Barbora DvoÅÃinkovÃ;

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	The Miniature Pig as an Animal Model in Biomedical Research. Annals of the New York Academy of Sciences, 2005, 1049, 161-171.	3.8	331
2	Melanoma cells influence the differentiation pattern of human epidermal keratinocytes. Molecular Cancer, 2015, 14, 1.	19.2	178
3	Ageing as an Important Risk Factor for Cancer. Anticancer Research, 2016, 36, 5009-5018.	1.1	95
4	New aspects of galectin functionality in nuclei of cultured bone marrow stromal and epidermal cells: biotinylated galectins as tool to detect specific binding sites. Biology of the Cell, 2003, 95, 535-545.	2.0	74
5	Simultaneous blocking of IL-6 and IL-8 is sufficient to fully inhibit CAF-induced human melanoma cell invasiveness. Histochemistry and Cell Biology, 2016, 146, 205-217.	1.7	74
6	Upregulation of ILâ€6, ILâ€8 and CXCLâ€1 production in dermal fibroblasts by normal/malignant epithelial cells <i>in vitro</i> : Immunohistochemical and transcriptomic analyses. Biology of the Cell, 2012, 104, 738-751.	2.0	71
7	InÂvitro fibroblast response to ultra fine grained titanium produced by a severe plastic deformation process. Journal of Materials Science: Materials in Medicine, 2008, 19, 553-557.	3.6	62
8	Biocompatibility and sp3/sp2 ratio of laser created DLC films. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2010, 169, 89-93.	3.5	62
9	Human Galectins Induce Conversion of Dermal Fibroblasts into Myofibroblasts and Production of Extracellular Matrix: Potential Application in Tissue Engineering and Wound Repair. Cells Tissues Organs, 2011, 194, 469-480.	2.3	58
10	Effect of cancer-associated fibroblasts on the migration of glioma cells in vitro. Tumor Biology, 2015, 36, 5873-5879.	1.8	57
11	Cancer Microenvironment: What Can We Learn from the Stem Cell Niche. International Journal of Molecular Sciences, 2015, 16, 24094-24110.	4.1	54
12	Cell adhesion on polytetrafluoroethylene modified by UV-irradiation in an ammonia atmosphere. Journal of Biomedical Materials Research - Part A, 2003, 67A, 130-137.	4.0	52
13	Nuclear presence of adhesion-/growth-regulatory galectins in normal/malignant cells of squamous epithelial origin. Histochemistry and Cell Biology, 2006, 125, 171-182.	1.7	49
14	Bio-compatibility of ion beam-modified and RGD-grafted polyethylene. Nuclear Instruments & Methods in Physics Research B, 2004, 225, 275-282.	1.4	47
15	Stromal fibroblasts from basal cell carcinoma affect phenotype of normal keratinocytes. British Journal of Dermatology, 2007, 156, 819-829.	1.5	45
16	Interleukin-6: Molecule in the Intersection of Cancer, Ageing and COVID-19. International Journal of Molecular Sciences, 2020, 21, 7937.	4.1	45
17	Head and neck squamous cancer stromal fibroblasts produce growth factors influencing phenotype of normal human keratinocytes. Histochemistry and Cell Biology, 2010, 133, 201-211.	1.7	43
18	Defining the glycophenotype of squamous epithelia using plant and mammalian lectins. Differentiationâ€dependent expression of α2,6―and α2,3â€linked Nâ€acetylneuraminic acid in squamous epith and carcinomas, and its differential effect on binding of the endogenous lectins galectinsâ€1 and â€3. Apmis, 2002, 110, 845-856.	ielia 2.0	38

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19	Cultivation and grafting of human keratinocytes on a poly(hydroxyethyl methacrylate) support to the wound bed: a clinical study. Biomaterials, 1998, 19, 141-146.	11.4	37
20	Biocompatibility of HEMA Copolymers Designed for Treatment of CNS Diseases with Polymer-Encapsulated Cells. Biotechnology Progress, 2000, 16, 897-904.	2.6	36
21	Cell proliferation on UV-excimer lamp modified and grafted polytetrafluoroethylene. Nuclear Instruments & Methods in Physics Research B, 2004, 217, 307-313.	1.4	35
22	Functional differences between neonatal and adult fibroblasts and keratinocytes: Donor age affects epithelial-mesenchymal crosstalk in vitro. International Journal of Molecular Medicine, 2016, 38, 1063-1074.	4.0	35
23	Skin aging: the dermal perspective. Clinics in Dermatology, 2019, 37, 326-335.	1.6	33
24	Molecular Changes Underlying Hypertrophic Scarring Following Burns Involve Specific Deregulations at All Wound Healing Stages (Inflammation, Proliferation and Maturation). International Journal of Molecular Sciences, 2021, 22, 897.	4.1	32
25	Silicone rubber-hydrogel composites as polymeric biomaterials IX. Composites containing powdery polyacrylamide hydrogel. Biomaterials, 1997, 18, 1069-1073.	11.4	31
26	Effect of <i>Atropa belladonna</i> L. on skin wound healing: Biomechanical and histological study in rats and in vitro study in keratinocytes, 3T3 fibroblasts, and human umbilical vein endothelial cells. Wound Repair and Regeneration, 2009, 17, 378-386.	3.0	31
27	Porcine epidermal stem cells as a biomedical model for wound healing and normal/malignant epithelial cell propagation. Theriogenology, 2007, 67, 105-111.	2.1	30
28	Marker profiling of normal keratinocytes identifies the stroma from squamous cell carcinoma of the oral cavity as a modulatory microenvironment in co-culture. International Journal of Radiation Biology, 2007, 83, 837-848.	1.8	29
29	Differentiation-Dependent Glycosylation of Cells in Squamous Cell Epithelia Detected by a Mammalian Lectin. Cells Tissues Organs, 2002, 171, 135-144.	2.3	28
30	Coexpression of binding sites for A(B) histo-blood group trisaccharides with galectin-3 and Lag antigen in human Langerhans cells. Journal of Leukocyte Biology, 1999, 66, 644-649.	3.3	27
31	ERâ€Î± agonist induces conversion of fibroblasts into myofibroblasts, while ERâ€Î² agonist increases ECM production and wound tensile strength of healing skin wounds in ovariectomised rats. Experimental Dermatology, 2011, 20, 703-708.	2.9	27
32	Fibroblasts potentiate melanoma cells in vitro invasiveness induced by UV-irradiated keratinocytes. Histochemistry and Cell Biology, 2018, 149, 503-516.	1.7	27
33	Diamond/graphite content and biocompatibility of DLC films fabricated by PLD. Applied Physics A: Materials Science and Processing, 2010, 101, 579-583.	2.3	26
34	Study of optical properties and biocompatibility of DLC films characterized by sp3 bonds. Applied Physics A: Materials Science and Processing, 2013, 112, 143-148.	2.3	26
35	Mouse 3T3 fibroblasts under the influence of fibroblasts isolated from stroma of human basal cell carcinoma acquire properties of multipotent stem cells. Biology of the Cell, 2011, 103, 233-248.	2.0	23
36	Intercellular crosstalk in human malignant melanoma. Protoplasma, 2017, 254, 1143-1150.	2.1	23

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37	Evolution of Cancer Progression in the Context of Darwinism. Anticancer Research, 2019, 39, 1-16.	1.1	23
38	Reconstruction of epidermis by grafting of keratinocytes cultured on polymer support - clinical study. International Journal of Dermatology, 2003, 42, 219-223.	1.0	22
39	Fibroblasts prepared from different types of malignant tumors stimulate expression of luminal marker keratin 8 in the EM-G3 breast cancer cell line. Histochemistry and Cell Biology, 2012, 137, 679-685.	1.7	22
40	Cell adhesion on modified polyethylene. Journal of Materials Science, 2002, 37, 1183-1188.	3.7	21
41	Microenvironment‑driven resistance to B‑Raf inhibition in a melanoma patient is accompanied by broad changes of gene methylation and expression in distal fibroblasts. International Journal of Molecular Medicine, 2018, 41, 2687-2703.	4.0	21
42	Comparative phenotypic characterization of keratinocytes originating from hair follicles. Journal of Molecular Histology, 2005, 36, 89-96.	2.2	20
43	Phosphorylated Human Lectin Galectinâ€3: Analysis of Ligand Binding by Histochemical Monitoring of Normal/Malignant Squamous Epithelia and by Isothermal Titration Calorimetry. Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia, 2009, 38, 68-75.	0.7	20
44	A frame-supported ultrathin electrospun polymer membrane for transplantation of retinal pigment epithelial cells. Biomedical Materials (Bristol), 2015, 10, 045022.	3.3	20
45	Single-Cell RNA Sequencing Unravels Heterogeneity of the Stromal Niche in Cutaneous Melanoma Heterogeneous Spheroids. Cancers, 2020, 12, 3324.	3.7	19
46	Expression of galectin-3-reactive ligands in squamous cancer and normal epithelial cells as a marker of differentiation. International Journal of Oncology, 2001, 19, 59.	3.3	17
47	Mannosides as crucial part of bioactive supports for cultivation of human epidermal keratinocytes without feeder cells. Biomaterials, 2003, 24, 863-872.	11.4	17
48	Fibroblasts adhesion on ion beam modified polyethylene. Nuclear Instruments & Methods in Physics Research B, 2004, 215, 366-372.	1.4	17
49	Analysis of dermal fibroblasts isolated from neonatal and child cleft lip and adult skin: Developmental implications on reconstructive surgery. International Journal of Molecular Medicine, 2017, 40, 1323-1334.	4.0	17
50	Exosomes produced by melanoma cells significantly influence the biological properties of normal and cancer-associated fibroblasts. Histochemistry and Cell Biology, 2022, 157, 153-172.	1.7	17
51	Transient expression of keratin 19 is induced in originally negative interfollicular epidermal cells by adhesion of suspended cells. International Journal of Molecular Medicine, 2005, 16, 525-31.	4.0	17
52	Adhesion and proliferation of keratinocytes on ion beam modified polyethylene. Journal of Materials Science: Materials in Medicine, 2000, 11, 655-660.	3.6	16
53	Epithelial-stromal interaction in squamous cell epithelium-derived tumors: an important new player in the control of tumor biological properties. Anticancer Research, 2010, 30, 455-62.	1.1	16
54	Amphiphilic conetworks. II. Novel two-step synthesis of poly[2-(dimethylamino)ethyl methacrylate]–polyisobutylene, poly(N-isopropylacrylamide)–polyisobutylene, and poly(N,N-dimethylacrylamide)–polyisobutylene hydrogels. Journal of Polymer Science Part A, 2006, 44, 6378-6384.	2.3	15

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55	Ecology of melanoma cell. Histology and Histopathology, 2018, 33, 247-254.	0.7	15
56	Emerging role of tissue lectins as microenvironmental effectors in tumors and wounds. Histology and Histopathology, 2015, 30, 293-309.	0.7	15
57	Decrease of Nuclear Reactivity to Growth-regulatory Galectin-1 in Senescent Human Keratinocytes and Detection of Non-uniform Staining Profile Alterations upon Prolonged Culture for Galectin-1 and -3. Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia, 2004, 33, 348-354.	0.7	14
58	Immunocyto- and histochemical profiling of nucleostemin expression: Marker of epidermal stem cells?. Journal of Dermatological Science, 2006, 44, 73-80.	1.9	14
59	Estrogen Receptor Modulators in Viral Infections Such as SARSâ^'CoVâ^'2: Therapeutic Consequences. International Journal of Molecular Sciences, 2021, 22, 6551.	4.1	14
60	Cutaneous melanoma dissemination is dependent on the malignant cell properties and factors of intercellular crosstalk in the cancer microenvironment (Review). International Journal of Oncology, 2020, 57, 619-630.	3.3	14
61	Cancer-associated fibroblasts are not formed from cancer cells by epithelial-to-mesenchymal transition in nu/nu mice. Histochemistry and Cell Biology, 2015, 143, 463-469.	1.7	13
62	Serum proteomic analysis of melanoma patients with immunohistochemical profiling of primary melanomas and cultured cells: Pilot study. Oncology Reports, 2019, 42, 1793-1804.	2.6	13
63	IL-6 in the Ecosystem of Head and Neck Cancer: Possible Therapeutic Perspectives. International Journal of Molecular Sciences, 2021, 22, 11027.	4.1	13
64	Rapid SERS-based recognition of cell secretome on the folic acid-functionalized gold gratings. Analytical and Bioanalytical Chemistry, 2019, 411, 3309-3319.	3.7	12
65	Atropa Belladonna L. Water Extract: Modulator of Extracellular Matrix Formation in Vitro and in Vivo. Physiological Research, 2012, 61, 241-250.	0.9	12
66	Analysis of binding of mannosides in relation to Langerin (CD207) in Langerhans cells of normal and transformed epithelia. The Histochemical Journal, 2002, 34, 247-253.	0.6	11
67	Cultivation of human keratinocytes without feeder cells on polymer carriers containing ethoxyethyl methacrylate: inÂvitro study. Journal of Materials Science: Materials in Medicine, 2008, 19, 883-888.	3.6	11
68	Cultivation-dependent plasticity of melanoma phenotype. Tumor Biology, 2013, 34, 3345-3355.	1.8	11
69	Human galectin-2: nuclear presence in vitro and its modulation by quiescence/stress factors. Histology and Histopathology, 2008, 23, 167-78.	0.7	11
70	One-pot synthesis of isocyanate and methacrylate multifunctionalized polyisobutylene and polyisobutylene-based amphiphilic networks. Journal of Polymer Science Part A, 2006, 44, 2891-2900.	2.3	10
71	Structural, chemical and biological properties of carbon layers sputtered on polyethyleneterephtalate. Journal of Materials Science: Materials in Medicine, 2006, 17, 229-234.	3.6	10
72	Synthetic Polyamine BPA 8 Inhibits TGFâ€Î²1â€Mediated Conversion of Human Dermal Fibroblast to Myofibroblasts and Establishment of Galectinâ€1â€Rich Extracellular Matrix in Vitro. ChemBioChem, 2014, 15, 1465-1470.	2.6	10

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73	Revelation of fibroblast protein commonalities and differences and their possible roles in wound healing and tumourigenesis using coâ€culture models of cells. Biology of the Cell, 2014, 106, 203-218.	2.0	10
74	Hydrogels for encapsulation of mammalian cells. Macromolecular Symposia, 2001, 172, 157-165.	0.7	9
75	<i>>Dolichos biflorus</i> agglutininâ€binding site expression in basal keratinocytes is associated with cell differentiation. Biology of the Cell, 2002, 94, 365-373.	2.0	9
76	Biological properties of copolymer of 2-hydroxyethyl methacrylate with sulfopropyl methacrylate. Journal of Materials Science: Materials in Medicine, 2001, 12, 639-646.	3.6	8
77	Biological properties of titanium implants covered with hydroxyapatite and zirconia layers by pulsed laser:In vitrostudy. Journal of Applied Physics, 2006, 99, 014905.	2.5	7
78	Phenotypic characterization of human keratinocytes in coculture reveals differential effects of fibroblasts from benign fibrous histiocytoma (dermatofibroma) as compared to cells from its malignant form and to normal fibroblasts. Journal of Dermatological Science, 2009, 55, 18-26.	1.9	5
79	Human hair follicle and interfollicular keratinocyte reactivity to mouse HPV16-transformed cells: an in vitro study. Oncology Reports, 2008, 20, 75-80.	2.6	5
80	Phenotypic characterization of keratinocytes migrated from polymer support - in vitro study. Journal of Materials Science: Materials in Medicine, 1997, 8, 587-590.	3.6	4
81	Postmitotic basal cells in squamous cell epithelia are identified with <i>Dolichos biflorus</i> agglutinin – functional consequences ^{Note} . Apmis, 2001, 109, 714-720.	2.0	4
82	Amphiphilic conetworks. III. Poly(2,3â€dihydroxypropyl methacrylate)–polyisobutylene and poly(ethylene) Tj Journal of Polymer Science Part A, 2007, 45, 4074-4081.	ETQq0 0 0 2.3	rgBT /Overloc 4
83	Human hair follicle and interfollicular keratinocyte reactivity to mouse HPV16-transformed cells: An in vitro study. Oncology Reports, 0, , .	2.6	4
84	Fibroblasts isolated from the malignant melanoma influence phenotype of normal human keratinocytes. Journal of Applied Biomedicine, 2015, 13, 195-198.	1.7	4
85	Extracellular matrix of galectin-1-exposed dermal and tumor-associated fibroblasts favors growth of human umbilical vein endothelial cells in vitro: a short report. Anticancer Research, 2014, 34, 3991-6.	1.1	4
86	Biological and physical properties of pulsed-Laser-deposited zirconia/hydroxyapatite on titanium: In vitro study. Laser Physics, 2007, 17, 45-49.	1.2	3
87	Melanoma xenotransplant on the chicken chorioallantoic membrane: a complex biological model for the study of cancer cell behaviour. Histochemistry and Cell Biology, 2020, 154, 177-188.	1.7	3
88	<i>Agrimonia eupatoria</i> L. Aqueous Extract Improves Skin Wound Healing: An <i>In Vitro</i> Study in Fibroblasts and Keratinocytes and <i>In Vivo</i> Study in Rats. In Vivo, 2022, 36, 1236-1244.	1.3	3
89	Detection of cell type and marker specificity of nuclear binding sites for anionic carbohydrate ligands. Biotechnic and Histochemistry, 2004, 79, 139-150.	1.3	2
90	Plasma modification of HEMA and EOEMA surface properties. Radiation Effects and Defects in Solids, 2006, 161, 15-19.	1.2	2

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91	Surface Modification of Hydrogels and Cell Adhesion. Materials Science Forum, 2008, 567-568, 265-268.	0.3	2
92	Fibroblasts as Drivers of Healing and Cancer Progression:From In vitro Experiments to Clinics. , 2016, , 121-138.		1
93	Surface Structure and Cells Adhesion on Doped Polyethylene. Materials Science Forum, 2008, 567-568, 253-256.	0.3	0
94	Influence of tumor stroma on normal keratinocyte marker profile. FASEB Journal, 2008, 22, 978.2.	0.5	0
95	Influence of crystallinity on bio- physical properties of hydroxyapatite films. IFMBE Proceedings, 2009, , 2179-2181.	0.3	0
96	Abstract B59: Epithelial-mesenchymal interaction in cancer as potential target for anticancer therapy. , 2013, , .		0
97	Abstract B26: Melanoma cells induce stem cells like fenotype of normal human keratinocytes. , 2013, , .		0
98	The conformational changes of haemoglobin on its binding to haptoglobin. Collection of Czechoslovak Chemical Communications, 1981, 46, 1288-1295.	1.0	0
99	Epithelialâ€mesenchymal cross talk in cancer behavior (1047.1). FASEB Journal, 2014, 28, 1047.1.	0.5	0