

Rainer Wittig

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

1,178
citations

331670

21
h-index

377865

34
g-index

43
all docs

43
docs citations

43
times ranked

2112
citing authors

#	ARTICLE	IF	CITATIONS
1	Growth of human gastric cancer cells in nude mice is delayed by a ketogenic diet supplemented with omega-3 fatty acids and medium-chain triglycerides. <i>BMC Cancer</i> , 2008, 8, 122.	2.6	175
2	Bacteria Binding by DMBT1/SAG/gp-340 Is Confined to the VEVLXXXXW Motif in Its Scavenger Receptor Cysteine-rich Domains. <i>Journal of Biological Chemistry</i> , 2004, 279, 47699-47703.	3.4	111
3	DMBT1 Confers Mucosal Protection In Vivo and a Deletion Variant Is Associated With Crohn's Disease. <i>Gastroenterology</i> , 2007, 133, 1499-1509.	1.3	96
4	Light exposure and cell viability in fluorescence microscopy. <i>Journal of Microscopy</i> , 2012, 245, 311-318.	1.8	65
5	Light Dose is a Limiting Factor to Maintain Cell Viability in Fluorescence Microscopy and Single Molecule Detection. <i>International Journal of Molecular Sciences</i> , 2010, 11, 956-966.	4.1	54
6	Loss of menin in osteoblast lineage affects osteocyte-osteoclast crosstalk causing osteoporosis. <i>Cell Death and Differentiation</i> , 2017, 24, 672-682.	11.2	47
7	Candidate genes for cross-resistance against DNA-damaging drugs. <i>Cancer Research</i> , 2002, 62, 6698-705.	0.9	46
8	Preparation strategy and illumination of three-dimensional cell cultures in light sheet-based fluorescence microscopy. <i>Journal of Biomedical Optics</i> , 2012, 17, 1015181.	2.6	40
9	Enhancing Endosomal Escape of Transduced Proteins by Photochemical Internalisation. <i>PLoS ONE</i> , 2012, 7, e52473.	2.5	38
10	Utility of lab-on-a-chip technology for high-throughput nucleic acid and protein analysis. <i>Electrophoresis</i> , 2005, 26, 3674-3681.	2.4	35
11	ABCG2-mediated suppression of chlorin e6 accumulation and photodynamic therapy efficiency in glioblastoma cell lines can be reversed by KO143. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 178, 182-191.	3.8	33
12	Carcinogen inducibility in vivo and down-regulation of DMBT1 during breast carcinogenesis. <i>Genes Chromosomes and Cancer</i> , 2004, 39, 185-194.	2.8	32
13	The role of glucose metabolism and glucose-associated signalling in cancer. <i>Perspectives in Medicinal Chemistry</i> , 2008, 1, 64-82.	4.6	32
14	Active targeting of mesoporous silica drug carriers enhances β -secretase inhibitor efficacy in an <i>in vivo</i> model for breast cancer. <i>Nanomedicine</i> , 2014, 9, 971-987.	3.3	30
15	Mesoporous silica nanoparticles in injectable hydrogels: factors influencing cellular uptake and viability. <i>Nanoscale</i> , 2017, 9, 12379-12390.	5.6	29
16	Photodynamic activity of Temoporfin nanoparticles induces a shift to the M1-like phenotype in M2-polarized macrophages. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 185, 215-222.	3.8	29
17	Basal transcription activity of the dyskeratosis congenita gene is mediated by Sp1 and Sp3 and a patient mutation in a Sp1 binding site is associated with decreased promoter activity. <i>Gene</i> , 2002, 293, 9-19.	2.2	28
18	Expression of Transketolase-like 1 and Activation of Akt in Grade IV Glioblastomas Compared With Grades II and III Astrocytic Gliomas. <i>American Journal of Clinical Pathology</i> , 2008, 130, 50-57.	0.7	27

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19	Matrix-Dependent Regulation of AKT in Hepsin-Overexpressing PC3 Prostate Cancer Cells. <i>Neoplasia</i> , 2011, 13, 579-IN2.	5.3	27
20	ABCG2 influence on the efficiency of photodynamic therapy in glioblastoma cells. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020, 210, 111963.	3.8	27
21	Biosensor-Expressing Spheroid Cultures for Imaging of Drug-Induced Effects in Three Dimensions. <i>Journal of Biomolecular Screening</i> , 2013, 18, 736-743.	2.6	21
22	Excess hepsin proteolytic activity limits oncogenic signaling and induces ER stress and autophagy in prostate cancer cells. <i>Cell Death and Disease</i> , 2019, 10, 601.	6.3	18
23	Systematic screening of isogenic cancer cells identifies DUSP6 as context-specific synthetic lethal target in melanoma. <i>Oncotarget</i> , 2017, 8, 23760-23774.	1.8	18
24	Thioredoxin, a regulator of gene expression. <i>Oncogene</i> , 2004, 23, 2146-2152.	5.9	16
25	Direct laser writing-mediated generation of standardized topographies for dental implant surface optimization. <i>Journal of Laser Applications</i> , 2012, 24, 042011.	1.7	14
26	The Role of Glucose Metabolism and Glucose-Associated Signalling in Cancer. <i>Perspectives in Medicinal Chemistry</i> , 2007, 1, 1177391X0700100.	4.6	13
27	The scavenging capacity of DMBT1 is impaired by germline deletions. <i>Immunogenetics</i> , 2017, 69, 401-407.	2.4	12
28	Multi-dimensional fluorescence microscopy of living cells. <i>Journal of Biophotonics</i> , 2011, 4, 143-149.	2.3	11
29	The glucocorticoid receptor associates with RAS complexes to inhibit cell proliferation and tumor growth. <i>Science Signaling</i> , 2022, 15, eabm4452.	3.6	11
30	Cell adherence and drug delivery from particle based mesoporous silica films. <i>RSC Advances</i> , 2019, 9, 17745-17753.	3.6	9
31	Chlorin Nanoparticles for Tissue Diagnostics and Photodynamic Therapy. <i>Photodiagnosis and Photodynamic Therapy</i> , 2018, 22, 106-114.	2.6	8
32	Deletion of Menin in craniofacial osteogenic cells in mice elicits development of mandibular ossifying fibroma. <i>Oncogene</i> , 2018, 37, 616-626.	5.9	8
33	Nanosecond ratio imaging of redox states in tumor cell spheroids using light sheet-based fluorescence microscopy. <i>Journal of Biomedical Optics</i> , 2013, 18, 126007.	2.6	7
34	Multiplex reverse transcription-polymerase chain reaction combined with on-chip electrophoresis as a rapid screening tool for candidate gene sets. <i>Electrophoresis</i> , 2005, 26, 1687-1691.	2.4	4
35	Multidimensional fluorescence microscopy in live cell imaging – A mini review. <i>Photonics & Lasers in Medicine</i> , 2012, 1, .	0.2	3
36	From In Silico to Experimental Validation: Tailoring Peptide Substrates for a Serine Protease. <i>Biomacromolecules</i> , 2020, 21, 1636-1643.	5.4	3

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37	A fluorescence diagnostic system detecting cancer-specific enzymatic activities: preliminary results. , 2009, , .		0
38	3D fluorescence imaging of tumor cell spheroids. Proceedings of SPIE, 2011, , .	0.8	0
39	Raman and fluorescence microscopy to study the internalization and dissolution of photosensitizer nanoparticles into living cells. Proceedings of SPIE, 2015, , .	0.8	0
40	In vitro study for photodynamic therapy using FotolonÂ® in glioma treatment. , 2015, , .		0
41	Cellular Reactions of Organic Nanoparticles During PDT. , 2018, , .		0