

John D Lewis

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

3,370
citations

147801

31
h-index

149698

56
g-index

73
all docs

73
docs citations

73
times ranked

5360
citing authors

#	ARTICLE	IF	CITATIONS
1	Viral nanoparticles as tools for intravital vascular imaging. <i>Nature Medicine</i> , 2006, 12, 354-360.	30.7	329
2	Invadopodia Are Required for Cancer Cell Extravasation and Are a Therapeutic Target for Metastasis. <i>Cell Reports</i> , 2014, 8, 1558-1570.	6.4	310
3	The Inhibition of Tumor Cell Intravasation and Subsequent Metastasis via Regulation of In Vivo Tumor Cell Motility by the Tetraspanin CD151. <i>Cancer Cell</i> , 2008, 13, 221-234.	16.8	223
4	Hydrazone Ligation Strategy to Assemble Multifunctional Viral Nanoparticles for Cell Imaging and Tumor Targeting. <i>Nano Letters</i> , 2010, 10, 1093-1097.	9.1	144
5	Targeting tumor cell motility to prevent metastasis. <i>Advanced Drug Delivery Reviews</i> , 2011, 63, 568-581.	13.7	144
6	Increased Tumor Homing and Tissue Penetration of the Filamentous Plant Viral Nanoparticle <i>Potato virus X</i> . <i>Molecular Pharmaceutics</i> , 2013, 10, 33-42.	4.6	139
7	Intravital imaging of embryonic and tumor neovasculature using viral nanoparticles. <i>Nature Protocols</i> , 2010, 5, 1406-1417.	12.0	129
8	The chick embryo as an expanding experimental model for cancer and cardiovascular research. <i>Developmental Dynamics</i> , 2014, 243, 216-228.	1.8	117
9	Cowpea mosaic virus nanoparticles target surface vimentin on cancer cells. <i>Nanomedicine</i> , 2011, 6, 351-364.	3.3	107
10	Intravital Imaging of Human Prostate Cancer Using Viral Nanoparticles Targeted to Gastrin Releasing Peptide Receptors. <i>Small</i> , 2011, 7, 1664-1672.	10.0	100
11	Porphyrin Nanodroplets: Submicrometer Ultrasound and Photoacoustic Contrast Imaging Agents. <i>Small</i> , 2016, 12, 371-380.	10.0	82
12	Core Needle Biopsy of Breast Cancer Tumors Increases Distant Metastases in a Mouse Model. <i>Neoplasia</i> , 2014, 16, 950-960.	5.3	74
13	Differential Functional Roles of ALDH1A1 and ALDH1A3 in Mediating Metastatic Behavior and Therapy Resistance of Human Breast Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2039.	4.1	70
14	Metabolic Modulation of Clear-cell Renal Cell Carcinoma with Dichloroacetate, an Inhibitor of Pyruvate Dehydrogenase Kinase. <i>European Urology</i> , 2016, 69, 734-744.	1.9	66
15	Cowpea mosaic virus nanoparticles for cancer imaging and therapy. <i>Advanced Drug Delivery Reviews</i> , 2019, 145, 130-144.	13.7	62
16	LPP is a Src substrate required for invadopodia formation and efficient breast cancer lung metastasis. <i>Nature Communications</i> , 2017, 8, 15059.	12.8	59
17	Quantitative Analysis of Cancer Metastasis using an Avian Embryo Model. <i>Journal of Visualized Experiments</i> , 2011, , .	0.3	58
18	The fluid shear stress sensor TRPM7 regulates tumor cell intravasation. <i>Science Advances</i> , 2021, 7, .	10.3	56

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19	Synthesis of bombesin-functionalized iron oxide nanoparticles and their specific uptake in prostate cancer cells. <i>Journal of Nanoparticle Research</i> , 2010, 12, 1599-1608.	1.9	53
20	Nuclear localization of maspin is essential for its inhibition of tumor growth and metastasis. <i>Laboratory Investigation</i> , 2011, 91, 1181-1187.	3.7	53
21	Protein-tyrosine Pseudokinase 7 (PTK7) Directs Cancer Cell Motility and Metastasis. <i>Journal of Biological Chemistry</i> , 2014, 289, 24238-24249.	3.4	53
22	Novel therapeutic targets for cancer metastasis. <i>Expert Review of Anticancer Therapy</i> , 2020, 20, 97-109.	2.4	53
23	Enhanced Detection of Cancer Biomarkers in Blood-Borne Extracellular Vesicles Using Nanodroplets and Focused Ultrasound. <i>Cancer Research</i> , 2017, 77, 3-13.	0.9	51
24	Real-Time Visualization and Quantitation of Vascular Permeability In Vivo: Implications for Drug Delivery. <i>PLoS ONE</i> , 2012, 7, e33760.	2.5	41
25	Functional assessment of von Willebrand factor expression by cancer cells of non-endothelial origin. <i>Oncotarget</i> , 2017, 8, 13015-13029.	1.8	41
26	Integrin-Free Tetraspanin CD151 Can Inhibit Tumor Cell Motility upon Clustering and Is a Clinical Indicator of Prostate Cancer Progression. <i>Cancer Research</i> , 2014, 74, 173-187.	0.9	39
27	Endothelial Cell mTOR Complex-2 Regulates Sprouting Angiogenesis. <i>PLoS ONE</i> , 2015, 10, e0135245.	2.5	38
28	Deletion of <i>F4L</i> (ribonucleotide reductase) in vaccinia virus produces a selective oncolytic virus and promotes anti-tumor immunity with superior safety in bladder cancer models. <i>EMBO Molecular Medicine</i> , 2017, 9, 638-654.	6.9	36
29	Cohort profile: the TrueNTH Global Registry - an international registry to monitor and improve localised prostate cancer health outcomes. <i>BMJ Open</i> , 2017, 7, e017006.	1.9	35
30	MicroRNA-1301 suppresses tumor cell migration and invasion by targeting the p53/UBE4B pathway in multiple human cancer cells. <i>Cancer Letters</i> , 2017, 401, 20-32.	7.2	34
31	Molecular Targeted Viral Nanoparticles as Tools for Imaging Cancer. <i>Methods in Molecular Biology</i> , 2014, 1108, 211-230.	0.9	33
32	Evaluation of Nanoparticle Uptake in Tumors in Real Time Using Intravital Imaging. <i>Journal of Visualized Experiments</i> , 2011, , .	0.3	32
33	High-Throughput Screening of One-Bead One-Compound Peptide Libraries Using Intact Cells. <i>ACS Combinatorial Science</i> , 2013, 15, 393-400.	3.8	32
34	Stage of Breast Cancer Progression Influences Cellular Response to Activation of the WNT/Planar Cell Polarity Pathway. <i>Scientific Reports</i> , 2014, 4, 6315.	3.3	32
35	Assessing Cancer Cell Migration and Metastatic Growth In Vivo in the Chick Embryo Using Fluorescence Intravital Imaging. <i>Methods in Molecular Biology</i> , 2012, 872, 1-14.	0.9	30
36	Amplification of a calcium channel subunit CACNG4 increases breast cancer metastasis. <i>EBioMedicine</i> , 2020, 52, 102646.	6.1	29

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37	Invadopodia: a new therapeutic target to block cancer metastasis. <i>Expert Review of Anticancer Therapy</i> , 2015, 15, 733-735.	2.4	28
38	Response to Alternating Electric Fields of Tubulin Dimers and Microtubule Ensembles in Electrolytic Solutions. <i>Scientific Reports</i> , 2017, 7, 9594.	3.3	28
39	Chrelin receptor as a novel imaging target for prostatic neoplasms. <i>Prostate</i> , 2012, 72, 825-833.	2.3	27
40	PEG-PLGA nanospheres loaded with nanoscintillators and photosensitizers for radiation-activated photodynamic therapy. <i>Acta Biomaterialia</i> , 2020, 117, 335-348.	8.3	24
41	Viral nanoparticles decorated with novel EGFL7 ligands enable intravital imaging of tumor neovasculature. <i>Nanoscale</i> , 2017, 9, 12096-12109.	5.6	23
42	Discovery of Novel Integrin Ligands from Combinatorial Libraries Using a Multiplex "Beads on a Bead" Approach. <i>Nano Letters</i> , 2012, 12, 5957-5965.	9.1	22
43	Ankyrin G expression is associated with androgen receptor stability, invasiveness, and lethal outcome in prostate cancer patients. <i>Journal of Molecular Medicine</i> , 2016, 94, 1411-1422.	3.9	21
44	Quantitative in vivo whole genome motility screen reveals novel therapeutic targets to block cancer metastasis. <i>Nature Communications</i> , 2018, 9, 2343.	12.8	21
45	A fast, reproducible and low-cost method for sequence deconvolution of "on-bead"™ peptides via "on-target"™ maldi-TOF/TOF mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2010, 45, 241-251.	1.6	19
46	The role of the androgen receptor in prostate cancer-induced platelet aggregation and platelet-induced invasion. <i>Journal of Thrombosis and Haemostasis</i> , 2020, 18, 2976-2986.	3.8	18
47	Investigation of the Electrical Properties of Microtubule Ensembles under Cell-Like Conditions. <i>Nanomaterials</i> , 2020, 10, 265.	4.1	14
48	Validating tyrosinase homologue <i>melA</i> as a photoacoustic reporter gene for imaging <i>Escherichia coli</i> . <i>Journal of Biomedical Optics</i> , 2015, 20, 106008.	2.6	13
49	Imaging the Impact of Chemically Inducible Proteins on Cellular Dynamics In Vivo. <i>PLoS ONE</i> , 2012, 7, e30177.	2.5	12
50	Quantitative Analysis of Human Cancer Cell Extravasation Using Intravital Imaging. <i>Methods in Molecular Biology</i> , 2016, 1458, 27-37.	0.9	10
51	Multimodality Raman and photoacoustic imaging of surface-enhanced-Raman-scattering-targeted tumor cells. <i>Journal of Biomedical Optics</i> , 2016, 21, 020503.	2.6	8
52	Platelets stimulate programmed death ligand 1 expression by cancer cells: Inhibition by anti-platelet drugs. <i>Journal of Thrombosis and Haemostasis</i> , 2021, 19, 2862-2872.	3.8	8
53	Body Composition and Prostate Cancer Risk: A Systematic Review of Observational Studies. <i>Advances in Nutrition</i> , 2021, , .	6.4	8
54	Roles of the Na ⁺ /H ⁺ Exchanger Isoform 1 and Urokinase in Prostate Cancer Cell Migration and Invasion. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13263.	4.1	8

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55	Revealing and Attenuating the Electrostatic Properties of Tubulin and Its Polymers. <i>Small</i> , 2021, 17, 2003560.	10.0	7
56	High Serine-arginine Protein Kinase 1 Expression with PTEN Loss Defines Aggressive Phenotype of Prostate Cancer Associated with Lethal Outcome and Decreased Overall Survival. <i>European Urology Open Science</i> , 2021, 23, 1-8.	0.4	7
57	Application of Surface-Enhanced Raman Spectroscopy to Guide Therapy for Advanced Prostate Cancer Patients. <i>ACS Sensors</i> , 2022, 7, 827-838.	7.8	7
58	A Nanometric Probe of the Local Proton Concentration in Microtubule-Based Biophysical Systems. <i>Nano Letters</i> , 2022, 22, 517-523.	9.1	7
59	High efficacy vasopermeability drug candidates identified by screening in an ex ovo chorioallantoic membrane model. <i>Scientific Reports</i> , 2015, 5, 15756.	3.3	6
60	Behavior of $\hat{1}\pm$, $\hat{1}^2$ tubulin in DMSO-containing electrolytes. <i>Nanoscale Advances</i> , 2019, 1, 3364-3371.	4.6	6
61	Clinical analysis of the extracellular vesicle-fingerprint score blood test to refine the prediction of clinically significant prostate cancer and avoid prostate biopsy.. <i>Journal of Clinical Oncology</i> , 2020, 38, 5530-5530.	1.6	5
62	Cohort profile: the Alberta Prostate Cancer Research Initiative (APCaRI) Registry and Biorepository facilitates technology translation to the clinic through the use of linked, longitudinal clinical and patient-reported data and biospecimens from men in Alberta, Canada. <i>BMJ Open</i> , 2020, 10, e037222.	1.9	5
63	Preferential interaction of platelets with prostate cancer cells with stem cell markers. <i>Thrombosis Research</i> , 2021, 206, 42-51.	1.7	4
64	Visualization and Quantification of De Novo Angiogenesis in Ex Ovo Chicken Embryos. , 2012, , 217-240.		4
65	PROSPeCT: A Predictive Research Online System for Prostate Cancer Tasks. <i>JCO Clinical Cancer Informatics</i> , 2019, 3, 1-12.	2.1	3
66	Intravital imaging tumor screen used to identify novel metastasis-blocking therapeutic targets. <i>Cell Stress</i> , 2018, 2, 275-278.	3.2	3
67	Enrichment and ratiometric detection of circulating tumor cells using PSMA- and folate receptor-targeted magnetic and surface-enhanced Raman scattering nanoparticles. <i>Biomedical Optics Express</i> , 2020, 11, 6211.	2.9	3
68	Novel colchicine derivative CR42-24 demonstrates potent anti-tumor activity in urothelial carcinoma. <i>Cancer Letters</i> , 2022, 526, 168-179.	7.2	3
69	Discovery of Metastatic Regulators using a Rapid and Quantitative Intravital Chick Chorioallantoic Membrane Model. <i>Journal of Visualized Experiments</i> , 2021, , .	0.3	1
70	In vivohistone H1 migration from necrotic to viable tissue. <i>Oncotarget</i> , 2017, 8, 16275-16292.	1.8	1
71	Cohort profile: the Alberta Prostate Cancer Research Initiative (APCaRI) Registry and Biorepository facilitates technology translation to the clinic through the use of linked, longitudinal clinical and patient-reported data and biospecimens from men in Alberta, Canada. <i>BMJ Open</i> , 2020, 10, e037222.	1.9	0