

Andrew L Lewis

List of Publications by Year in descending order

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77
papers

3,374
citations

172457

29
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144013

57
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79
all docs

79
docs citations

79
times ranked

2588
citing authors

#	ARTICLE	IF	CITATIONS
1	Phosphorylcholine-based polymers and their use in the prevention of biofouling. <i>Colloids and Surfaces B: Biointerfaces</i> , 2000, 18, 261-275.	5.0	461
2	DC Bead: In Vitro Characterization of a Drug-delivery Device for Transarterial Chemoembolization. <i>Journal of Vascular and Interventional Radiology</i> , 2006, 17, 335-342.	0.5	383
3	Pharmacokinetic and Safety Study of Doxorubicin-eluting Beads in a Porcine Model of Hepatic Arterial Embolization. <i>Journal of Vascular and Interventional Radiology</i> , 2006, 17, 1335-1343.	0.5	183
4	Irinotecan drug eluting beads for use in chemoembolization: In vitro and in vivo evaluation of drug release properties. <i>European Journal of Pharmaceutical Sciences</i> , 2007, 30, 7-14.	4.0	166
5	Doxorubicin eluting beads 1: Effects of drug loading on bead characteristics and drug distribution. <i>Journal of Materials Science: Materials in Medicine</i> , 2007, 18, 1691-1699.	3.6	158
6	Doxorubicin eluting beads 2: methods for evaluating drug elution and in-vitro:in-vivo correlation. <i>Journal of Materials Science: Materials in Medicine</i> , 2008, 19, 767-775.	3.6	115
7	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.	0.5	109
8	Drug-eluting Beads for Liver Embolization: Concentration of Doxorubicin in Tissue and in Beads in a Pig Model. <i>Journal of Vascular and Interventional Radiology</i> , 2010, 21, 259-267.	0.5	100
9	Locoregional drug delivery using image-guided intra-arterial drug eluting bead therapy. <i>Journal of Controlled Release</i> , 2012, 161, 338-350.	9.9	96
10	Development of Imageable Beads for Transcatheter Embolotherapy. <i>Journal of Vascular and Interventional Radiology</i> , 2010, 21, 865-876.	0.5	78
11	A Novel Inherently Radiopaque Bead for Transarterial Embolization to Treat Liver Cancer - A Pre-clinical Study. <i>Theranostics</i> , 2016, 6, 28-39.	10.0	74
12	Comparative in vitro evaluation of microspherical embolisation agents. <i>Journal of Materials Science: Materials in Medicine</i> , 2006, 17, 1193-1204.	3.6	72
13	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.	9.9	67
14	DC Bead embolic drug-eluting bead: clinical application in the locoregional treatment of tumours. <i>Expert Opinion on Drug Delivery</i> , 2011, 8, 153-169.	5.0	66
15	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.	3.1	57
16	DC Bead, a major development in the toolbox for the interventional oncologist. <i>Expert Review of Medical Devices</i> , 2009, 6, 389-400.	2.8	56
17	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.	7.6	54
18	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.	11.4	51

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19	Biological responses to cationically charged phosphorylcholine-based materials in vitro. <i>Biomaterials</i> , 2004, 25, 5125-5135.	11.4	50
20	Characterisation of physico-mechanical properties and degradation potential of calcium alginate beads for use in embolisation. <i>Journal of Materials Science: Materials in Medicine</i> , 2010, 21, 2243-2251.	3.6	50
21	First Human Experience with Directly Image-able Iodinated Embolization Microbeads. <i>CardioVascular and Interventional Radiology</i> , 2016, 39, 1177-1186.	2.0	47
22	Biological evaluation and drug delivery application of cationically modified phospholipid polymers. <i>Biomaterials</i> , 2004, 25, 4785-4796.	11.4	41
23	Chemoembolisation of rat colorectal liver metastases with drug eluting beads loaded with irinotecan or doxorubicin. <i>Clinical and Experimental Metastasis</i> , 2008, 25, 273-282.	3.3	40
24	Benefits of polidocanol endovenous microfoam (Varithena®) compared with physician-compounded foams. <i>Phlebology</i> , 2016, 31, 283-295.	1.2	38
25	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.	3.6	37
26	DC Bead™: towards an optimal transcatheter hepatic tumour therapy. <i>Journal of Materials Science: Materials in Medicine</i> , 2016, 27, 13.	3.6	35
27	Comparison of DC Bead-irinotecan and DC Bead-topotecan drug eluting beads for use in locoregional drug delivery to treat pancreatic cancer. <i>Journal of Materials Science: Materials in Medicine</i> , 2010, 21, 2683-2690.	3.6	32
28	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.	3.6	31
29	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.	7.3	31
30	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.	3.9	30
31	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.	4.0	27
32	Bench-to-clinic development of imageable drug-eluting embolization beads: finding the balance. <i>Future Oncology</i> , 2018, 14, 2741-2760.	2.4	25
33	Drug-eluting embolic microspheres: State-of-the-art and emerging clinical applications. <i>Expert Opinion on Drug Delivery</i> , 2021, 18, 383-398.	5.0	25
34	Doxorubicin and mitoxantrone drug eluting beads for the treatment of experimental peritoneal carcinomatosis in colorectal cancer. <i>International Journal of Cancer</i> , 2009, 124, 2701-2708.	5.1	24
35	Synthesis and characterisation of cationically modified phospholipid polymers. <i>Biomaterials</i> , 2004, 25, 3099-3108.	11.4	23
36	Preservation of the active lactone form of irinotecan using drug eluting beads for the treatment of colorectal cancer metastases. <i>Journal of Controlled Release</i> , 2008, 127, 70-78.	9.9	23

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37	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.	3.1	23
38	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.	4.0	23
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.	7.3	22
40	Anti-inflammatory effect of ibuprofen-loaded embolization beads in sheep uterus. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2008, 86B, 63-73.	3.4	21
41	Preparation of Radiopaque Drug-Eluting Beads for Transcatheter Chemoembolization. <i>Journal of Vascular and Interventional Radiology</i> , 2016, 27, 117-126.e3.	0.5	20
42	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.	0.5	19
43	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.	3.6	18
44	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.	3.6	17
45	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.	0.5	17
46	Microvascular Perfusion Changes following Transarterial Hepatic Tumor Embolization. <i>Journal of Vascular and Interventional Radiology</i> , 2016, 27, 133-141.e3.	0.5	17
47	Development of a combination drug-eluting bead. <i>Anti-Cancer Drugs</i> , 2012, 23, 355-369.	1.4	16
48	Vandetanib-eluting Radiopaque Beads: <i>In vivo</i> Pharmacokinetics, Safety and Toxicity Evaluation following Swine Liver Embolization. <i>Theranostics</i> , 2017, 7, 2164-2176.	10.0	16
49	Vandetanib-eluting Radiopaque Beads: Pharmacokinetics, Safety, and Efficacy in a Rabbit Model of Liver Cancer. <i>Radiology</i> , 2019, 293, 695-703.	7.3	16
50	Evaluation of novel formulations for transarterial chemoembolization: combining elements of Lipiodol emulsions with Drug-eluting Beads. <i>Theranostics</i> , 2019, 9, 5626-5641.	10.0	15
51	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.	4.0	14
52	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.	2.4	14
53	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.	0.5	11
54	IL6 and TNF expression in vessels and surrounding tissues after embolization with ibuprofen-loaded beads confirms diffusion of ibuprofen. <i>European Journal of Pharmaceutical Sciences</i> , 2011, 42, 489-495.	4.0	10

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55	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.	3.6	10
56	Blending in with the Body. <i>Journal of Chemical Education</i> , 2002, 79, 321.	2.3	9
57	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.	3.4	9
58	Synthesis, characterization, and imaging of radiopaque bismuth beads for image-guided transarterial embolization. <i>Scientific Reports</i> , 2021, 11, 533.	3.3	9
59	Evaluation of immune-modulating drugs for use in drug-eluting microsphere transarterial embolization. <i>International Journal of Pharmaceutics</i> , 2022, 616, 121466.	5.2	9
60	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.	3.6	7
61	Physical Vein Models to Quantify the Flow Performance of Sclerosing Foams. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 109.	4.1	6
62	Characterizing Drug-Polymer Bead Interactions Using Isothermal Titration Calorimetry. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 1772-1778.	3.3	6
63	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.	4.0	6
64	Unusual behaviour induced by phase separation in hydrogel microspheres. <i>Acta Biomaterialia</i> , 2017, 53, 190-198.	8.3	5
65	In vitro and ex vivo evaluation of the biological performance of sclerosing foams. <i>Scientific Reports</i> , 2019, 9, 9880.	3.3	5
66	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.	3.4	5
67	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.	0.5	4
68	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.	1.0	4
69	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.	6.2	4
70	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.	3.6	3
71	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.	4.7	3
72	Towards Hypoxia-responsive Drug-eluting Embolization Beads. <i>International Journal of Pharmaceutics</i> , 2017, 524, 226-237.	5.2	2

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73	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
74	Radiopaque drug-eluting embolisation beads as fiducial markers for stereotactic liver radiotherapy. British Journal of Radiology, 2022, 95, 20210594.	2.2	2
75	Sensitive combination products: Devices, pharmaceuticals, and biologics. , 2020, , 5-22.		0
76	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
77	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