John D Lewis

List of Publications by Year in descending order

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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	Novel colchicine derivative CR42-24 demonstrates potent anti-tumor activity in urothelial carcinoma. Cancer Letters, 2022, 526, 168-179.	7.2	3
2	Application of Surface-Enhanced Raman Spectroscopy to Guide Therapy for Advanced Prostate Cancer Patients. ACS Sensors, 2022, 7, 827-838.	7.8	7
3	A Nanometric Probe of the Local Proton Concentration in Microtubule-Based Biophysical Systems. Nano Letters, 2022, 22, 517-523.	9.1	7
4	Revealing and Attenuating the Electrostatic Properties of Tubulin and Its Polymers. Small, 2021, 17, 2003560.	10.0	7
5	High Serine-arginine Protein Kinase 1 Expression with PTEN Loss Defines Aggressive Phenotype of Prostate Cancer Associated with Lethal Outcome and Decreased Overall Survival. European Urology Open Science, 2021, 23, 1-8.	0.4	7
6	Discovery of Metastatic Regulators using a Rapid and Quantitative Intravital Chick Chorioallantoic Membrane Model. Journal of Visualized Experiments, 2021, , .	0.3	1
7	The fluid shear stress sensor TRPM7 regulates tumor cell intravasation. Science Advances, 2021, 7, .	10.3	56
8	Platelets stimulate programmed deathâ€ligand 1 expression by cancer cells: Inhibition by antiâ€platelet drugs. Journal of Thrombosis and Haemostasis, 2021, 19, 2862-2872.	3.8	8
9	Preferential interaction of platelets with prostate cancer cells with stem cell markers. Thrombosis Research, 2021, 206, 42-51.	1.7	4
10	Body Composition and Prostate Cancer Risk: A Systematic Review of Observational Studies. Advances in Nutrition, 2021, , .	6.4	8
11	Roles of the Na+/H+ Exchanger Isoform 1 and Urokinase in Prostate Cancer Cell Migration and Invasion. International Journal of Molecular Sciences, 2021, 22, 13263.	4.1	8
12	PEG-PLGA nanospheres loaded with nanoscintillators and photosensitizers for radiation-activated photodynamic therapy. Acta Biomaterialia, 2020, 117, 335-348.	8.3	24
13	The role of the androgen receptor in prostate cancerâ€induced platelet aggregation and plateletâ€induced invasion. Journal of Thrombosis and Haemostasis, 2020, 18, 2976-2986.	3.8	18
14	Investigation of the Electrical Properties of Microtubule Ensembles under Cell-Like Conditions. Nanomaterials, 2020, 10, 265.	4.1	14
15	Amplification of a calcium channel subunit CACNG4 increases breast cancer metastasis. EBioMedicine, 2020, 52, 102646.	6.1	29
16	Novel therapeutic targets for cancer metastasis. Expert Review of Anticancer Therapy, 2020, 20, 97-109.	2.4	53
17	Clinical analysis of the extracellular vesicle-fingerprint score blood test to refine the prediction of clinically significant prostate cancer and avoid prostate biopsy.. Journal of Clinical Oncology, 2020, 38, 5530-5530.	1.6	5
18	Enrichment and ratiometric detection of circulating tumor cells using PSMA- and folate receptor-targeted magnetic and surface-enhanced Raman scattering nanoparticles. Biomedical Optics Express, 2020, 11, 6211.	2.9	3

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19	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. BMJ Open, 2020, 10, e037222.	1.9	0
20	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. BMJ Open, 2020, 10, e037222.	1.9	5
21	Behavior of Î±, Î² tubulin in DMSO-containing electrolytes. Nanoscale Advances, 2019, 1, 3364-3371.	4.6	6
22	Cowpea mosaic virus nanoparticles for cancer imaging and therapy. Advanced Drug Delivery Reviews, 2019, 145, 130-144.	13.7	62
23	PROSPeCT: A Predictive Research Online System for Prostate Cancer Tasks. JCO Clinical Cancer Informatics, 2019, 3, 1-12.	2.1	3
24	Quantitative in vivo whole genome motility screen reveals novel therapeutic targets to block cancer metastasis. Nature Communications, 2018, 9, 2343.	12.8	21
25	Intravital imaging tumor screen used to identify novel metastasis-blocking therapeutic targets. Cell Stress, 2018, 2, 275-278.	3.2	3
26	LPP is a Src substrate required for invadopodia formation and efficient breast cancer lung metastasis. Nature Communications, 2017, 8, 15059.	12.8	59
27	MicroRNA-1301 suppresses tumor cell migration and invasion by targeting the p53/UBE4B pathway in multiple human cancer cells. Cancer Letters, 2017, 401, 20-32.	7.2	34
28	Deletion of F4L (ribonucleotide reductase) in vaccinia virus produces a selective oncolytic virus and promotes antiâ€tumor immunity with superior safety in bladder cancer models. EMBO Molecular Medicine, 2017, 9, 638-654.	6.9	36
29	Response to Alternating Electric Fields of Tubulin Dimers and Microtubule Ensembles in Electrolytic Solutions. Scientific Reports, 2017, 7, 9594.	3.3	28
30	Viral nanoparticles decorated with novel EGFL7 ligands enable intravital imaging of tumor neovasculature. Nanoscale, 2017, 9, 12096-12109.	5.6	23
31	Enhanced Detection of Cancer Biomarkers in Blood-Borne Extracellular Vesicles Using Nanodroplets and Focused Ultrasound. Cancer Research, 2017, 77, 3-13.	0.9	51
32	Cohort profile: the TrueNTH Global Registry - an international registry to monitor and improve localised prostate cancer health outcomes. BMJ Open, 2017, 7, e017006.	1.9	35
33	Differential Functional Roles of ALDH1A1 and ALDH1A3 in Mediating Metastatic Behavior and Therapy Resistance of Human Breast Cancer Cells. International Journal of Molecular Sciences, 2017, 18, 2039.	4.1	70
34	Functional assessment of von Willebrand factor expression by cancer cells of non-endothelial origin. Oncotarget, 2017, 8, 13015-13029.	1.8	41
35	In vivohistone H1 migration from necrotic to viable tissue. Oncotarget, 2017, 8, 16275-16292.	1.8	1
36	Quantitative Analysis of Human Cancer Cell Extravasation Using Intravital Imaging. Methods in Molecular Biology, 2016, 1458, 27-37.	0.9	10

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37	Ankyrin G expression is associated with androgen receptor stability, invasiveness, and lethal outcome in prostate cancer patients. Journal of Molecular Medicine, 2016, 94, 1411-1422.	3.9	21
38	Porphyrin Nanodroplets: Subâ€micrometer Ultrasound and Photoacoustic Contrast Imaging Agents. Small, 2016, 12, 371-380.	10.0	82
39	Multimodality Raman and photoacoustic imaging of surface-enhanced-Raman-scattering-targeted tumor cells. Journal of Biomedical Optics, 2016, 21, 020503.	2.6	8
40	Metabolic Modulation of Clear-cell Renal Cell Carcinoma with Dichloroacetate, an Inhibitor of Pyruvate Dehydrogenase Kinase. European Urology, 2016, 69, 734-744.	1.9	66
41	High efficacy vasopermeability drug candidates identified by screening in an ex ovo chorioallantoic membrane model. Scientific Reports, 2015, 5, 15756.	3.3	6
42	Endothelial Cell mTOR Complex-2 Regulates Sprouting Angiogenesis. PLoS ONE, 2015, 10, e0135245.	2.5	38
43	Validating tyrosinase homologuemelAas a photoacoustic reporter gene for imagingEscherichia coli. Journal of Biomedical Optics, 2015, 20, 106008.	2.6	13
44	Invadopodia: a new therapeutic target to block cancer metastasis. Expert Review of Anticancer Therapy, 2015, 15, 733-735.	2.4	28
45	Invadopodia Are Required for Cancer Cell Extravasation and Are a Therapeutic Target for Metastasis. Cell Reports, 2014, 8, 1558-1570.	6.4	310
46	Core Needle Biopsy of Breast Cancer Tumors Increases Distant Metastases in a Mouse Model. Neoplasia, 2014, 16, 950-960.	5.3	74
47	The chick embryo as an expanding experimental model for cancer and cardiovascular research. Developmental Dynamics, 2014, 243, 216-228.	1.8	117
48	Stage of Breast Cancer Progression Influences Cellular Response to Activation of the WNT/Planar Cell Polarity Pathway. Scientific Reports, 2014, 4, 6315.	3.3	32
49	Protein-tyrosine Pseudokinase 7 (PTK7) Directs Cancer Cell Motility and Metastasis. Journal of Biological Chemistry, 2014, 289, 24238-24249.	3.4	53
50	Integrin-Free Tetraspanin CD151 Can Inhibit Tumor Cell Motility upon Clustering and Is a Clinical Indicator of Prostate Cancer Progression. Cancer Research, 2014, 74, 173-187.	0.9	39
51	Molecular Targeted Viral Nanoparticles as Tools for Imaging Cancer. Methods in Molecular Biology, 2014, 1108, 211-230.	0.9	33
52	Increased Tumor Homing and Tissue Penetration of the Filamentous Plant Viral Nanoparticle Potato virus X. Molecular Pharmaceutics, 2013, 10, 33-42.	4.6	139
53	High-Throughput Screening of One-Beadâ€“One-Compound Peptide Libraries Using Intact Cells. ACS Combinatorial Science, 2013, 15, 393-400.	3.8	32
54	Discovery of Novel Integrin Ligands from Combinatorial Libraries Using a Multiplex â€œBeads on a Beadâ€• Approach. Nano Letters, 2012, 12, 5957-5965.	9.1	22

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55	Imaging the Impact of Chemically Inducible Proteins on Cellular Dynamics In Vivo. PLoS ONE, 2012, 7, e30177.	2.5	12
56	Ghrelin receptor as a novel imaging target for prostatic neoplasms. Prostate, 2012, 72, 825-833.	2.3	27
57	Assessing Cancer Cell Migration and Metastatic Growth In Vivo in the Chick Embryo Using Fluorescence Intravital Imaging. Methods in Molecular Biology, 2012, 872, 1-14.	0.9	30
58	Visualization and Quantification of De Novo Angiogenesis in Ex Ovo Chicken Embryos. , 2012, , 217-240.		4
59	Real-Time Visualization and Quantitation of Vascular Permeability In Vivo: Implications for Drug Delivery. PLoS ONE, 2012, 7, e33760.	2.5	41
60	Quantitative Analysis of Cancer Metastasis using an Avian Embryo Model. Journal of Visualized Experiments, 2011, , .	0.3	58
61	Nuclear localization of maspin is essential for its inhibition of tumor growth and metastasis. Laboratory Investigation, 2011, 91, 1181-1187.	3.7	53
62	Cowpea mosaic virus nanoparticles target surface vimentin on cancer cells. Nanomedicine, 2011, 6, 351-364.	3.3	107
63	Targeting tumor cell motility to prevent metastasis. Advanced Drug Delivery Reviews, 2011, 63, 568-581.	13.7	144
64	Intravital Imaging of Human Prostate Cancer Using Viral Nanoparticles Targeted to Gastrinâ€Releasing Peptide Receptors. Small, 2011, 7, 1664-1672.	10.0	100
65	Evaluation of Nanoparticle Uptake in Tumors in Real Time Using Intravital Imaging. Journal of Visualized Experiments, 2011, , .	0.3	32
66	Synthesis of bombesin-functionalized iron oxide nanoparticles and their specific uptake in prostate cancer cells. Journal of Nanoparticle Research, 2010, 12, 1599-1608.	1.9	53
67	A fast, reproducible and lowâ€cost method for sequence deconvolution of â€˜onâ€beadâ€™ peptides via â€˜onâ€targetâ€™ maldiâ€TOF/TOF mass spectrometry. Journal of Mass Spectrometry, 2010, 45, 241-251.	1.6	19
68	Intravital imaging of embryonic and tumor neovasculature using viral nanoparticles. Nature Protocols, 2010, 5, 1406-1417.	12.0	129
69	Hydrazone Ligation Strategy to Assemble Multifunctional Viral Nanoparticles for Cell Imaging and Tumor Targeting. Nano Letters, 2010, 10, 1093-1097.	9.1	144
70	The Inhibition of Tumor Cell Intravasation and Subsequent Metastasis via Regulation of In Vivo Tumor Cell Motility by the Tetraspanin CD151. Cancer Cell, 2008, 13, 221-234.	16.8	223
71	Viral nanoparticles as tools for intravital vascular imaging. Nature Medicine, 2006, 12, 354-360.	30.7	329