Pavel Vesely

List of Publications by Year
in descending order

53 papers	1,386 citations	535685 17 h-index	371746 37 g-index
54 all docs	54 docs citations	54 times ranked	2386 citing authors

#	Article	IF	Citations
1	In-vitro screening with holographic incoherent quantitative phase imaging focuses on finding medicaments for repurposing as anti-metastatic agents designated as migrastatics. , 2021, , .		0
2	Automated interpretation of time-lapse quantitative phase image by machine learning to study cellular dynamics during epithelialâ€"mesenchymal transition. Journal of Biomedical Optics, 2020, 25, .	1.4	4
3	Quantitative phase imaging unravels new insight into dynamics of mesenchymal and amoeboid cancer cell invasion. Scientific Reports, 2018, 8, 12020.	1.6	43
4	Local application of adipose-derived mesenchymal stem cells supports the healing of fistula: prospective randomised study on rat model of fistulising Crohnâ€™s disease. Scandinavian Journal of Gastroenterology, 2017, 52, 543-550.	0.6	11
5	Migrastaticsâ€"Anti-metastatic and Anti-invasion Drugs: Promises and Challenges. Trends in Cancer, 2017, 3, 391-406.	3.8	262
6	Automated classification of cell morphology by coherence-controlled holographic microscopy. Journal of Biomedical Optics, 2017, 22, 1.	1.4	21
7	Distinctive behaviour of live biopsy-derived carcinoma cells unveiled using coherence-controlled holographic microscopy. PLoS ONE, 2017, 12, e0183399.	1.1	9
8	Coherence-controlled holographic microscopy for live-cell quantitative phase imaging in turbid media. , 2016, , .		0
9	Holographic microscopy in low coherence. , 2016, , .		0
10	The adhesion of normal human dermal fibroblasts to the cyclopropylamine plasma polymers studied by holographic microscopy. Surface and Coatings Technology, 2016, 295, 70-77.	2.2	31
11	Chk1 inhibition significantly potentiates activity of nucleoside analogs in TP53-mutated B-lymphoid cells. Oncotarget, 2016, 7, 62091-62106.	0.8	19
12	Dynamic phase differences based on quantitative phase imaging for the objective evaluation of cell behavior. Journal of Biomedical Optics, 2015, 20, 111214.	1.4	7
13	Quantitative phase imaging through scattering media by means of coherence-controlled holographic microscope. Journal of Biomedical Optics, 2015, 20, 111206.	1.4	16
14	Coherence-controlled holographic microscopy enabled recognition of necrosis as the mechanism of cancer cells death after exposure to cytopathic turbid emulsion. Journal of Biomedical Optics, 2015, 20, 111213.	1.4	16
15	Coherence-controlled holographic microscopy for live-cell quantitative phase imaging. , 2015, , .		2
16	Quantitative phase imaging through scattering media. , 2015, , .		0
17	Rabbit antithymocyte globulinâ€"induced serum sickness disease and human kidney graft survival. Journal of Clinical Investigation, 2015, 125, 4655-4665.	3.9	47
18	Mesenchymal Stem Cells Seeded on Crossâ€Linked and Noncrossâ€Linked Acellular Porcine Dermal Scaffolds for Longâ€Term Fullâ€Thickness Hernia Repair in a Small Animal Model. Artificial Organs, 2014, 38, 572-579.	1.0	18

#	Article	IF	Citations
19	Antibiotic susceptibility and resistance of Staphylococcus aureus isolated from fresh porcine skin xenografts: Risk to recipients with thermal injury. Burns, 2014, 40, 288-294.	1.1	4
20	Comparison of Cross-linked and Non-Cross-linked Acellular Porcine Dermal Scaffolds for Long-term Full-Thickness Hernia Repair in a Small Animal Model. Eplasty, 2014, 14, e22.	0.4	7
21	Role of DNA Methylation in Expression and Transmission of Porcine Endogenous Retroviruses. Journal of Virology, 2013, 87, 12110-12120.	1.5	11
22	Long-Term IgG Response to Porcine Neu5Gc Antigens without Transmission of PERV in Burn Patients Treated with Porcine Skin Xenografts. Journal of Immunology, 2013, 191, 2907-2915.	0.4	114
23	Drugs for solid cancer the productivity crisis prompts a rethink. OncoTargets and Therapy, 2013, 6, 767.	1.0	9
24	System for coherence-controlled holographic microscopy of living cells. Proceedings of SPIE, 2012, , .	0.8	1
25	Local Treatment of Hand-Foot Syndrome with Uridine/Thymidine:In VitroAppraisal on a Human Keratinocyte Cell Line HaCaT. Scientific World Journal, The, 2012, 2012, 1-6.	0.8	2
26	The structure of invadopodia in a complex 3D environment. European Journal of Cell Biology, 2010, 89, 674-680.	1.6	71
27	The role of the tissue microenvironment in the regulation of cancer cell motility and invasion. Cell Communication and Signaling, 2010, 8, 22.	2.7	154
28	Neoplastic progression of the human breast cancer cell line G3S1 is associated with elevation of cytoskeletal dynamics and upregulation of MT1-MMP. International Journal of Oncology, 2010, 36, 833-9.	1.4	10
29	Confocal microscopy reveals <i>Myzitiras</i> and <i>Vthela</i> morphotypes as new signatures of malignancy progression. Scanning, 2009, 31, 102-106.	0.7	1
30	Assessment of the potential risk of infection associated with <i>Clostridium difficile</i> from porcine xenografts. Xenotransplantation, 2009, 16, 472-476.	1.6	5
31	Digital holographic microscope with low spatial and temporal coherence of illumination. Proceedings of SPIE, 2008, , .	0.8	5
32	Up-Regulation of Rho/ROCK Signaling in Sarcoma Cells Drives Invasion and Increased Generation of Protrusive Forces. Molecular Cancer Research, 2008, 6, 1410-1420.	1.5	96
33	Evidence for protein 4.1B acting as a metastasis suppressor. Journal of Cell Science, 2007, 120, 606-616.	1.2	31
34	<title>In vitro dynamic observations in a low-coherence holographic microscope</title>. Proceedings of SPIE, 2007, , .	0.8	0
35	Establishment, growth and in vivo differentiation of a new clonal human cell line, EM-G3, derived from breast cancer progenitors. Breast Cancer Research and Treatment, 2007, 103, 247-257.	1.1	12
36	Arising podosomal structures are associated with neoplastic cell morphological phenotype induced by the microenvironment. Anticancer Research, 2006, 26, 967-72.	0.5	7

#	ARTICLE	IF	CITATIONS
37	Calibration and quantification of fast intracellular motion (FIM) in living cells using correlation analysis. Scanning, 2003, 25, 230-239.	0.7	0
38	Large expansion of morphologically heterogeneous mammary epithelial cells, including the luminal phenotype, from human breast tumours. Breast Cancer Research and Treatment, 2002, 71, 219-235.	1.1	13
39	Fast intracellular motion in the living cell by video rate reflection confocal laser scanning microscopy. Journal of Anatomy, 2001, 198, 641-649.	0.9	7
40	Temporal in vitro expansion of the luminal lineage of human mammary epithelial cells achieved with the 3T3 feeder layer technique. Breast Cancer Research and Treatment, 2000, 60, 241-249.	1.1	11
41	Three-dimensional organization of actin cytoskeleton and podosomal contact structures in neoplastic cells in vitro. , 1998, , 219-243.		0
42	Three-dimensional organization of actin cytoskeleton and podosomal contact structures in neoplastic cells in vitro. Experimental Biology Online, 1997, 2, 1-74.	1.0	1
43	Treatment of burns and donor sites with human allogeneic keratinocytes grown on acellular pig dermis. British Journal of Dermatology, 1997, 136, 901-907.	1.4	18
44	Actin cytoskeleton and motility in rat sarcoma cell populations with different metastatic potential. Cytoskeleton, 1994, 28, 25-33.	4.4	44
45	Subtraction scanning acoustic microscopy reveals motility domains in cells in vitro. Cytoskeleton, 1994, 29, 231-240.	4.4	16
46	<title>Phase-contrast microscopy in the in-vitro study of neoplastic cell dynamic morphology and behavior as related to malignancy</title>. , 1994, , .		0
47	Value of the assessment in the SEM of surface structures and 3-D shape of the cell for predicting malignancy. Scanning, 1985, 7, 141-157.	0.7	1
48	Characteristic patterns of behaviour of sarcoma cells capable of metastasizing after intradermal injection into syngeneic lewis rats. European Journal of Cancer & Clinical Oncology, 1985, 21, 1424.	0.9	0
49	Cell locomotion and contact inhibition of normal and neoplastic rat cells. International Journal of Cancer, 1973, 11, 64-76.	2.3	70
50	Growth regulation and tumour formation of normal and neoplastic rat cells. International Journal of Cancer, 1973, 11, 77-89.	2.3	11
51	Scanning electron microscopy of cells in culture. Experimental Cell Research, 1972, 71, 313-324.	1.2	119
52	Pea phytohemagglutinin selective agglutination of tumour cells. Experientia, 1972, 28, 1085-1086.	1.2	21
53	Virogenic lines of RSV-transformed rat cells. Experientia, 1967, 23, 754-756.	1.2	4