

David I Leavesley

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2889909/publications.pdf>

Version: 2024-02-01

80
papers

5,089
citations

136950

32
h-index

91884

69
g-index

84
all docs

84
docs citations

84
times ranked

6258
citing authors

#	ARTICLE	IF	CITATIONS
1	Vascular and Collagen Target: A Rational Approach to Hypertrophic Scar Management. <i>Advances in Wound Care</i> , 2023, 12, 38-55.	5.1	14
2	Recent Advances in the Design of Three-Dimensional and Bioprinted Scaffolds for Full-Thickness Wound Healing. <i>Tissue Engineering - Part B: Reviews</i> , 2022, 28, 160-181.	4.8	19
3	Development of reconstructed intestinal micronucleus cytome (RICyt) assay in 3D human gut model for genotoxicity assessment of orally ingested substances. <i>Archives of Toxicology</i> , 2022, 96, 1455-1471.	4.2	3
4	Novel flexible membrane based SERS for biomarker detection in chronic wound healing. , 2021, , .		0
5	A flexible multiplexed immunosensor for point-of-care in situ wound monitoring. <i>Science Advances</i> , 2021, 7, .	10.3	106
6	Partial Epithelial-Mesenchymal Transition: Reduced miR-4792 and miR-146b Inversely Correlated with SIAH2 in Migrating Keratinocytes <i>in Vitro</i> . <i>Experimental Dermatology</i> , 2021, 30, 1838-1839.	2.9	0
7	Keratin-Alginate Sponges Support Healing of Partial-Thickness Burns. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8594.	4.1	10
8	Novel Cellulose Fibre-Based Flexible Plasmonic Membrane for Point-of-Care SERS Biomarker Detection in Chronic Wound Healing. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 5869-5878.	6.7	12
9	Investigating the Effects of Shikonin, Deoxyshikonin, and (1,2-Dimethylacryl)Shikonin on Melanoma Cell Lines. <i>Natural Product Communications</i> , 2020, 15, 1934578X2092232.	0.5	1
10	Arrays of Biocompatible and Mechanically Robust Microchambers Made of Protein-Polyphenol-Clay Multilayer Films. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 5653-5661.	5.2	4
11	Identification of <i>Malassezia furfur</i> Secreted Aspartyl Protease 1 (MfSAP1) and Its Role in Extracellular Matrix Degradation. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 148.	3.9	23
12	Deep Sequencing MicroRNAs from Extracellular Membrane Vesicles Revealed the Association of the Vesicle Cargo with Cellular Origin. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1141.	4.1	6
13	In Vitro Model of Human Cutaneous Hypertrophic Scarring using Macromolecular Crowding. <i>Journal of Visualized Experiments</i> , 2020, , .	0.3	5
14	Menstrual fluid factors facilitate tissue repair: identification and functional action in endometrial and skin repair. <i>FASEB Journal</i> , 2019, 33, 584-605.	0.5	22
15	Characteristics and roles of extracellular vesicles released by epidermal keratinocytes. <i>Journal of the European Academy of Dermatology and Venereology</i> , 2019, 33, 2264-2272.	2.4	25
16	Application of macromolecular crowding in vitro to investigate the naphthoquinones shikonin, naphthazarin and related analogues for the treatment of dermal scars. <i>Chemico-Biological Interactions</i> , 2019, 310, 108747.	4.0	18
17	Wound Healing and the Use of Medicinal Plants. <i>Evidence-based Complementary and Alternative Medicine</i> , 2019, 2019, 1-30.	1.2	188
18	Xanthine Oxidoreductase: A Novel Therapeutic Target for the Treatment of Chronic Wounds?. <i>Advances in Wound Care</i> , 2018, 7, 95-104.	5.1	19

#	ARTICLE	IF	CITATIONS
19	Differential Expression of Keratinocyte-Derived Extracellular Vesicle Mirnas Discriminate Exosomes From Apoptotic Bodies and Microvesicles. <i>Frontiers in Endocrinology</i> , 2018, 9, 535.	3.5	34
20	Investigating the potential of Oxymatrine as a psoriasis therapy. <i>Chemico-Biological Interactions</i> , 2017, 271, 59-66.	4.0	16
21	A fence barrier method of leading edge cell capture for explorative biochemical research. <i>Cell Adhesion and Migration</i> , 2017, 11, 496-503.	2.7	2
22	6.20 Skin Tissue Engineering \hat{t} . , 2017, , 334-382.		3
23	Association of Extracellular Membrane Vesicles with Cutaneous Wound Healing. <i>International Journal of Molecular Sciences</i> , 2017, 18, 956.	4.1	73
24	Down-Regulation of PER2 Increases Apoptosis of Gliomas after X-Ray Irradiation. <i>Chemotherapy</i> , 2017, 06, .	0.0	1
25	Antagonists of IGF:Vitronectin Interactions Inhibit IGF- \hat{t} Induced Breast Cancer Cell Functions. <i>Molecular Cancer Therapeutics</i> , 2016, 15, 1602-1613.	4.1	5
26	Shikonin reduces TGF- \hat{t} 1-induced collagen production and contraction in hypertrophic scar-derived human skin fibroblasts. <i>International Journal of Molecular Medicine</i> , 2015, 36, 985-991.	4.0	46
27	Functional and mechanistic investigation of Shikonin in scarring. <i>Chemico-Biological Interactions</i> , 2015, 228, 18-27.	4.0	16
28	Temporal Tracking of Mineralization and Transcriptional Events Associated with Shell Formation During the Early Life History of Pearl Oyster <i>Pinctada maxima</i> . <i>Current Biotechnology</i> , 2015, 4, 261-274.	0.4	1
29	Differential subcellular and extracellular localisations of proteins required for insulin-like growth factor- and extracellular matrix-induced signalling events in breast cancer progression. <i>BMC Cancer</i> , 2014, 14, 627.	2.6	7
30	Vitronectin \hat{t} Master controller or micromanager?. <i>IUBMB Life</i> , 2013, 65, 807-818.	3.4	76
31	Multiple types of data are required to identify the mechanisms influencing the spatial expansion of melanoma cell colonies. <i>BMC Systems Biology</i> , 2013, 7, 137.	3.0	53
32	Quantifying the roles of cell motility and cell proliferation in a circular barrier assay. <i>Journal of the Royal Society Interface</i> , 2013, 10, 20130007.	3.4	102
33	RE: $\langle i \rangle$ A Chimeric Vitronectin: IGF-1 Protein Supports Feeder-Cell-Free and Serum-Free Culture of Human Embryonic Stem Cells, $\langle i \rangle$ by Manton KJ, S Richards, D Van Lonkhuyzen, L Cormack, D Leavesley, and Z Upton. <i>Stem Cells Dev</i> 19:1298 \hat{t} 1305. <i>Stem Cells and Development</i> , 2013, 22, 687-687.	2.1	0
34	P01-14 IGF-I: Vitronectin interactions modulate changes in expression of genes which induce breast cancer cell survival and migration. <i>Growth Hormone and IGF Research</i> , 2012, 22, S36-S37.	1.1	0
35	Effects of Oxygen on Zonal Marker Expression in Human Articular Chondrocytes. <i>Tissue Engineering - Part A</i> , 2012, 18, 920-933.	3.1	41
36	A Fragment of the LG3 Peptide of Endorepellin Is Present in the Urine of Physically Active Mining Workers: A Potential Marker of Physical Activity. <i>PLoS ONE</i> , 2012, 7, e33714.	2.5	17

#	ARTICLE	IF	CITATIONS
37	Effects of oxygen and culture system on in vitro propagation and redifferentiation of osteoarthritic human articular chondrocytes. <i>Cell and Tissue Research</i> , 2012, 347, 649-663.	2.9	74
38	Human pilot studies reveal the potential of a vitronectin: growth factor complex as a treatment for chronic wounds. <i>International Wound Journal</i> , 2011, 8, 522-532.	2.9	31
39	Hyaluronic acid: Evaluation as a potential delivery vehicle for vitronectin: growth factor complexes in wound healing applications. <i>Journal of Controlled Release</i> , 2011, 153, 225-232.	9.9	60
40	Spatial analysis of biomineralization associated gene expression from the mantle organ of the pearl oyster <i>Pinctada maxima</i> . <i>BMC Genomics</i> , 2011, 12, 455.	2.8	76
41	Adult human articular chondrocytes in a microcarrier-based culture system: expansion and redifferentiation. <i>Journal of Orthopaedic Research</i> , 2011, 29, 539-546.	2.3	41
42	Insulin-Like Growth Factor-I: Vitronectin Complex-Induced Changes in Gene Expression Effect Breast Cell Survival and Migration. <i>Endocrinology</i> , 2011, 152, 1388-1401.	2.8	32
43	The effect of amphiphilic siloxane oligomers on fibroblast and keratinocyte proliferation and apoptosis. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 95A, 620-631.	4.0	6
44	Development of a Three-Dimensional Human Skin Equivalent Wound Model for Investigating Novel Wound Healing Therapies. <i>Tissue Engineering - Part C: Methods</i> , 2010, 16, 1111-1123.	2.1	89
45	OR8,47 IGF-I: Vitronectin interactions modulate breast cancer cell survival, migration and epithelial to mesenchymal transition. <i>Growth Hormone and IGF Research</i> , 2010, 20, S21.	1.1	0
46	Mechanistic investigations into interactions between IGF-I and IGF-BPs and their impact on facilitating cell migration on vitronectin. <i>Growth Factors</i> , 2010, 28, 359-369.	1.7	15
47	A Chimeric Vitronectin: IGF-I Protein Supports Feeder-Cell-Free and Serum-Free Culture of Human Embryonic Stem Cells. <i>Stem Cells and Development</i> , 2010, 19, 1297-1305.	2.1	18
48	Vitronectin Modulates Human Mesenchymal Stem Cell Response to Insulin-like Growth Factor-I and Transforming Growth Factor Beta 1 in a Serum-free Environment. <i>Tissue Engineering - Part A</i> , 2009, 15, 1415-1426.	3.1	6
49	Functional and phenotypic characterization of human keratinocytes expanded in microcarrier culture. <i>Journal of Biomedical Materials Research - Part A</i> , 2009, 88A, 184-194.	4.0	21
50	Multilineage Differentiation Potential of Bone and Cartilage Cells Derived from Explant Culture. <i>Open Stem Cell Journal</i> , 2009, 1, 10-19.	2.0	5
51	Vitronectin: Growth Factor Complexes Hold Potential as a Wound Therapy Approach. <i>Journal of Investigative Dermatology</i> , 2008, 128, 1535-1544.	0.7	80
52	Development of Defined Media for the Serum-Free Expansion of Primary Keratinocytes and Human Embryonic Stem Cells. <i>Tissue Engineering - Part C: Methods</i> , 2008, 14, 221-232.	2.1	16
53	Substrate-Bound Insulin-Like Growth Factor (IGF)-I-IGF Binding Protein-Vitronectin-Stimulated Breast Cell Migration Is Enhanced by Coactivation of the Phosphatidylinositol 3-Kinase/AKT Pathway by β -Integrins and the IGF-I Receptor. <i>Endocrinology</i> , 2008, 149, 1075-1090.	2.8	38
54	Chimeric vitronectin: insulin-like growth factor proteins enhance cell growth and migration through co-activation of receptors. <i>Growth Factors</i> , 2007, 25, 295-308.	1.7	30

#	ARTICLE	IF	CITATIONS
55	P203 Phenotypic characterization and redifferentiation of human articular chondrocytes expanded on microcarriers. <i>Osteoarthritis and Cartilage</i> , 2007, 15, B139.	1.3	0
56	P-21 IGF-I:IGFBP:VN COMPLEX ENHANCED CELL MIGRATION INVOLVES BOTH VN-BINDING INTEGRINS AND THE IGF-1R THROUGH ACTIVATION OF THE AKT/PI3-K SIGNALLING PATHWAY. <i>Growth Hormone and IGF Research</i> , 2006, 16, S30.	1.1	0
57	In vitro bioactivity of MOEP grafted ePTFE membranes for craniofacial applications. <i>Biomaterials</i> , 2005, 26, 5303-5312.	11.4	56
58	Potential pitfalls of radiolabel adsorption to ceramic biomaterials. <i>Journal of Biomedical Materials Research - Part A</i> , 2005, 72A, 363-372.	4.0	0
59	Timing of pulsed electromagnetic field stimulation does not affect the promotion of bone cell development. <i>Bioelectromagnetics</i> , 2005, 26, 670-676.	1.6	28
60	QUT Eyes Scarless Healing. <i>Asia Pacific Biotech News</i> , 2005, 09, 635-640.	0.0	0
61	Surface Modification by Complexes of Vitronectin and Growth Factors for Serum-Free Culture of Human Osteoblasts. <i>Tissue Engineering</i> , 2005, 11, 1688-1698.	4.6	32
62	Responses of keratinocytes to substrate-bound vitronectin:growth factor complexes. <i>Experimental Cell Research</i> , 2005, 305, 221-232.	2.6	37
63	Mediation of Biomaterial-Cell Interactions by Adsorbed Proteins: A Review. <i>Tissue Engineering</i> , 2005, 11, 1-18.	4.6	1,464
64	Travelling waves in a wound healing assay. <i>Applied Mathematics Letters</i> , 2004, 17, 575-580.	2.7	175
65	Traveling Wave Model to Interpret a Wound-Healing Cell Migration Assay for Human Peritoneal Mesothelial Cells. <i>Tissue Engineering</i> , 2004, 10, 475-482.	4.6	221
66	Cell Attachment and Proliferation on Hydroxyapatite and Ion Substituted Hydroxyapatites. <i>Key Engineering Materials</i> , 2003, 240-242, 671-674.	0.4	4
67	Insulin-Like Growth Factor-II Bound to Vitronectin Enhances MCF-7 Breast Cancer Cell Migration. <i>Endocrinology</i> , 2003, 144, 2417-2424.	2.8	31
68	Expression of Defensin Antimicrobial Peptides in the Peritoneal Cavity of Patients on Peritoneal Dialysis. <i>Peritoneal Dialysis International</i> , 2001, 21, 501-508.	2.3	13
69	HB-EGF is produced in the peritoneal cavity and enhances mesothelial cell adhesion and migration. <i>Kidney International</i> , 2001, 59, 614-624.	5.2	39
70	Epidermal growth factor modifies the expression and function of extracellular matrix adhesion receptors expressed by peritoneal mesothelial cells from patients on CAPD. <i>Nephrology Dialysis Transplantation</i> , 1999, 14, 1208-1216.	0.7	47
71	Microfibril-associated Glycoprotein-2 Specifically Interacts with a Range of Bovine and Human Cell Types via $\alpha 5 \beta 1$ Integrin. <i>Journal of Biological Chemistry</i> , 1999, 274, 13060-13065.	3.4	67
72	Specificity and Functional Effects of Antibodies to Human Stem Cell Factor. <i>Growth Factors</i> , 1997, 14, 67-79.	1.7	5

#	ARTICLE	IF	CITATIONS
73	A Novel Activating Anti- β 21 Integrin Monoclonal Antibody Binds to the Cysteine-rich Repeats in the β 21 Chain. <i>Journal of Biological Chemistry</i> , 1996, 271, 25099-25106.	3.4	38
74	Cytokines increase human hemopoietic cell adhesiveness by activation of very late antigen (VLA)-4 and VLA-5 integrins.. <i>Journal of Experimental Medicine</i> , 1995, 181, 1805-1815.	8.5	296
75	Potential Adhesion Mechanisms for Localisation of Haemopoietic Progenitors to Bone Marrow Stroma. <i>Leukemia and Lymphoma</i> , 1994, 12, 353-363.	1.3	92
76	Integrin beta 1- and beta 3-mediated endothelial cell migration is triggered through distinct signaling mechanisms.. <i>Journal of Cell Biology</i> , 1993, 121, 163-170.	5.2	373
77	Requirement of the integrin beta 3 subunit for carcinoma cell spreading or migration on vitronectin and fibrinogen. <i>Journal of Cell Biology</i> , 1992, 117, 1101-1107.	5.2	231
78	Molecular cloning and expression in <i>Escherichia coli</i> K-12 of the O antigens of the Inaba and Ogawa serotypes of the <i>Vibrio cholerae</i> O1 lipopolysaccharides and their potential for vaccine development. <i>Infection and Immunity</i> , 1986, 53, 272-277.	2.2	155
79	Purification of the 25-kDa <i>Vibrio cholerae</i> major outer-membrane protein and the molecular cloning of its gene: ompV. <i>FEBS Journal</i> , 1985, 148, 385-390.	0.2	39
80	Molecular cloning using immune sera of a 22-kDal minor outer membrane protein of <i>Vibrio cholerae</i> . <i>Gene</i> , 1985, 34, 95-103.	2.2	40