

Lewis Francis

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,112
citations

361296

20
h-index

434063

31
g-index

57
all docs

57
docs citations

57
times ranked

1921
citing authors

#	ARTICLE	IF	CITATIONS
1	Short-term calorie restriction enhances adult hippocampal neurogenesis and remote fear memory in a Ghnr-dependent manner. <i>Psychoneuroendocrinology</i> , 2016, 63, 198-207.	1.3	89
2	Atomic force microscopy comes of age. <i>Biology of the Cell</i> , 2010, 102, 133-143.	0.7	81
3	Chondroitin Sulfate Immobilized on a Biomimetic Scaffold Modulates Inflammation While Driving Chondrogenesis. <i>Stem Cells Translational Medicine</i> , 2016, 5, 670-682.	1.6	76
4	Tumor necrosis factor- α and interferon- β stimulate MUC16 (CA125) expression in breast, endometrial and ovarian cancers through NF- κ B. <i>Oncotarget</i> , 2016, 7, 14871-14884.	0.8	44
5	Polyaniline-graphene based α -amylase biosensor with a linear dynamic range in excess of 6 orders of magnitude. <i>Biosensors and Bioelectronics</i> , 2016, 85, 395-402.	5.3	41
6	Suppression of Mediator is regulated by Cdk8-dependent Grr1 turnover of the Med3 coactivator. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 2500-2505.	3.3	40
7	In vitro growth factor-induced bio engineering of mature articular cartilage. <i>Biomaterials</i> , 2013, 34, 1478-1487.	5.7	38
8	Transcriptional Activation by NF- κ B Increases Perlecan/HSPG2 Expression in the Desmoplastic Prostate Tumor Microenvironment. <i>Journal of Cellular Biochemistry</i> , 2014, 115, 1322-1333.	1.2	36
9	Delayed endometrial decidualisation in polycystic ovary syndrome; the role of AR-MAGEA11. <i>Journal of Molecular Medicine</i> , 2019, 97, 1315-1327.	1.7	35
10	High-resolution imaging using a novel atomic force microscope and confocal laser scanning microscope hybrid instrument: essential sample preparation aspects. <i>Histochemistry and Cell Biology</i> , 2008, 130, 909-916.	0.8	34
11	Characterization of pulp derived nanocellulose hydrogels using AVAP [®] technology. <i>Carbohydrate Polymers</i> , 2018, 198, 270-280.	5.1	34
12	Morphophysical dynamics of human endometrial cells during decidualization. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 2235-2245.	1.7	34
13	Optimized sample preparation for high-resolution AFM characterization of fixed human cells. <i>Journal of Microscopy</i> , 2010, 240, 111-121.	0.8	29
14	A Novel Alkaliphilic Streptomyces Inhibits ESKAPE Pathogens. <i>Frontiers in Microbiology</i> , 2018, 9, 2458.	1.5	29
15	HBO1 directs histone H4 specific acetylation, potentiating mechano-transduction pathways and membrane elasticity in ovarian cancer cells. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019, 17, 254-265.	1.7	27
16	Marine Collagen Substrates for 2D and 3D Ovarian Cancer Cell Systems. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 343.	2.0	27
17	Cu isotope ratios are meaningful in ovarian cancer diagnosis. <i>Journal of Trace Elements in Medicine and Biology</i> , 2020, 62, 126611.	1.5	26
18	Progesterone induces nano-scale molecular modifications on endometrial epithelial cell surfaces. <i>Biology of the Cell</i> , 2009, 101, 481-493.	0.7	24

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19	A novel bifunctional histone protein in <i>Streptomyces</i> : a candidate for structural coupling between DNA conformation and transcription during development and stress?. <i>Nucleic Acids Research</i> , 2013, 41, 4813-4824.	6.5	24
20	Selenium nanoparticles trigger alterations in ovarian cancer cell biomechanics. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020, 29, 102258.	1.7	22
21	Mechanical Studies of the Third Dimension in Cancer: From 2D to 3D Model. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10098.	1.8	22
22	Bone Morphogenetic Protein-9 Is a Potent Chondrogenic and Morphogenic Factor for Articular Cartilage Chondroprogenitors. <i>Stem Cells and Development</i> , 2020, 29, 882-894.	1.1	21
23	Sub-ppm level high energy resolution fluorescence detected X-ray absorption spectroscopy of selenium in articular cartilage. <i>Analyst</i> , The, 2019, 144, 3488-3493.	1.7	20
24	Platelet-rich plasma induces post-natal maturation of immature articular cartilage and correlates with LOXL1 activation. <i>Scientific Reports</i> , 2017, 7, 3699.	1.6	18
25	Differential regulation of osteopontin and CD44 correlates with infertility status in PCOS patients. <i>Journal of Molecular Medicine</i> , 2020, 98, 1713-1725.	1.7	18
26	Novel Silicon Titanium Diboride Micropatterned Substrates for Cellular Patterning. <i>Biomaterials</i> , 2020, 244, 119927.	5.7	18
27	Jellyfish Collagen: A Biocompatible Collagen Source for 3D Scaffold Fabrication and Enhanced Chondrogenicity. <i>Marine Drugs</i> , 2021, 19, 405.	2.2	17
28	Chromophores in operative surgery: Current practice and rationalized development. <i>Journal of Controlled Release</i> , 2017, 249, 123-130.	4.8	16
29	Ultrasensitive environmental assessment of xeno-estrogens in water samples using label-free graphene immunosensors. <i>Analytical Biochemistry</i> , 2018, 548, 102-108.	1.1	15
30	Antibody-drug conjugates and other nanomedicines: the frontier of gynaecological cancer treatment. <i>Interface Focus</i> , 2016, 6, 20160054.	1.5	13
31	Biomimetic Scaffolds Modulate the Posttraumatic Inflammatory Response in Articular Cartilage Contributing to Enhanced Neof ormation of Cartilaginous Tissue In Vivo. <i>Advanced Healthcare Materials</i> , 2022, 11, e2101127.	3.9	13
32	Direct monitoring of breast and endometrial cancer cell epigenetic response to DNA methyltransferase and histone deacetylase inhibitors. <i>Biosensors and Bioelectronics</i> , 2019, 141, 111386.	5.3	12
33	Interleukin-1 β enhances cartilage-to-cartilage integration. , 2011, 22, 190-201.		12
34	Organic matter identifies the nano-mechanical properties of native soil aggregates. <i>Nanoscale</i> , 2018, 10, 520-525.	2.8	11
35	High content, quantitative AFM analysis of the scalable biomechanical properties of extracellular vesicles. <i>Nanoscale</i> , 2021, 13, 6129-6141.	2.8	11
36	Improving the immunosuppressive potential of articular chondroprogenitors in a three-dimensional culture setting. <i>Scientific Reports</i> , 2020, 10, 16610.	1.6	10

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37	Highly glycosylated MUC1 mediates high affinity L-selectin binding at the human endometrial surface. <i>Journal of Nanobiotechnology</i> , 2021, 19, 50.	4.2	9
38	Liquid crystal delivery of ciprofloxacin to treat infections of the female reproductive tract. <i>Biomedical Microdevices</i> , 2019, 21, 36.	1.4	8
39	Non-invasive molecular assessment of human embryo development and implantation potential. <i>Biosensors and Bioelectronics</i> , 2020, 157, 112144.	5.3	8
40	Dinaciclib, a Bimodal Agent Effective against Endometrial Cancer. <i>Cancers</i> , 2021, 13, 1135.	1.7	8
41	Hyaluronic Acid-Functionalized Nanomicelles Enhance SAHA Efficacy in 3D Endometrial Cancer Models. <i>Cancers</i> , 2021, 13, 4032.	1.7	7
42	Measuring the impact on impedance spectroscopy of pseudo-reference electrode accumulations. <i>Electrochemistry Communications</i> , 2019, 105, 106508.	2.3	6
43	Functional Analysis of Non-Genetic Resistance to Platinum in Epithelial Ovarian Cancer Reveals a Role for the MBD3-NuRD Complex in Resistance Development. <i>Cancers</i> , 2021, 13, 3801.	1.7	6
44	Morphological and biomechanical characterization of immature and mature nasoseptal cartilage. <i>Scientific Reports</i> , 2019, 9, 12464.	1.6	5
45	Specific and highly efficient condensation of GC and IC DNA by polyaza pyridinophane derivatives. <i>International Journal of Biological Macromolecules</i> , 2018, 109, 143-151.	3.6	4
46	Improved Interpretation of Mercury Intrusion and Soil Water Retention Percolation Characteristics by Inverse Modelling and Void Cluster Analysis. <i>Transport in Porous Media</i> , 2018, 124, 631-653.	1.2	4
47	Studying Activated Fibroblast Phenotypes and Fibrosis-Linked Mechanosensing Using 3D Biomimetic Models. <i>Macromolecular Bioscience</i> , 2022, 22, e2100450.	2.1	4
48	Mechanomimetic 3D Scaffolds as a Humanized In Vitro Model for Ovarian Cancer. <i>Cells</i> , 2022, 11, 824.	1.8	4
49	Nanomicelles potentiate histone deacetylase inhibitor efficacy in vitro. <i>Cancer Nanotechnology</i> , 2020, 11, .	1.9	2
50	Data Driven Cell Cycle Model to Quantify the Efficacy of Cancer Therapeutics Targeting Specific Cell-Cycle Phases From Flow Cytometry Results. <i>Frontiers in Bioinformatics</i> , 2021, 1, .	1.0	0