

Petr Vanhara

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

1,557
citations

393982

19
h-index

301761

39
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43
all docs

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docs citations

43
times ranked

2633
citing authors

#	ARTICLE	IF	CITATIONS
1	Matrix enrichment by black phosphorus improves ionization and reproducibility of mass spectrometry of intact cells, peptides, and amino acids. <i>Scientific Reports</i> , 2022, 12, 1175.	1.6	2
2	Copper(II) Phenanthroline-Based Complexes as Potential AntiCancer Drugs: A Walkthrough on the Mechanisms of Action. <i>Molecules</i> , 2022, 27, 49.	1.7	26
3	Combined efficacy of Cinnamomum zeylanicum and doxorubicin against leukemia through regulation of TRAIL and NF-kappa B pathways in rat model. <i>Molecular Biology Reports</i> , 2022, 49, 6495-6507.	1.0	2
4	Expandable Lung Epithelium Differentiated from Human Embryonic Stem Cells. <i>Tissue Engineering and Regenerative Medicine</i> , 2022, 19, 1033-1050.	1.6	3
5	The first copper(II) complex with 1,10-phenanthroline and salubrinal with interesting biochemical properties. <i>Metallomics</i> , 2020, 12, 891-901.	1.0	20
6	Mixed copper(II)-phenanthroline complexes induce cell death of ovarian cancer cells by evoking the unfolded protein response. <i>Metallomics</i> , 2019, 11, 1481-1489.	1.0	21
7	Rapid discrimination of multiple myeloma patients by artificial neural networks coupled with mass spectrometry of peripheral blood plasma. <i>Scientific Reports</i> , 2019, 9, 7975.	1.6	24
8	A metabolic switch in proteasome inhibitor-resistant multiple myeloma ensures higher mitochondrial metabolism, protein folding and sphingomyelin synthesis. <i>Haematologica</i> , 2019, 104, e415-e419.	1.7	48
9	Laser ablation synthesis of carbon-phosphides from graphene/nanodiamond-phosphorus composite precursors: Laser desorption ionisation time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2019, 33, 520-526.	0.7	4
10	Mass spectrometric discrimination of phospholipid patterns in cisplatin-resistant and -sensitive cancer cells. <i>Rapid Communications in Mass Spectrometry</i> , 2019, 33, 97-106.	0.7	6
11	Intact Cell Mass Spectrometry as a Quality Control Tool for Revealing Minute Phenotypic Changes of Cultured Human Embryonic Stem Cells. <i>Stem Cells Translational Medicine</i> , 2018, 7, 109-114.	1.6	8
12	TUSC3: functional duality of a cancer gene. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 849-857.	2.4	23
13	Alleviation of endoplasmic reticulum stress by tauroursodeoxycholic acid delays senescence of mouse ovarian surface epithelium. <i>Cell and Tissue Research</i> , 2018, 374, 643-652.	1.5	7
14	Soluble Cripto-1 Induces Accumulation of Supernumerary Centrosomes and Formation of Aberrant Mitoses in Human Embryonic Stem Cells. <i>Stem Cells and Development</i> , 2018, 27, 1077-1084.	1.1	3
15	Synthesis and Profiling of a Novel Potent Selective Inhibitor of CHK1 Kinase Possessing Unusual N-trifluoromethylpyrazole Pharmacophore Resistant to Metabolic N-dealkylation. <i>Molecular Cancer Therapeutics</i> , 2017, 16, 1831-1842.	1.9	17
16	Clusters of Monoisotopic Elements for Calibration in (TOF) Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 419-427.	1.2	28
17	The role of the endoplasmic reticulum stress in stemness, pluripotency and development. <i>European Journal of Cell Biology</i> , 2016, 95, 115-123.	1.6	33
18	Multivariate Calibration Approach for Quantitative Determination of Cell-Line Cross Contamination by Intact Cell Mass Spectrometry and Artificial Neural Networks. <i>PLoS ONE</i> , 2016, 11, e0147414.	1.1	13

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19	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. <i>International Journal of Cancer</i> , 2015, 137, 1330-1340.	2.3	38
20	Use of flower-like gold nanoparticles in time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 1585-1595.	0.7	19
21	The potential evasion of immune surveillance in mucosa associated lymphoid tissue lymphoma by DcR2-mediated up-regulation of nuclear factor- κ B. <i>Leukemia and Lymphoma</i> , 2015, 56, 1440-1449.	0.6	3
22	Coordination compounds in cancer: Past, present and perspectives. <i>Journal of Applied Biomedicine</i> , 2015, 13, 79-103.	0.6	113
23	The erratic antibiotic susceptibility patterns of bacterial pathogens causing urinary tract infections. <i>EXCLI Journal</i> , 2015, 14, 916-25.	0.5	13
24	Intravenous insulin therapy during lung resection does not affect lung function or surfactant proteins. <i>BMC Pulmonary Medicine</i> , 2014, 14, 155.	0.8	1
25	Tissue profiling by nanogold-mediated mass spectrometry and artificial neural networks in the mouse model of human primary hyperoxaluria 1. <i>Journal of Applied Biomedicine</i> , 2014, 12, 119-125.	0.6	11
26	TUSC3 Loss Alters the ER Stress Response and Accelerates Prostate Cancer Growth in vivo. <i>Scientific Reports</i> , 2014, 4, 3739.	1.6	54
27	Artificial neural networks in medical diagnosis. <i>Journal of Applied Biomedicine</i> , 2013, 11, 47-58.	0.6	629
28	Loss of the oligosaccharyl transferase subunit TUSC3 promotes proliferation and migration of ovarian cancer cells. <i>International Journal of Oncology</i> , 2013, 42, 1383-1389.	1.4	30
29	Methylation status of <i>TUSC3</i> is a prognostic factor in ovarian cancer. <i>Cancer</i> , 2013, 119, 946-954.	2.0	48
30	Mutual cytokine crosstalk between colon cancer cells and microenvironment initiates development of distant metastases. <i>Jak-stat</i> , 2013, 2, e23810.	2.2	5
31	Differential effects of insulin and dexamethasone on pulmonary surfactant-associated genes and proteins in A549 and H441 cells and lung tissue. <i>International Journal of Molecular Medicine</i> , 2013, 32, 211-218.	1.8	24
32	Formation of Secretory Senescent Cells in Prostate Tumors: The Role of Androgen Receptor Activity and Cell Cycle Regulation. , 2013, , 303-316.		0
33	Growth/differentiation factor-15: prostate cancer suppressor or promoter?. <i>Prostate Cancer and Prostatic Diseases</i> , 2012, 15, 320-328.	2.0	58
34	Expression of immune-modulatory molecules HLA-G and HLA-E by tumor cells in glioblastomas: An unexpected prognostic significance?. <i>Neuropathology</i> , 2011, 31, 129-134.	0.7	72
35	hVps37A Status Affects Prognosis and Cetuximab Sensitivity in Ovarian Cancer. <i>Clinical Cancer Research</i> , 2011, 17, 7816-7827.	3.2	37
36	Production of immune-modulatory nonclassical molecules HLA-G and HLA-E by tumor infiltrating amoeboid microglia/macrophages in glioblastomas: A role in innate immunity?. <i>Journal of Neuroimmunology</i> , 2010, 220, 131-135.	1.1	45

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37	Growth/differentiation factor-15 inhibits differentiation into osteoclastsâ€”A novel factor involved in control of osteoclast differentiation. <i>Differentiation</i> , 2009, 78, 213-222.	1.0	37
38	Copper ions regulate cytotoxicity of disulfiram to myeloid leukemia cells. <i>International Journal of Molecular Medicine</i> , 2009, 24, 661-70.	1.8	16
39	c-Jun induces apoptosis of starved BM2 monoblasts by activating cyclin A-CDK2. <i>Biochemical and Biophysical Research Communications</i> , 2007, 353, 92-97.	1.0	3
40	Geographical sexual size dimorphism in an antâ€œating spider, <i>Zodarium rubidum</i> (Araneae: Zodariidae). <i>Journal of Natural History</i> , 2006, 40, 1343-1350.	0.2	8
41	Jun: the master regulator in healthy and cancer cells. <i>Journal of Applied Biomedicine</i> , 2006, 4, 163-170.	0.6	3
42	Intact Cell Mass Spectrometry for Embryonic Stem Cell Biotyping. , 0, , .		2