for use in drug-eluting microsphere transarterial embolization. <i>International Journal of Pharmaceutics</i> , 2022, 616, 121466.	2.6	9
3	Cone-Beam Computed Tomography-Based Spatial Prediction of Drug Dose After Transarterial Chemoembolization Using Radiopaque Drug-Eluting Beads in Woodchuck Hepatocellular Carcinoma. <i>Investigative Radiology</i> , 2022, 57, 495-501.	3.5	4
4	Foam-in-vein: Rheological characterisation of liquid sclerosing foams using a pipe viscometer. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 645, 128916.	2.3	3
5	Phase 0 study of vandetanib-eluting radiopaque embolics as a pre-operative embolization treatment in patients with resectable liver malignancies. <i>Journal of Vascular and Interventional Radiology</i> , 2022, , .	0.2	0
6	Foam-in-vein: A review of rheological properties and characterization methods for optimization of sclerosing foams. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2021, 109, 69-91.	1.6	9
7	Vandetanib-eluting radiopaque beads for chemoembolization: physicochemical evaluation and biological activity of vandetanib in hypoxia. <i>Anti-Cancer Drugs</i> , 2021, 32, 897-908.	0.7	0
8	In situ evaluation of spatiotemporal distribution of doxorubicin from Drug-eluting Beads in a tissue mimicking phantom. <i>European Journal of Pharmaceutical Sciences</i> , 2021, 160, 105772.	1.9	6
9	Drug-eluting embolic microspheres: State-of-the-art and emerging clinical applications. <i>Expert Opinion on Drug Delivery</i> , 2021, 18, 383-398.	2.4	25
10	Synthesis, characterization, and imaging of radiopaque bismuth beads for image-guided transarterial embolization. <i>Scientific Reports</i> , 2021, 11, 533.	1.6	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. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2020, 108, 2878-2888.	1.6	5
13	Safety and Tolerability of Topotecan-Eluting Radiopaque Microspheres for Hepatic Chemoembolization in a Rabbit Preclinical Model. <i>CardioVascular and Interventional Radiology</i> , 2020, 43, 1918-1924.	0.9	2
14	In vitro and ex vivo evaluation of the biological performance of sclerosing foams. <i>Scientific Reports</i> , 2019, 9, 9880.	1.6	5
15	Vandetanib-eluting Radiopaque Beads: Pharmacokinetics, Safety, and Efficacy in a Rabbit Model of Liver Cancer. <i>Radiology</i> , 2019, 293, 695-703.	3.6	16
16	Evaluation of novel formulations for transarterial chemoembolization: combining elements of Lipiodol emulsions with Drug-eluting Beads. <i>Theranostics</i> , 2019, 9, 5626-5641.	4.6	15
17	Physical Vein Models to Quantify the Flow Performance of Sclerosing Foams. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 109.	2.0	6
18	Predicting pharmacokinetic behaviour of drug release from drug-eluting embolization beads using in vitro elution methods. <i>European Journal of Pharmaceutical Sciences</i> , 2019, 136, 104943.	1.9	23

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19	Characterizing Drug-Polymer Bead Interactions Using Isothermal Titration Calorimetry. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 1772-1778.	1.6	6
20	Toward a better understanding of the mechanism of action for intra-arterial delivery of irinotecan from DC Bead TM (DEBIRI). <i>Future Oncology</i> , 2019, 15, 2053-2068.	1.1	14
21	Pilot Study Comparing Systemic and Tissue Pharmacokinetics of Irinotecan and Metabolites after Hepatic Drug-Eluting Chemoembolization. <i>Journal of Vascular and Interventional Radiology</i> , 2019, 30, 19-22.	0.2	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. <i>JMIR Research Protocols</i> , 2019, 8, e13696.	0.5	4
23	Distribution and Detection of Radiopaque Beads after Hepatic Transarterial Embolization in Swine: Cone-Beam CT versus MicroCT. <i>Journal of Vascular and Interventional Radiology</i> , 2018, 29, 568-574.	0.2	11
24	Comparison of microsphere penetration with LC Bead LUMI [®] , _® versus other commercial microspheres. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018, 78, 46-55.	1.5	23
25	Bench-to-clinic development of imageable drug-eluting embolization beads: finding the balance. <i>Future Oncology</i> , 2018, 14, 2741-2760.	1.1	25
26	Mapping Drug Dose Distribution on CT Images Following Transarterial Chemoembolization with Radiopaque Drug-Eluting Beads in a Rabbit Tumor Model. <i>Radiology</i> , 2018, 289, 396-404.	3.6	31
27	Preparation and characterisation of vandetanib-eluting radiopaque beads for locoregional treatment of hepatic malignancies. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 101, 22-30.	1.9	27
28	Review of the Development of Methods for Characterization of Microspheres for Use in Embolotherapy: Translating Bench to Cathlab. <i>Advanced Healthcare Materials</i> , 2017, 6, 1601291.	3.9	54
29	Characterization of a novel intrinsically radiopaque Drug-eluting Bead for image-guided therapy: DC Bead LUMI [®] , _® . <i>Journal of Controlled Release</i> , 2017, 250, 36-47.	4.8	67
30	Unusual behaviour induced by phase separation in hydrogel microspheres. <i>Acta Biomaterialia</i> , 2017, 53, 190-198.	4.1	5
31	Towards Hypoxia-responsive Drug-eluting Embolization Beads. <i>International Journal of Pharmaceutics</i> , 2017, 524, 226-237.	2.6	2
32	The effect of cationically-modified phosphorylcholine polymers on human osteoblasts in vitro and their effect on bone formation in vivo. <i>Journal of Materials Science: Materials in Medicine</i> , 2017, 28, 144.	1.7	3
33	Impact of Yttrium-90 Microsphere Density, Flow Dynamics, and Administration Technique on Spatial Distribution: Analysis Using an In Vitro Model. <i>Journal of Vascular and Interventional Radiology</i> , 2017, 28, 260-268.e2.	0.2	19
34	Vandetanib-eluting Radiopaque Beads: <i>In vivo</i> Pharmacokinetics, Safety and Toxicity Evaluation following Swine Liver Embolization. <i>Theranostics</i> , 2017, 7, 2164-2176.	4.6	16
35	A Novel Inherently Radiopaque Bead for Transarterial Embolization to Treat Liver Cancer - A Pre-clinical Study. <i>Theranostics</i> , 2016, 6, 28-39.	4.6	74
36	First Human Experience with Directly Image-able Iodinated Embolization Microbeads. <i>CardioVascular and Interventional Radiology</i> , 2016, 39, 1177-1186.	0.9	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. <i>Biomaterials</i> , 2016, 103, 293-304.	5.7	51
38	Evaluation of ion exchange processes in drug-eluting embolization beads by use of an improved flow-through elution method. <i>European Journal of Pharmaceutical Sciences</i> , 2016, 93, 351-359.	1.9	14
39	Multimodality Imaging of Ethiodized Oil-loaded Radiopaque Microspheres during Transarterial Embolization of Rabbits with VX2 Liver Tumors. <i>Radiology</i> , 2016, 279, 741-753.	3.6	22
40	Benefits of polidocanol endovenous microfoam (Varithena®) compared with physician-compounded foams. <i>Phlebology</i> , 2016, 31, 283-295.	0.6	38
41	Preparation of Radiopaque Drug-Eluting Beads for Transcatheter Chemoembolization. <i>Journal of Vascular and Interventional Radiology</i> , 2016, 27, 117-126.e3.	0.2	20
42	Synthesis and characterisation of cationic quaternary ammonium-modified polyvinyl alcohol hydrogel beads as a drug delivery embolisation system. <i>Journal of Materials Science: Materials in Medicine</i> , 2016, 27, 53.	1.7	10
43	DC Bead: towards an optimal transcatheter hepatic tumour therapy. <i>Journal of Materials Science: Materials in Medicine</i> , 2016, 27, 13.	1.7	35
44	Microvascular Perfusion Changes following Transarterial Hepatic Tumor Embolization. <i>Journal of Vascular and Interventional Radiology</i> , 2016, 27, 133-141.e3.	0.2	17
45	Synthesis and characterization of image-able polyvinyl alcohol microspheres for image-guided chemoembolization. <i>Journal of Materials Science: Materials in Medicine</i> , 2015, 26, 198.	1.7	37
46	Direct Quantification and Comparison of Intratumoral Hypoxia following Transcatheter Arterial Embolization of VX2 Liver Tumors with Different Diameter Microspheres. <i>Journal of Vascular and Interventional Radiology</i> , 2015, 26, 1567-1573.	0.2	17
47	The role of clinically-relevant parameters on the cohesiveness of sclerosing foams in a biomimetic vein model. <i>Journal of Materials Science: Materials in Medicine</i> , 2015, 26, 258.	1.7	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. <i>Circulation: Cardiovascular Interventions</i> , 2014, 7, 673-683.	1.4	30
49	Investigation of the mechanisms governing doxorubicin and irinotecan release from drug-eluting beads: mathematical modeling and experimental verification. <i>Journal of Materials Science: Materials in Medicine</i> , 2013, 24, 2359-2370.	1.7	31
50	A novel biomimetic analysis system for quantitative characterisation of sclerosing foams used for the treatment of varicose veins. <i>Journal of Materials Science: Materials in Medicine</i> , 2013, 24, 1417-1423.	1.7	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. <i>Journal of Materials Science: Materials in Medicine</i> , 2013, 24, 115-127.	1.7	17
52	Development of a combination drug-eluting bead. <i>Anti-Cancer Drugs</i> , 2012, 23, 355-369.	0.7	16
53	Radiopaque Drug-Eluting Beads for Transcatheter Embolotherapy: Experimental Study of Drug Penetration and Coverage in Swine. <i>Journal of Vascular and Interventional Radiology</i> , 2012, 23, 257-264.e4.	0.2	109
54	Locoregional drug delivery using image-guided intra-arterial drug eluting bead therapy. <i>Journal of Controlled Release</i> , 2012, 161, 338-350.	4.8	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.	2.4	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.	1.9	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.	1.7	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.	1.7	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.	0.2	100
60	Development of a biodegradable Beads for Transcatheter Embolotherapy. Journal of Vascular and Interventional Radiology, 2010, 21, 865-876.	0.2	78
61	DC Bead, a major development in the toolbox for the interventional oncologist. Expert Review of Medical Devices, 2009, 6, 389-400.	1.4	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.	2.3	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.	1.7	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.	1.7	115
65	Anti-inflammatory effect of ibuprofen-loaded embolization beads in sheep uterus. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2008, 86B, 63-73.	1.6	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.	4.8	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.	1.9	166
68	Doxorubicin eluting beads ¹ : Effects of drug loading on bead characteristics and drug distribution. Journal of Materials Science: Materials in Medicine, 2007, 18, 1691-1699.	1.7	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.	0.2	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.	0.2	183
71	Comparative in vitro evaluation of microspherical embolisation agents. Journal of Materials Science: Materials in Medicine, 2006, 17, 1193-1204.	1.7	72
72	Biological responses to cationically charged phosphorylcholine-based materials in vitro. Biomaterials, 2004, 25, 5125-5135.	5.7	50

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73	The effect of phosphorylcholine-coated materials on the inflammatory response and fibrous capsule formation: In vitro and in vivo observations. <i>Journal of Biomedical Materials Research Part B</i> , 2004, 68A, 1-9.	3.0	57
74	Synthesis and characterisation of cationically modified phospholipid polymers. <i>Biomaterials</i> , 2004, 25, 3099-3108.	5.7	23
75	Biological evaluation and drug delivery application of cationically modified phospholipid polymers. <i>Biomaterials</i> , 2004, 25, 4785-4796.	5.7	41
76	Blending in with the Body. <i>Journal of Chemical Education</i> , 2002, 79, 321.	1.1	9
77	Phosphorylcholine-based polymers and their use in the prevention of biofouling. <i>Colloids and Surfaces B: Biointerfaces</i> , 2000, 18, 261-275.	2.5	461