Zee Upton

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7147008/publications.pdf

Version: 2024-02-01

89 papers	4,394 citations	117453 34 h-index	114278 63 g-index
91 all docs	91 docs citations	91 times ranked	6081 citing authors

#	Article	IF	Citations
1	Vascular and Collagen Target: A Rational Approach to Hypertrophic Scar Management. Advances in Wound Care, 2023, 12, 38-55.	2.6	14
2	RPA facilitates rescue of keratinocytes from UVB radiation damage through insulin-like growth factor-I signalling. Journal of Cell Science, 2021, 134, .	1.2	2
3	Unravelling the insulin-like growth factor I-mediated photoprotection of the skin. Cytokine and Growth Factor Reviews, 2020, 52, 45-55.	3.2	0
4	Investigating the Effects of Shikonin, Deoxyshikonin, and (Î²,Î²-Dimethylacryl)Shikonin on Melanoma Cell Lines. Natural Product Communications, 2020, 15, 1934578X2092232.	0.2	1
5	Facilitators and barriers of using digital technology for the management of diabetic foot ulcers: A qualitative systematic review. International Wound Journal, 2020, 17, 1266-1281.	1.3	25
6	Clinical and economic burden of wound care in the tropics: a 5â€year institutional population health review. International Wound Journal, 2020, 17, 790-803.	1.3	56
7	Insulin-like growth factor-I rescue of primary keratinocytes from pre- and post-ultraviolet B radiation effects. Journal of Photochemistry and Photobiology B: Biology, 2020, 209, 111951.	1.7	2
8	Application of â€œmacromolecular crowdingâ€•in vitro to investigate the naphthoquinones shikonin, naphthazarin and related analogues for the treatment of dermal scars. Chemico-Biological Interactions, 2019, 310, 108747.	1.7	18
9	Wound Healing and the Use of Medicinal Plants. Evidence-based Complementary and Alternative Medicine, 2019, 2019, 1-30.	0.5	188
10	Prevalence of chronic wounds in the general population: systematic review and meta-analysis of observational studies. Annals of Epidemiology, 2019, 29, 8-15.	0.9	328
11	The humanistic and economic burden of chronic wounds: A systematic review. Wound Repair and Regeneration, 2019, 27, 114-125.	1.5	409
12	Targeting Insulin-Like Growth Factor-I and Extracellular Matrix Interactions in Melanoma Progression. Scientific Reports, 2018, 8, 583.	1.6	16
13	Xanthine Oxidoreductase: A Novel Therapeutic Target for the Treatment of Chronic Wounds?. Advances in Wound Care, 2018, 7, 95-104.	2.6	19
14	Anti-inflammatory effects of shikonin in human periodontal ligament cells. Pharmaceutical Biology, 2018, 56, 415-421.	1.3	21
15	Wound Care Innovation for the Tropicsâ€”An Industryâ€Facing Singaporean Initiative Focussed on Wounds and Wound Care in Asian Populations. International Wound Journal, 2018, 15, 183-184.	1.3	2
16	Antagonists of IGF:Vitronectin Interactions Inhibit IGF-Iâ€“Induced Breast Cancer Cell Functions. Molecular Cancer Therapeutics, 2016, 15, 1602-1613.	1.9	5
17	Insulinâ€like growth factorâ€I and <scp>UVB</scp> photoprotection in human keratinocytes. Experimental Dermatology, 2015, 24, 235-238.	1.4	17
18	Investigating the potential of Shikonin as a novel hypertrophic scar treatment. Journal of Biomedical Science, 2015, 22, 70.	2.6	22

#	Article	IF	Citations
19	A preâ€clinical functional assessment of an acellular scaffold intended for the treatment of hardâ€toâ€heal wounds. International Wound Journal, 2015, 12, 160-168.	1.3	7
20	Severe hypoxia and malnutrition collectively contribute to scar fibroblast inhibition and cell apoptosis. Wound Repair and Regeneration, 2015, 23, 664-671.	1.5	16
21	Shikonin reduces TGF-Î²1-induced collagen production and contraction in hypertrophic scar-derived human skin fibroblasts. International Journal of Molecular Medicine, 2015, 36, 985-991.	1.8	46
22	Provisional Matrix Deposition in Hemostasis and Venous Insufficiency: Tissue Preconditioning for Nonhealing Venous Ulcers. Advances in Wound Care, 2015, 4, 174-191.	2.6	6
23	Functional and mechanistic investigation of Shikonin in scarring. Chemico-Biological Interactions, 2015, 228, 18-27.	1.7	16
24	Evaluation of haemoglobin in blister fluid as an indicator of paediatric burn wound depth. Burns, 2015, 41, 1114-1121.	1.1	7
25	Urinary biomarkers of physical activity: candidates and clinical utility. Expert Review of Proteomics, 2014, 11, 91-106.	1.3	16
26	Effectiveness of an acellular synthetic matrix in the treatment of hardâ€toâ€heal leg ulcers. International Wound Journal, 2014, 11, 129-137.	1.3	9
27	Uric Acid and Xanthine Oxidoreductase in Wound Healing. Current Rheumatology Reports, 2014, 16, 396.	2.1	36
28	Characteristics of microbial drug resistance and its correlates in chronic diabetic foot ulcer infections. Journal of Medical Microbiology, 2014, 63, 1377-1385.	0.7	62
29	Characterization of a Human Skin Equivalent Model to Study the Effects of Ultraviolet B Radiation on Keratinocytes. Tissue Engineering - Part C: Methods, 2014, 20, 588-598.	1.1	47
30	Differential subcellular and extracellular localisations of proteins required for insulin-like growth factor- and extracellular matrix-induced signalling events in breast cancer progression. BMC Cancer, 2014, 14, 627.	1.1	7
31	In Vitro Investigations on the Effect of Dermal Fibroblasts on Keratinocyte Responses to Ultraviolet B Radiation. Photochemistry and Photobiology, 2014, 90, 1332-1339.	1.3	24
32	Organotypic culture of normal, dysplastic and squamous cell carcinomaâ€derived oral cell lines reveals loss of spatial regulation of CD44 and p75^{NTR} in malignancy. Journal of Oral Pathology and Medicine, 2013, 42, 37-46.	1.4	33
33	PEGylation of lysine residues reduces the pro-migratory activity of IGF-I. Biochimica Et Biophysica Acta - General Subjects, 2013, 1830, 4734-4742.	1.1	6
34	Transglutaminases and receptor tyrosine kinases. Amino Acids, 2013, 44, 19-24.	1.2	7
35	Vitronectinâ€”Master controller or micromanager?. IUBMB Life, 2013, 65, 807-818.	1.5	76
36	Lysine residues of IGF-I are substrates for transglutaminases and modulate downstream IGF-I signalling. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 3176-3185.	1.9	3

#	Article	IF	Citations
37	Dermal fibroblast infiltration of poly(Îµ-caprolactone) scaffolds fabricated by melt electrospinning in a direct writing mode. Biofabrication, 2013, 5, 025001.	3.7	172
38	Sensors and imaging for wound healing: A review. Biosensors and Bioelectronics, 2013, 41, 30-42.	5.3	352
39	MS-based metabolomics facilitates the discovery of in vivo functional small molecules with a diversity of biological contexts. Future Medicinal Chemistry, 2013, 5, 1953-1965.	1.1	8
40	3D mesenchymal stem/stromal cell osteogenesis and autocrine signalling. Biochemical and Biophysical Research Communications, 2012, 419, 142-147.	1.0	66
41	Effects of Oxygen on Zonal Marker Expression in Human Articular Chondrocytes. Tissue Engineering - Part A, 2012, 18, 920-933.	1.6	41
42	A Fragment of the LG3 Peptide of Endorepellin Is Present in the Urine of Physically Active Mining Workers: A Potential Marker of Physical Activity. PLoS ONE, 2012, 7, e33714.	1.1	17
43	An investigation into the effect of amphiphilic siloxane oligomers on dermal fibroblasts. Journal of Biomedical Materials Research - Part A, 2012, 100A, 1919-1927.	2.1	7
44	Effects of oxygen and culture system on in vitro propagation and redifferentiation of osteoarthritic human articular chondrocytes. Cell and Tissue Research, 2012, 347, 649-663.	1.5	74
45	Elevated uric acid correlates with wound severity. International Wound Journal, 2012, 9, 139-149.	1.3	83
46	Wound management innovation cooperative research centre â€“ a new model for interâ€disciplinary wound research. International Wound Journal, 2012, 9, 111-114.	1.3	3
47	A tan in a test tube â€“ in vitro models for investigating ultraviolet radiationâ€“induced damage in skin. Experimental Dermatology, 2012, 21, 404-410.	1.4	8
48	Human pilot studies reveal the potential of a vitronectin: growth factor complex as a treatment for chronic wounds. International Wound Journal, 2011, 8, 522-532.	1.3	31
49	Hyaluronic acid: Evaluation as a potential delivery vehicle for vitronectin:growth factor complexes in wound healing applications. Journal of Controlled Release, 2011, 153, 225-232.	4.8	60
50	Adult human articular chondrocytes in a microcarrierâ€based culture system: expansion and redifferentiation. Journal of Orthopaedic Research, 2011, 29, 539-546.	1.2	41
51	A peptidomimetic inhibitor of matrix metalloproteinases containing a tetherable linker group. Journal of Biomedical Materials Research - Part A, 2011, 96A, 663-672.	2.1	13
52	Insulin-Like Growth Factor-I:Vitronectin Complex-Induced Changes in Gene Expression Effect Breast Cell Survival and Migration. Endocrinology, 2011, 152, 1388-1401.	1.4	32
53	A Comparison of Methods for Classifying Clinical Samples Based on Proteomics Data: A Case Study for Statistical and Machine Learning Approaches. PLoS ONE, 2011, 6, e24973.	1.1	31
54	The effect of matrix characteristics on fibroblast proliferation in 3D gels. Biomaterials, 2010, 31, 8454-8464.	5.7	271

#	Article	IF	Citations
55	The effect of amphiphilic siloxane oligomers on fibroblast and keratinocyte proliferation and apoptosis. Journal of Biomedical Materials Research - Part A, 2010, 95A, 620-631.	2.1	6
56	Proteomics in chronic wound research: Potentials in healing and health. Proteomics - Clinical Applications, 2010, 4, 204-214.	0.8	38
57	Serum-Free Primary Human Fibroblast and Keratinocyte Coculture. Tissue Engineering - Part A, 2010, 16, 1407-1420.	1.6	29
58	Recent advances in dermal wound healing: biomedical device approaches. Expert Review of Medical Devices, 2010, 7, 143-154.	1.4	70
59	Development of a Three-Dimensional Human Skin Equivalent Wound Model for Investigating Novel Wound Healing Therapies. Tissue Engineering - Part C: Methods, 2010, 16, 1111-1123.	1.1	89
60	Migration of breast cancer cells: Understanding the roles of volume exclusion and cell-to-cell adhesion. Physical Review E, 2010, 82, 041901.	0.8	51
61	Mechanistic investigations into interactions between IGF-I and IGFBPs and their impact on facilitating cell migration on vitronectin. Growth Factors, 2010, 28, 359-369.	0.5	15
62	A Chimeric Vitronectin: IGF-I Protein Supports Feeder-Cell-Free and Serum-Free Culture of Human Embryonic Stem Cells. Stem Cells and Development, 2010, 19, 1297-1305.	1.1	18
63	Vitronectin Modulates Human Mesenchymal Stem Cell Response to Insulin-like Growth Factor-I and Transforming Growth Factor Beta 1 in a Serum-free Environment. Tissue Engineering - Part A, 2009, 15, 1415-1426.	1.6	6
64	Review: Finding the Culprit: A Review of the Influences of Proteases on the Chronic Wound Environment. International Journal of Lower Extremity Wounds, 2009, 8, 19-27.	0.6	35
65	Functional and phenotypic characterization of human keratinocytes expanded in microcarrier culture. Journal of Biomedical Materials Research - Part A, 2009, 88A, 184-194.	2.1	21
66	Attenuation of protease activity in chronic wound fluid with bisphosphonate-functionalised hydrogels. Biomaterials, 2008, 29, 1785-1795.	5.7	45
67	Vitronectin: Growth Factor Complexes Hold Potential as a Wound Therapy Approach. Journal of Investigative Dermatology, 2008, 128, 1535-1544.	0.3	80
68	Development of Defined Media for the Serum-Free Expansion of Primary Keratinocytes and Human Embryonic Stem Cells. Tissue Engineering - Part C: Methods, 2008, 14, 221-232.	1.1	16
69	Substrate-Bound Insulin-Like Growth Factor (IGF)-I-IGF Binding Protein-Vitronectin-Stimulated Breast Cell Migration Is Enhanced by Coactivation of the Phosphatidylinositide 3-Kinase/AKT Pathway by Î±v-Integrins and the IGF-I Receptor. Endocrinology, 2008, 149, 1075-1090.	1.4	38
70	Chimeric vitronectin:insulin-like growth factor proteins enhance cell growth and migration through co-activation of receptors. Growth Factors, 2007, 25, 295-308.	0.5	30
71	The Roles of Hypoxia in the In Vitro Engineering of Tissues. Tissue Engineering, 2007, 13, 2153-2162.	4.9	242
72	Hyperbaric oxygen stimulates epidermal reconstruction in human skin equivalents. Wound Repair and Regeneration, 2007, 15, 266-274.	1.5	39

#	Article	IF	Citations
73	Mathematical Modelling of Aerosolised Skin Grafts Incorporating Keratinocyte Clonal Subtypes. Bulletin of Mathematical Biology, 2007, 69, 157-179.	0.9	17
74	Vitronectin supports migratory responses of corneal epithelial cells to substrate bound IGF-I and HGF, and facilitates serum-free cultivation. Experimental Eye Research, 2006, 83, 1505-1514.	1.2	18
75	Preparation of Cultured Skin for Transplantation Using Insulin-like Growth Factor I in Conjunction with Insulin-like Growth Factor Binding Protein 5, Epidermal Growth Factor, and Vitronectin. Transplantation, 2006, 81, 1668-1676.	0.5	34
76	Optimized delivery of skin keratinocytes by aerosolization and suspension in fibrin tissue adhesive. Wound Repair and Regeneration, 2006, 14, 354-363.	1.5	31
77	Potential pitfalls of radiolabel adsorption to ceramic biomaterials. Journal of Biomedical Materials Research - Part A, 2005, 72A, 363-372.	2.1	0
78	Surface Modification by Complexes of Vitronectin and Growth Factors for Serum-Free Culture of Human Osteoblasts. Tissue Engineering, 2005, 11, 1688-1698.	4.9	32
79	Responses of keratinocytes to substrate-bound vitronectin:growth factor complexes. Experimental Cell Research, 2005, 305, 221-232.	1.2	37
80	Insulin-like Growth Factors (IGF) and IGF-Binding Proteins Bound to Vitronectin Enhance Keratinocyte Protein Synthesis and Migration. Journal of Investigative Dermatology, 2004, 122, 1198-1206.	0.3	59
81	Development and validation of a radioimmunoassay for fish insulin-like growth factor I (IGF-I) and the effect of aquaculture related stressors on circulating IGF-I levels. General and Comparative Endocrinology, 2004, 135, 268-275.	0.8	48
82	Structural and Functional Evidence for the Interaction of Insulin-Like Growth Factors (IGFs) and IGF Binding Proteins with Vitronectin. Endocrinology, 2003, 144, 2807-2815.	1.4	80
83	Insulin-Like Growth Factor-II Bound to Vitronectin Enhances MCF-7 Breast Cancer Cell Migration. Endocrinology, 2003, 144, 2417-2424.	1.4	31
84	IGFs stimulate zebrafish cell proliferation by activating MAP kinase and PI3-kinase-signaling pathways. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2001, 280, R1230-R1239.	0.9	106
85	Identification of Vitronectin as a Novel Insulin-Like Growth Factor-II Binding Protein. Endocrinology, 1999, 140, 2928-2931.	1.4	40
86	The Kangaroo Cation-independent Mannose 6-Phosphate Receptor Binds Insulin-like Growth Factor II with Low Affinity. Journal of Biological Chemistry, 1999, 274, 27076-27082.	1.6	28
87	In vitro characterization and in vivo clearance of recombinant barramundi (Lates calcarifer) IGF-I. Aquaculture, 1999, 177, 153-160.	1.7	8
88	Evolution of insulin-like growth factor-I (IGF-I) action: in vitro characterization of vertebrate IGF-I proteins. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 1998, 121, 35-41.	0.7	37
89	Evolution of Insulin-like Growth Factor (IGF) Function: Production and Characterization of Recombinant Hagfish IGF. General and Comparative Endocrinology, 1997, 105, 79-90.	0.8	25