An Wouters

List of Publications by Year
in descending order

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69 papers	1,929 citations	279798 23 h-index	276875 41 g-index
69 all docs	69 docs citations	69 times ranked	3651 citing authors

#	Article	IF	Citations
1	Comparative Analysis of Dynamic Cell Viability, Migration and Invasion Assessments by Novel Real-Time Technology and Classic Endpoint Assays. PLoS ONE, 2012, 7, e46536.	2.5	229
2	The potential and controversy of targeting STAT family members in cancer. Seminars in Cancer Biology, 2020, 60, 41-56.	9.6	226
3	Review: Implications of In Vitro Research on the Effect of Radiotherapy and Chemotherapy Under Hypoxic Conditions. Oncologist, 2007, 12, 690-712.	3.7	124
4	Anti-Epidermal Growth Factor Receptor Therapy in Head and Neck Squamous Cell Carcinoma: Focus on Potential Molecular Mechanisms of Drug Resistance. Oncologist, 2013, 18, 850-864.	3.7	82
5	Spotlight on Volasertib: Preclinical and Clinical Evaluation of a Promising Plk1 Inhibitor. Medicinal Research Reviews, 2016, 36, 749-786.	10.5	78
6	Pharmacological Levels of Withaferin A (Withania somnifera) Trigger Clinically Relevant Anticancer Effects Specific to Triple Negative Breast Cancer Cells. PLoS ONE, 2014, 9, e87850.	2.5	70
7	The MDM2-inhibitor Nutlin-3 synergizes with cisplatin to induce p53 dependent tumor cell apoptosis in non-small cell lung cancer. Oncotarget, 2015, 6, 22666-22679.	1.8	62
8	RANK/RANKL signaling inhibition may improve the effectiveness of checkpoint blockade in cancer treatment. Critical Reviews in Oncology/Hematology, 2019, 133, 85-91.	4.4	57
9	Overcoming cetuximab resistance in HNSCC: The role of AURKB and DUSP proteins. Cancer Letters, 2014, 354, 365-377.	7.2	53
10	APR-246 (PRIMA-1 MET) strongly synergizes with AZD2281 (olaparib) induced PARP inhibition to induce apoptosis in non-small cell lung cancer cell lines. Cancer Letters, 2016, 375, 313-322.	7.2	51
11	Hypoxia-Induced Cisplatin Resistance in Non-Small Cell Lung Cancer Cells Is Mediated by HIF-1Î± and Mutant p53 and Can Be Overcome by Induction of Oxidative Stress. Cancers, 2018, 10, 126.	3.7	43
12	A systematic review on poly(I:C) and poly-ICLC in glioblastoma: adjuvants coordinating the unlocking of immunotherapy. Journal of Experimental and Clinical Cancer Research, 2021, 40, 213.	8.6	42
13	Microenvironment-driven intratumoral heterogeneity in head and neck cancers: clinical challenges and opportunities for precision medicine. Drug Resistance Updates, 2022, 60, 100806.	14.4	41
14	In vitro and in vivo investigations on the antitumour activity of Chelidonium majus. Phytomedicine, 2015, 22, 1279-1287.	5.3	39
15	Poly(I:C) primes primary human glioblastoma cells for an immune response invigorated by PD-L1 blockade. OncoImmunology, 2018, 7, e1407899.	4.6	38
16	Cancer-Associated Fibroblasts as a Common Orchestrator of Therapy Resistance in Lung and Pancreatic Cancer. Cancers, 2021, 13, 987.	3.7	38
17	Reducing Compounds Equivocally Influence Oxidation during Digestion of a High-Fat Beef Product, which Promotes Cytotoxicity in Colorectal Carcinoma Cell Lines. Journal of Agricultural and Food Chemistry, 2016, 64, 1600-1609.	5.2	36
18	Simultaneous targeting of <scp>EGFR</scp>,<scp> HER</scp>2, and <scp>HER</scp>4 by afatinib overcomes intrinsic and acquired cetuximab resistance in head and neck squamous cell carcinoma cell lines. Molecular Oncology, 2018, 12, 830-854.	4.6	36

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19	Mutation analysis of genes in the EGFR pathway in Head and Neck cancer patients: implications for anti-EGFR treatment response. BMC Research Notes, 2014, 7, 337.	1.4	35
20	The Right Partner in Crime: Unlocking the Potential of the Anti-EGFR Antibody Cetuximab via Combination With Natural Killer Cell Chartering Immunotherapeutic Strategies. Frontiers in Immunology, 2021, 12, 737311.	4.8	28
21	Expression Analysis on Archival Material Revisited. Diagnostic Molecular Pathology, 2013, 22, 59-64.	2.1	26
22	Cetuximab-induced natural killer cell cytotoxicity in head and neck squamous cell carcinoma cell lines: investigation of the role of cetuximab sensitivity and HPV status. British Journal of Cancer, 2020, 123, 752-761.	6.4	25
23	The Intriguing Interplay Between Therapies Targeting the Epidermal Growth Factor Receptor, the Hypoxic Microenvironment and Hypoxia-inducible Factors. Current Pharmaceutical Design, 2013, 19, 907-917.	1.9	24
24	Recent insights in the PI3K/Akt pathway as a promising therapeutic target in combination with EGFRâ€targeting agents to treat head and neck squamous cell carcinoma. Medicinal Research Reviews, 2022, 42, 112-155.	10.5	24
25	Role of cell cycle perturbations in the combination therapy of chemotherapeutic agents and radiation. Future Oncology, 2010, 6, 1485-1496.	2.4	23
26	Deep sequencing of the TP53 gene reveals a potential risk allele for nonâ€“small cell lung cancer and supports the negative prognostic value of TP53 variants. Tumor Biology, 2017, 39, 101042831769432.	1.8	22
27	RANK-RANKL Signaling in Cancer of the Uterine Cervix: A Review. International Journal of Molecular Sciences, 2019, 20, 2183.	4.1	22
28	The hypoxic tumor microenvironment and drug resistance against EGFR inhibitors: preclinical study in cetuximab-sensitive head and neck squamous cell carcinoma cell lines. BMC Research Notes, 2015, 8, 203.	1.4	21
29	Chemoradiation interactions under reduced oxygen conditions: Cellular characteristics of an in vitro model. Cancer Letters, 2009, 286, 180-188.	7.2	19
30	Establishment and characterization of cetuximab resistant head and neck squamous cell carcinoma cell lines: focus on the contribution of the AP-1 transcription factor. American Journal of Cancer Research, 2015, 5, 1921-38.	1.4	19
31	The Benefit of Reactivating p53 under MAPK Inhibition on the Efficacy of Radiotherapy in Melanoma. Cancers, 2019, 11, 1093.	3.7	18
32	The role of apoptotic cell death in the radiosensitising effect of gemcitabine. British Journal of Cancer, 2009, 101, 628-636.	6.4	17
33	InÂvitro study of the Poloâ€like kinase 1 inhibitor volasertib in nonâ€smallâ€cell lung cancer reveals a role for the tumor suppressor p53. Molecular Oncology, 2019, 13, 1196-1213.	4.6	17
34	Counting clonogenic assays from normoxic and anoxic irradiation experiments manually or by using densitometric software. Physics in Medicine and Biology, 2010, 55, N167-N178.	3.0	16
35	Expression Analysis on Archival Material. Diagnostic Molecular Pathology, 2011, 20, 203-211.	2.1	16
36	Dual Targeting of Epidermal Growth Factor Receptor and HER3 by MEHD7945A as Monotherapy or in Combination with Cisplatin Partially Overcomes Cetuximab Resistance in Head and Neck Squamous Cell Carcinoma Cell Lines. Cancer Biotherapy and Radiopharmaceuticals, 2017, 32, 229-238.	1.0	15

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37	The intriguing interplay between therapies targeting the epidermal growth factor receptor, the hypoxic microenvironment and hypoxia-inducible factors. Current Pharmaceutical Design, 2013, 19, 907-17.	1.9	15
38	Preclinical and clinical studies on afatinib in monotherapy and in combination regimens: Potential impact in colorectal cancer. , 2016, 166, 71-83.		14
39	In vitro study on the schedule-dependency of the interaction between pemetrexed, gemcitabine and irradiation in non-small cell lung cancer and head and neck cancer cells. BMC Cancer, 2010, 10, 441.	2.6	13
40	Efficacy Screening of Gloriosa Superba Extracts in a Murine Pancreatic Cancer Model Using ¹⁸F-FDG PET/CT for Monitoring Treatment Response. Cancer Biotherapy and Radiopharmaceuticals, 2016, 31, 99-109.	1.0	13
41	Phytochemical characterisation of a cytotoxic stem bark extract of Steganotaenia araliacea and identification of a protoflavanone by LCâ€“SPEâ€“NMR. Phytochemistry Letters, 2015, 12, 119-124.	1.2	11
42	Primary skeletal muscle myoblasts from chronic heart failure patients exhibit loss of anti-inflammatory and proliferative activity. BMC Cardiovascular Disorders, 2016, 16, 107.	1.7	11
43	Baseline [18F]FMISO Î¼PET as a Predictive Biomarker for Response to HIF-1Î± Inhibition Combined with 5-FU Chemotherapy in a Human Colorectal Cancer Xenograft Model. Molecular Imaging and Biology, 2016, 18, 606-616.	2.6	11
44	Towards Prognostic Profiling of Non-Small Cell Lung Cancer: New Perspectives on the Relevance of Polo-Like Kinase 1 Expression, the TP53 Mutation Status and Hypoxia. Journal of Cancer, 2017, 8, 1441-1452.	2.5	11
45	The Role of Akt in Acquired Cetuximab Resistant Head and Neck Squamous Cell Carcinoma: An In Vitro Study on a Novel Combination Strategy. Frontiers in Oncology, 2021, 11, 697967.	2.8	11
46	Retention of the In Vitro Radiosensitizing Potential of Gemcitabine Under Anoxic Conditions, in p53 Wild-Type and p53-Deficient Nonâ€“Small-Cell Lung Carcinoma Cells. International Journal of Radiation Oncology Biology Physics, 2011, 80, 558-566.	0.8	10
47	Overcoming Intrinsic and Acquired Cetuximab Resistance in RAS Wild-Type Colorectal Cancer: An In Vitro Study on the Expression of HER Receptors and the Potential of Afatinib. Cancers, 2019, 11, 98.	3.7	10
48	Long-Term Depletion of Conventional Dendritic Cells Cannot Be Maintained in an Atherosclerotic Zbtb46-DTR Mouse Model. PLoS ONE, 2017, 12, e0169608.	2.5	9
49	Targeting the PD-1 Axis with Pembrolizumab for Recurrent or Metastatic Cancer of the Uterine Cervix: A Brief Update. International Journal of Molecular Sciences, 2021, 22, 1807.	4.1	8
50	Dual Targeting of Epidermal Growth Factor Receptor and HER3 by MEHD7945A as Monotherapy or in Combination with Cisplatin Partially Overcomes Cetuximab Resistance in Head and Neck Squamous Cell Carcinoma Cell Lines. Cancer Biotherapy and Radiopharmaceuticals, 2017, 32, 229-238.	1.0	8
51	Radiosensitization of Non-Small Cell Lung Cancer Cells by the Plk1 Inhibitor Volasertib Is Dependent on the p53 Status. Cancers, 2019, 11, 1893.	3.7	7
52	The radiosensitising effect of gemcitabine and its main metabolite dFdU under low oxygen conditions is in vitro not dependent on functional HIF-1 protein. BMC Cancer, 2014, 14, 594.	2.6	6
53	Characterization of acquired nutlin-3 resistant non-small cell lung cancer cells. , 2021, 4, 233-243.		6
54	Abstract 5250: Optimization of an orthotopic mouse model for in vivo fluorescent uPA imaging in breast cancer. Cancer Research, 2012, 72, 5250-5250.	0.9	5

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55	Luminescent HumanÂiPSC-Derived Neurospheroids Enable Modeling of Neurotoxicity After Oxygenâ€“glucose Deprivation. Neurotherapeutics, 2022, 19, 550-569.	4.4	5
56	MDM2 SNP309 and SNP285 Act as Negative Prognostic Markers for Non-small Cell Lung Cancer Adenocarcinoma Patients. Journal of Cancer, 2017, 8, 2154-2162.	2.5	4
57	Monitoring EGFR TKI resistance in real time using ddPCR-based liquid biopsy: a case report. Journal of Clinical Pathology, 2018, 71, 754-756.	2.0	3
58	The Intriguing Interplay Between Therapies Targeting the Epidermal Growth Factor Receptor, the Hypoxic Microenvironment and Hypoxia-inducible Factors. Current Pharmaceutical Design, 2012, 19, 907-917.	1.9	3
59	Abstract 4300: Comparative assessment of cell viability and motility kinetics by novel real-time technology and classic endpoint assays. , 2012, , .		2
60	Mechanisms of Cetuximab Resistance and How to Overcome It. , 2021, , 21-51.		1
61	Abstract 1662: REDD1 silencing in A549 lung cancer cells as a potential target for the treatment of anoxic tumor cells. , 2011, , .		0
62	Abstract 2103: High resolution melting analysis: a sensitive screening method for the detection of MDM2 promotor SNP309. , 2012, , .		0
63	Abstract 3910: Targeting urokinase plasminogen activator: evaluation of activity-based imaging probes in an orthotopic breast cancer model.. , 2013, , .		0
64	Abstract 5212: Preclinical study of the cytotoxic effect of nutlin-3a as monotherapy or in combination with gemcitabine in non-small cell lung cancer cell lines.. , 2013, , .		0
65	Abstract 5628: Overcoming cetuximab resistance in HNSCC: the role of AURKB and DUSP6.. , 2013, , .		0
66	Abstract 2593: Combination therapy with EGFR-TKI and cMET-TKIs in non-small cell lung cancer: the golden duo. , 2015, , .		0
67	Abstract 3507: APR-246 reactivates mutant p53 in non-small cell lung cancer cell lines and sensitizes cells for CDDP treatment under normoxic and hypoxic conditions. , 2015, , .		0
68	Abstract 4328: New perspectives on the use of polo-like kinase 1 as a prognostic biomarker in non-small cell lung cancer. , 2015, , .		0
69	Abstract 258: Is P53 the up-and-coming predictive biomarker for volasertib treatment in NSCLC. , 2016, , .		0