

Karel Soucek

List of Publications by Year in descending order

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110
papers

2,681
citations

201674

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243625

44
g-index

119
all docs

119
docs citations

119
times ranked

4752
citing authors

#	ARTICLE	IF	CITATIONS
1	Transcription factor c-Myb: novel prognostic factor in osteosarcoma. Clinical and Experimental Metastasis, 2022, 39, 375-390.	3.3	4
2	Expandable Lung Epithelium Differentiated from Human Embryonic Stem Cells. Tissue Engineering and Regenerative Medicine, 2022, 19, 1033-1050.	3.7	3
3	TACSTD2 upregulation is an early reaction to lung infection. Scientific Reports, 2022, 12, .	3.3	4
4	Toll-Like Receptor 3 Overexpression Induces Invasion of Prostate Cancer Cells, whereas Its Activation Triggers Apoptosis. American Journal of Pathology, 2022, 192, 1321-1335.	3.8	3
5	A prolonged exposure of human lung carcinoma epithelial cells to benzo[a]pyrene induces p21-dependent epithelial-to-mesenchymal transition (EMT)-like phenotype. Chemosphere, 2021, 263, 128126.	8.2	6
6	Skp2 and Slug Are Coexpressed in Aggressive Prostate Cancer and Inhibited by Neddylation Blockade. International Journal of Molecular Sciences, 2021, 22, 2844.	4.1	9
7	Highly selective inhibitors of protein kinases CLK and HIPK with the furo[3,2-b]pyridine core. European Journal of Medicinal Chemistry, 2021, 215, 113299.	5.5	12
8	Phenotypic Heterogeneity of Triple-Negative Breast Cancer Mediated by Epithelialâ€Mesenchymal Plasticity. Cancers, 2021, 13, 2188.	3.7	35
9	RNF43 inhibits WNT5A-driven signaling and suppresses melanoma invasion and resistance to the targeted therapy. ELife, 2021, 10, .	6.0	22
10	Regulation of Neuroendocrine-like Differentiation in Prostate Cancer by Non-Coding RNAs. Non-coding RNA, 2021, 7, 75.	2.6	2
11	TGF-Î² regulates Sca-1 expression and plasticity of pre-neoplastic mammary epithelial stem cells. Scientific Reports, 2020, 10, 11396.	3.3	7
12	Trop2: Jack of All Trades, Master of None. Cancers, 2020, 12, 3328.	3.7	58
13	3D Cell Culture Models Demonstrate a Role for FGF and WNT Signaling in Regulation of Lung Epithelial Cell Fate and Morphogenesis. Frontiers in Cell and Developmental Biology, 2020, 8, 574.	3.7	42
14	Toll-Like Receptor 3 in Solid Cancer and Therapy Resistance. Cancers, 2020, 12, 3227.	3.7	32
15	Slug-expressing mouse prostate epithelial cells have increased stem cell potential. Stem Cell Research, 2020, 46, 101844.	0.7	17
16	Ring-Substituted 1-Hydroxynaphthalene-2-Carboxanilides Inhibit Proliferation and Trigger Mitochondria-Mediated Apoptosis. International Journal of Molecular Sciences, 2020, 21, 3416.	4.1	10
17	The CHK1 inhibitor MU380 significantly increases the sensitivity of human docetaxelâ€resistant prostate cancer cells to gemcitabine through the induction of mitotic catastrophe. Molecular Oncology, 2020, 14, 2487-2503.	4.6	13
18	ZEB1: A Critical Regulator of Cell Plasticity, DNA Damage Response, and Therapy Resistance. Frontiers in Molecular Biosciences, 2020, 7, 36.	3.5	112

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19	Blind deconvolution estimation of an arterial input function for small animal DCE-MRI. Magnetic Resonance Imaging, 2019, 62, 46-56.	1.8	9
20	Novel CHK1 inhibitor MU380 exhibits significant single-agent activity in TP53-mutated chronic lymphocytic leukemia cells. Haematologica, 2019, 104, 2443-2455.	3.5	23
21	High Skp2 expression is associated with a mesenchymal phenotype and increased tumorigenic potential of prostate cancer cells. Scientific Reports, 2019, 9, 5695.	3.3	21
22	Generation of human iPSCs from fetal prostate fibroblasts HPrF. Stem Cell Research, 2019, 35, 101405.	0.7	1
23	Furo[3,2- <i>b</i>]pyridine: A Privileged Scaffold for Highly Selective Kinase Inhibitors and Effective Modulators of the Hedgehog Pathway. Angewandte Chemie, 2019, 131, 1074-1078.	2.0	32
24	Furo[3,2- <i>b</i>]pyridine: A Privileged Scaffold for Highly Selective Kinase Inhibitors and Effective Modulators of the Hedgehog Pathway. Angewandte Chemie - International Edition, 2019, 58, 1062-1066.	13.8	38
25	LC-MS/MS study of in vivo fate of hyaluronan polymeric micelles carrying doxorubicin. Carbohydrate Polymers, 2019, 209, 181-189.	10.2	22
26	Plasticity and intratumoural heterogeneity of cell surface antigen expression in breast cancer. British Journal of Cancer, 2018, 118, 813-819.	6.4	20
27	Hypericin affects cancer side populations via competitive inhibition of BCRP. Biomedicine and Pharmacotherapy, 2018, 99, 511-522.	5.6	9
28	Metabolic stress regulates ERK activity by controlling KSR-RAF heterodimerization. EMBO Reports, 2018, 19, 320-336.	4.5	11
29	The fibroblast surface markers FAP, anti-fibroblast, and FSP are expressed by cells of epithelial origin and may be altered during epithelial-to-mesenchymal transition. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2018, 93, 941-951.	1.5	52
30	Transcription factor c-Myb inhibits breast cancer lung metastasis by suppression of tumor cell seeding. Oncogene, 2018, 37, 1020-1030.	5.9	16
31	Multiparameter cytometric analysis of complex cellular response. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2018, 93, 239-248.	1.5	0
32	Generation of human iPSCs from human prostate cancer-associated fibroblasts IBPi002-A. Stem Cell Research, 2018, 33, 255-259.	0.7	4
33	In vivo monitoring of tumor distribution of hyaluronan polymeric micelles labeled or loaded with near-infrared fluorescence dye. Carbohydrate Polymers, 2018, 198, 339-347.	10.2	15
34	Trop-2 plasticity is controlled by epithelial-to-mesenchymal transition. Carcinogenesis, 2018, 39, 1411-1418.	2.8	21
35	Soluble Cripto-1 Induces Accumulation of Supernumerary Centrosomes and Formation of Aberrant Mitoses in Human Embryonic Stem Cells. Stem Cells and Development, 2018, 27, 1077-1084.	2.1	3
36	Presence of growth/differentiation factor-15 cytokine in human follicular fluid, granulosa cells, and oocytes. Journal of Assisted Reproduction and Genetics, 2018, 35, 1407-1417.	2.5	7

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37	Abstract B084: Trop-2 plasticity is driven by epithelial-to-mesenchymal transition in prostate cancer cells. , 2018, , .		0
38	Hematological Findings in Non-Treated and $\hat{1}^3$ -Irradiated Mice Deficient for MIC-1/GDF15. Physiological Research, 2018, 67, 623-636.	0.9	2
39	Diastereoselective Flexible Synthesis of Carbocyclic C-Nucleosides. Journal of Organic Chemistry, 2017, 82, 3382-3402.	3.2	8
40	Synthesis and Profiling of a Novel Potent Selective Inhibitor of CHK1 Kinase Possessing Unusual N-trifluoromethylpyrazole Pharmacophore Resistant to Metabolic N-dealkylation. Molecular Cancer Therapeutics, 2017, 16, 1831-1842.	4.1	17
41	BRCA1 or CDK12 loss sensitizes cells to CHK1 inhibitors. Tumor Biology, 2017, 39, 101042831772747.	1.8	28
42	Chk1 Inhibitor SCH900776 Effectively Potentiates the Cytotoxic Effects of Platinum-Based Chemotherapeutic Drugs in Human Colon Cancer Cells. Neoplasia, 2017, 19, 830-841.	5.3	29
43	Alternative mechanisms of miR-34a regulation in cancer. Cell Death and Disease, 2017, 8, e3100-e3100.	6.3	205
44	Comparative cell cycle transcriptomics reveals synchronization of developmental transcription factor networks in cancer cells. PLoS ONE, 2017, 12, e0188772.	2.5	22
45	Hematological Profile of Untreated or Ionizing Radiation-Exposed Cyclooxygenase-2-Deficient Mice. Physiological Research, 2017, 66, 673-676.	0.9	4
46	Lung Neutrophilia in Myeloperoxidase Deficient Mice during the Course of Acute Pulmonary Inflammation. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-13.	4.0	21
47	The dual role of asporin in breast cancer progression. Oncotarget, 2016, 7, 52045-52060.	1.8	24
48	Exacerbation of substrate toxicity by IPTG in Escherichia coli BL21(DE3) carrying a synthetic metabolic pathway. Microbial Cell Factories, 2015, 14, 201.	4.0	145
49	Tumor suppressor candidate 3 (TUSC3) prevents the epithelial-to-mesenchymal transition and inhibits tumor growth by modulating the endoplasmic reticulum stress response in ovarian cancer cells. International Journal of Cancer, 2015, 137, 1330-1340.	5.1	38
50	Flavonoid 4â€²-O-Methylkuwanon E from Morus alba Induces the Differentiation of THP-1 Human Leukemia Cells. Evidence-based Complementary and Alternative Medicine, 2015, 2015, 1-8.	1.2	1
51	Evaluation of accuracy of bolus and burst method for quantitative ultrasound perfusion analysis with various arterial input function models. , 2015, , .		1
52	Opposite regulation of MDM2 and MDMX expression in acquisition of mesenchymal phenotype in benign and cancer cells. Oncotarget, 2015, 6, 36156-36171.	1.8	17
53	Blind deconvolution in dynamic contrast-enhanced MRI and ultrasound. , 2014, 2014, 4276-9.		6
54	The oncogene <i>EVI1</i> enhances transcriptional and biological responses of human myeloid cells to <i>all-trans</i> retinoic acid. Cell Cycle, 2014, 13, 2931-2943.	2.6	22

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55	The role of high cell density in the promotion of neuroendocrine transdifferentiation of prostate cancer cells. <i>Molecular Cancer</i> , 2014, 13, 113.	19.2	24
56	Abstract 3047: Hypoxia leads to deregulation of PI3K/AKT/mTOR signaling in prostate cancer stem cells. , 2014, , .		0
57	Automatic cell cloning assay for determining the clonogenic capacity of cancer and cancer stemâ€like cells. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2013, 83A, 472-482.	1.5	26
58	Prenylated Flavonoids from <i>Morus alba</i> L. Cause Inhibition of G1/S Transition in THP-1 Human Leukemia Cells and Prevent the Lipopolysaccharide-Induced Inflammatory Response. <i>Evidence-based Complementary and Alternative Medicine</i> , 2013, 2013, 1-13.	1.2	16
59	Mutual cytokine crosstalk between colon cancer cells and microenvironment initiates development of distant metastases. <i>Jak-stat</i> , 2013, 2, e23810.	2.2	5
60	Formation of Secretory Senescent Cells in Prostate Tumors: The Role of Androgen Receptor Activity and Cell Cycle Regulation. , 2013, , 303-316.		0
61	Alternative Pathways of Cancer Cell Death by Rottlerin: Apoptosis versus Autophagy. <i>Evidence-based Complementary and Alternative Medicine</i> , 2012, 2012, 1-11.	1.2	26
62	Growth/differentiation factor-15: prostate cancer suppressor or promoter?. <i>Prostate Cancer and Prostatic Diseases</i> , 2012, 15, 320-328.	3.9	58
63	TGF- β 1 signaling plays a dominant role in the crosstalk between TGF- β 1 and the aryl hydrocarbon receptor ligand in prostate epithelial cells. <i>Cellular Signalling</i> , 2012, 24, 1665-1676.	3.6	18
64	c-Myb regulates matrix metalloproteinases 1/9, and cathepsin D: implications for matrix-dependent breast cancer cell invasion and metastasis. <i>Molecular Cancer</i> , 2012, 11, 15.	19.2	54
65	Androgen Depletion Induces Senescence in Prostate Cancer Cells through Down-regulation of Skp2. <i>Neoplasia</i> , 2011, 13, 526-533.	5.3	65
66	Inhibition of topoisomerase II α : Novel function of wedelolactone. <i>Cancer Letters</i> , 2011, 303, 29-38.	7.2	58
67	Cisplatin and a potent platinum(IV) complex-mediated enhancement of TRAIL-induced cancer cells killing is associated with modulation of upstream events in the extrinsic apoptotic pathway. <i>Carcinogenesis</i> , 2011, 32, 42-51.	2.8	40
68	Gene expression changes in human prostate carcinoma cells exposed to genotoxic and nongenotoxic aryl hydrocarbon receptor ligands. <i>Toxicology Letters</i> , 2011, 206, 178-188.	0.8	42
69	TGF- β 1-induced EMT of nonâ€transformed prostate hyperplasia cells is characterized by early induction of SNAI2/Slug. <i>Prostate</i> , 2011, 71, 1332-1343.	2.3	95
70	Fetal colon cell line FHC exhibits tumorigenic phenotype, complex karyotype, and TP53 gene mutation. <i>Cancer Genetics and Cytogenetics</i> , 2010, 197, 107-116.	1.0	18
71	TGF- β 1 suppresses IL-6-induced STAT3 activation through regulation of Jak2 expression in prostate epithelial cells. <i>Cellular Signalling</i> , 2010, 22, 1734-1744.	3.6	25
72	Growth/differentiation factor-15 is an abundant cytokine in human seminal plasma. <i>Human Reproduction</i> , 2010, 25, 2962-2971.	0.9	27

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73	Genotoxic polycyclic aromatic hydrocarbons fail to induce the p53-dependent DNA damage response, apoptosis or cell-cycle arrest in human prostate carcinoma LNCaP cells. Toxicology Letters, 2010, 197, 227-235.	0.8	24
74	LA-12 overcomes confluence-dependent resistance of HT-29 colon cancer cells to Pt (II) compounds. Anticancer Research, 2010, 30, 1183-8.	1.1	10
75	Heavy metals induce phosphorylation of the Bcl-2 protein by Jun N-terminal kinase. Biological Chemistry, 2009, 390, 49-58.	2.5	4
76	Rottlerin Inhibits ROS Formation and Prevents NF- κ B Activation in MCF-7 and HT-29 Cells. Journal of Biomedicine and Biotechnology, 2009, 2009, 1-7.	3.0	47
77	Monocytic differentiation of leukemic HL-60 cells induced by co-treatment with TNF- α and MK886 requires activation of pro-apoptotic machinery. European Journal of Haematology, 2009, 83, 35-47.	2.2	7
78	Multiple defects in negative regulation of the PKB/Akt pathway sensitise human cancer cells to the antiproliferative effect of non-steroidal anti-inflammatory drugs. Biochemical Pharmacology, 2009, 78, 561-572.	4.4	13
79	5-Lipoxygenase inhibitors potentiate 1 α ,25-dihydroxyvitamin D ₃ -induced monocytic differentiation by activating p38 MAPK pathway. Molecular and Cellular Biochemistry, 2009, 330, 229-238.	3.1	9
80	Dynamic Monitoring of Cellular Remodeling Induced by the Transforming Growth Factor- β 1. Biological Procedures Online, 2009, 11, 316-324.	2.9	13
81	Growth/differentiation factor-15 inhibits differentiation into osteoclasts—A novel factor involved in control of osteoclast differentiation. Differentiation, 2009, 78, 213-222.	1.9	37
82	Nitroxide radical TEMPO reduces ozone-induced chemokine IL-8 production in lung epithelial cells. Toxicology in Vitro, 2009, 23, 365-370.	2.4	15
83	Drug efflux transporters, MRP1 and BCRP, affect the outcome of hypericin-mediated photodynamic therapy in HT-29 adenocarcinoma cells. Photochemical and Photobiological Sciences, 2009, 8, 1716-1723.	2.9	61
84	Alternative pathways of programmed cell death are activated in cells with defective caspase-dependent apoptosis. Leukemia Research, 2008, 32, 599-609.	0.8	12
85	Lineage specific composition of cyclin D-CDK4/CDK6-p27 complexes reveals distinct functions of CDK4, CDK6 and individual D-type cyclins in differentiating cells of embryonic origin. Cell Proliferation, 2008, 41, 875-893.	5.3	26
86	Rottlerin inhibits the nuclear factor κ B/Cyclin-D1 cascade in MCF-7 breast cancer cells. Life Sciences, 2008, 82, 638-643.	4.3	40
87	Novel Anticancer Platinum(IV) Complexes with Adamantylamine: Their Efficiency and Innovative Chemotherapy Strategies Modifying Lipid Metabolism. Metal-Based Drugs, 2008, 2008, 1-15.	3.8	13
88	Fatty Acids in the Modulation of Reactive Oxygen Species Balance in Cancer. , 2008, , 129-153.		5
89	Different cell cycle modulation following treatment of human ovarian carcinoma cells with a new platinum(IV) complex vs cisplatin. Investigational New Drugs, 2007, 25, 435-443.	2.6	21
90	Different modulation of TRAIL-induced apoptosis by inhibition of pro-survival pathways in TRAIL-sensitive and TRAIL-resistant colon cancer cells. FEBS Letters, 2006, 580, 6565-6569.	2.8	35

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91	Effect of Apple Extracts on NF- κ B Activation in Human Umbilical Vein Endothelial Cells. <i>Experimental Biology and Medicine</i> , 2006, 231, 594-598.	2.4	36
92	Normal and prostate cancer cells display distinct molecular profiles of α -tubulin posttranslational modifications. <i>Prostate</i> , 2006, 66, 954-965.	2.3	80
93	Dimethyl sulfoxide potentiates death receptor-mediated apoptosis in the human myeloid leukemia U937 cell line through enhancement of mitochondrial membrane depolarization. <i>Leukemia Research</i> , 2006, 30, 81-89.	0.8	19
94	Transforming growth factor- β 1 inhibits all-trans retinoic acid-induced apoptosis. <i>Leukemia Research</i> , 2006, 30, 607-623.	0.8	17
95	Platinum(IV) complex with adamantylamine overcomes intrinsic resistance to cisplatin in ovarian cancer cells. <i>Gynecologic Oncology</i> , 2006, 102, 32-40.	1.4	29
96	Posttranslational nitrotyrosination of α -tubulin induces cell cycle arrest and inhibits proliferation of vascular smooth muscle cells. <i>European Journal of Cell Biology</i> , 2006, 85, 1241-1252.	3.6	22
97	High effectiveness of platinum(IV) complex with adamantylamine in overcoming resistance to cisplatin and suppressing proliferation of ovarian cancer cells in vitro. <i>Biochemical Pharmacology</i> , 2005, 69, 373-383.	4.4	56
98	A reappraisal of the genomic organization of human Nox1 and its splice variants. <i>Archives of Biochemistry and Biophysics</i> , 2005, 435, 323-330.	3.0	17
99	In Vitro Proliferation of Fibrosarcoma Cells Depends on Intact Functions of Lipoxygenases and Cytochrome P-450-Monooxygenase. <i>Cancer Investigation</i> , 2004, 22, 234-247.	1.3	13
100	The effects of TNF- α and inhibitors of arachidonic acid metabolism on human colon HT-29 cells depend on differentiation status. <i>Differentiation</i> , 2004, 72, 23-31.	1.9	22
101	Ethanol acts as a potent agent sensitizing colon cancer cells to the TRAIL-induced apoptosis. <i>FEBS Letters</i> , 2004, 577, 309-313.	2.8	14
102	Lipoxygenase inhibitors enhance tumor suppressive effects of Jun proteins on v-myb-transformed monoblasts BM2. <i>Prostaglandins and Other Lipid Mediators</i> , 2003, 72, 131-145.	1.9	3
103	Tumor-Host Interactions Accompanying the Growth of the G:5:113 Fibrosarcoma in the Mouse: Possibilities for a New Therapeutic Approach?. <i>Cancer Investigation</i> , 2003, 21, 227-236.	1.3	1
104	Trichostatin A Suppresses Transformation by the v-myb Oncogene in BM2 Cells. <i>Journal of Hematotherapy and Stem Cell Research</i> , 2003, 12, 225-235.	1.8	7
105	The Effect of Nonsteroidal Anti-inflammatory Drugs Ibuprofen, Flurbiprofen, and Diclofenac on In Vitro and In Vivo Growth of Mouse Fibrosarcoma. <i>Cancer Investigation</i> , 2002, 20, 490-498.	1.3	13
106	Multiple biological effects of inhibitors of arachidonic acid metabolism on human keratinocytes. <i>Archives of Dermatological Research</i> , 2002, 293, 626-633.	1.9	11
107	Tumor necrosis factor- α induces apoptosis associated with poly(ADP-ribose) polymerase cleavage in HT-29 colon cancer cells. <i>Anticancer Research</i> , 2002, 22, 1635-9.	1.1	21
108	Inhibitors of arachidonic acid metabolism potentiate tumour necrosis factor- α -induced apoptosis in HL-60 cells. <i>European Journal of Pharmacology</i> , 2001, 424, 1-11.	3.5	11

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109	The Effects of RAR β and RXR β Proteins on Growth, Viability, and Differentiation of v-myb-Transformed Monoblasts. Blood Cells, Molecules, and Diseases, 2000, 26, 395-406.	1.4	4
110	Trop-2 expression in epithelial-to-mesenchymal transition of cancer cells. Endocrine Abstracts, 0, , .	0.0	0