

# Stefan WÄjfl

## List of Publications by Year in descending order

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Version: 2024-02-01

78  
papers

3,249  
citations

136950

32  
h-index

161849

54  
g-index

81  
all docs

81  
docs citations

81  
times ranked

4776  
citing authors

#	ARTICLE	IF	CITATIONS
1	pVHL-mediated SMAD3 degradation suppresses TGF- $\beta$ signaling. <i>Journal of Cell Biology</i> , 2022, 221, .	5.2	11
2	Real-time monitoring of immediate drug response and adaptation upon repeated treatment in a microfluidic chip system. <i>Archives of Toxicology</i> , 2022, 96, 1483-1487.	4.2	2
3	MYCN mediates cysteine addiction and sensitizes neuroblastoma to ferroptosis. <i>Nature Cancer</i> , 2022, 3, 471-485.	13.2	73
4	Ascorbate kills breast cancer cells by rewiring metabolism via redox imbalance and energy crisis. <i>Free Radical Biology and Medicine</i> , 2021, 163, 196-209.	2.9	22
5	Continuous optical in-line glucose monitoring and control in CHO cultures contributes to enhanced metabolic efficiency while maintaining darbepoetin alfa product quality. <i>Biotechnology Journal</i> , 2021, 16, e2100088.	3.5	6
6	Pharmacological activation of pyruvate kinase M2 reprograms glycolysis leading to TXNIP depletion and AMPK activation in breast cancer cells. <i>Cancer &amp; Metabolism</i> , 2021, 9, 5.	5.0	18
7	NHC-gold compounds mediate immune suppression through induction of AHR-TGF- $\beta$ 1 signalling in vitro and in scurfy mice. <i>Communications Biology</i> , 2020, 3, 10.	4.4	14
8	Ein Multitarget-Gold(I)-Komplex induziert Zytotoxizität im Zusammenhang mit Aneuploidie in HCT-16 Kolorektalkarzinomzellen. <i>Angewandte Chemie</i> , 2020, 132, 16940.	2.0	10
9	A Multitarget Gold(I) Complex Induces Cytotoxicity Related to Aneuploidy in HCT-16 Colorectal Carcinoma Cells. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 16795-16800.	13.8	38
10	Severe metabolic alterations in liver cancer lead to ERK pathway activation and drug resistance. <i>EBioMedicine</i> , 2020, 54, 102699.	6.1	36
11	p53-Dependent Anti-Proliferative and Pro-Apoptotic Effects of a Gold(I) N-Heterocyclic Carbene (NHC) Complex in Colorectal Cancer Cells. <i>Frontiers in Oncology</i> , 2019, 9, 438.	2.8	34
12	In vitro metabolic activation of vitamin D3 by using a multi-compartment microfluidic liver-kidney organ on chip platform. <i>Scientific Reports</i> , 2019, 9, 4616.	3.3	34
13	Ethanol sensitizes hepatocytes for TGF- $\beta$ -triggered apoptosis. <i>Cell Death and Disease</i> , 2018, 9, 51.	6.3	20
14	Di (2-Ethylhexyl) Phthalate and Its Role in Developing Cholestasis. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2018, 66, e28-e35.	1.8	17
15	Monitoring cytochrome P450 activity in living hepatocytes by chromogenic substrates in response to drug treatment or during cell maturation. <i>Archives of Toxicology</i> , 2018, 92, 1133-1149.	4.2	6
16	Liver-Kidney-on-Chip To Study Toxicity of Drug Metabolites. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 78-89.	5.2	102
17	Guidelines and recommendations on yeast cell death nomenclature. <i>Microbial Cell</i> , 2018, 5, 4-31.	3.2	158
18	A Ruthenium(II) N-Heterocyclic Carbene (NHC) Complex with Naphthalimide Ligand Triggers Apoptosis in Colorectal Cancer Cells via Activating the ROS-p38 MAPK Pathway. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3964.	4.1	29

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19	Golgi stress mediates redox imbalance and ferroptosis in human cells. <i>Communications Biology</i> , 2018, 1, 210.	4.4	89
20	Liver cancer cell lines distinctly mimic the metabolic gene expression pattern of the corresponding human tumours. <i>Journal of Experimental and Clinical Cancer Research</i> , 2018, 37, 211.	8.6	99
21	Activation of pro-survival metabolic networks by 1,25(OH)2D3 does not hamper the sensitivity of breast cancer cells to chemotherapeutics. <i>Cancer &amp; Metabolism</i> , 2018, 6, 11.	5.0	12
22	Fluorescent organometallic rhodium(I) and ruthenium(II) metallodrugs with 4-ethylthio-1,8-naphthalimide ligands: Antiproliferative effects, cellular uptake and DNA-interaction. <i>European Journal of Medicinal Chemistry</i> , 2018, 156, 148-161.	5.5	46
23	Expression of TXNIP in Cancer Cells and Regulation by 1,25(OH)2D3: Is It Really the Vitamin D3 Upregulated Protein?. <i>International Journal of Molecular Sciences</i> , 2018, 19, 796.	4.1	17
24	Transcription of human c-myc in permeabilized nuclei is associated with formation of Z-ONA in three discrete regions of the gene. <i>Journal of hand surgery Asian-Pacific volume, The</i> , 2018, , 217-227.	0.4	0
25	Design and fabrication of a scalable liver-lobule-on-a-chip microphysiological platform. <i>Biofabrication</i> , 2017, 9, 015014.	7.1	105
26	Identification of a Water-Soluble Indirubin Derivative as Potent Inhibitor of Insulin-like Growth Factor 1 Receptor through Structural Modification of the Parent Natural Molecule. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 4949-4962.	6.4	33
27	Differences in p53 status significantly influence the cellular response and cell survival to 1,25-dihydroxyvitamin D3-metformin cotreatment in colorectal cancer cells. <i>Molecular Carcinogenesis</i> , 2017, 56, 2486-2498.	2.7	30
28	Essential role of mitochondrial Stat3 in p38MAPK mediated apoptosis under oxidative stress. <i>Scientific Reports</i> , 2017, 7, 15388.	3.3	33
29	1,25(OH)2D3 disrupts glucose metabolism in prostate cancer cells leading to a truncation of the TCA cycle and inhibition of TXNIP expression. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2017, 1864, 1618-1630.	4.1	27
30	Acidic stress induced G1 cell cycle arrest and intrinsic apoptotic pathway in Jurkat T-lymphocytes. <i>Experimental Cell Research</i> , 2017, 350, 140-146.	2.6	6
31	Vitamin D as a Novel Regulator of Tumor Metabolism: Insights on Potential Mechanisms and Implications for Anti-Cancer Therapy. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2184.	4.1	37
32	Effects of 1,25(OH)2D3 on Cancer Cells and Potential Applications in Combination with Established and Putative Anti-Cancer Agents. <i>Nutrients</i> , 2017, 9, 87.	4.1	17
33	Optical biosensor optimized for continuous in-line glucose monitoring in animal cell culture. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 5711-5721.	3.7	34
34	Mutational analysis of fructose-1,6-bis-phosphatase FBP1 indicates partially independent functions in gluconeogenesis and sensitivity to genotoxic stress. <i>Microbial Cell</i> , 2017, 4, 52-63.	3.2	8
35	Evolving Insights on Metabolism, Autophagy, and Epigenetics in Liver Myofibroblasts. <i>Frontiers in Physiology</i> , 2016, 7, 191.	2.8	13
36	<sc>BMP2</sc> Transfer to Neighboring Cells and Activation of Signaling. <i>Traffic</i> , 2016, 17, 1042-1053.	2.7	2

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37	Multimodal Eph/Ephrin signaling controls several phases of urogenital development. <i>Kidney International</i> , 2016, 90, 373-388.	5.2	9
38	Modified STAP conditions facilitate bivalent fate decision between pluripotency and apoptosis in Jurkat T-lymphocytes. <i>Biochemical and Biophysical Research Communications</i> , 2016, 472, 585-591.	2.1	2
39	A multi-target caffeine derived rhodium( <i>scpi</i> ) N-heterocyclic carbene complex: evaluation of the mechanism of action. <i>Dalton Transactions</i> , 2016, 45, 13161-13168.	3.3	65
40	Alkynyl gold(I) phosphane complexes: Evaluation of structure-activity-relationships for the phosphane ligands, effects on key signaling proteins and preliminary in-vivo studies with a nanoformulated complex. <i>Journal of Inorganic Biochemistry</i> , 2016, 160, 140-148.	3.5	53
41	Methylisoidigo preferentially kills cancer stem cells by interfering cell metabolism via inhibition of LKB1 and activation of AMPK in PDACs. <i>Molecular Oncology</i> , 2016, 10, 806-824.	4.6	43
42	The new facile and straightforward method for the synthesis of H -1,2,3-thiadiazolo[5,4- b ]indoles and determination of their antiproliferative activity. <i>European Journal of Medicinal Chemistry</i> , 2016, 108, 245-257.	5.5	11
43	Procarcinogens - Determination and Evaluation by Yeast-Based Biosensor Transformed with Plasmids Incorporating RAD54 Reporter Construct and Cytochrome P450 Genes. <i>PLoS ONE</i> , 2016, 11, e0168721.	2.5	14
44	Time-Resolved Cell Culture Assay Analyser (TReCCA Analyser) for the Analysis of On-Line Data: Data Integration - Sensor Correction - Time-Resolved IC50 Determination. <i>PLoS ONE</i> , 2015, 10, e0131233.	2.5	6
45	In Vitro Generation of Functional Liver Organoid-Like Structures Using Adult Human Cells. <i>PLoS ONE</i> , 2015, 10, e0139345.	2.5	86
46	Rhodium(I) N-Heterocyclic Carbene Bioorganometallics as in Vitro Antiproliferative Agents with Distinct Effects on Cellular Signaling. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 9591-9600.	6.4	44
47	Genotoxicity of Chemical Compounds Identification and Assessment by Yeast Cells Transformed With GFP Reporter Constructs Regulated by the <i>PLM2</i> or <i>DIN7</i> Promoter. <i>International Journal of Toxicology</i> , 2015, 34, 31-43.	1.2	10
48	Ethyl 2-((4-Chlorophenyl)amino)thiazole-4-carboxylate and Derivatives Are Potent Inducers of Oct3/4. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 5742-5750.	6.4	19
49	Simultaneous detection of multiple bioactive pollutants using a multiparametric biochip for water quality monitoring. <i>Biosensors and Bioelectronics</i> , 2015, 72, 71-79.	10.1	8
50	Identification of 2-[4-[(4-Methoxyphenyl)methoxy]-phenyl]acetonitrile and Derivatives as Potent Oct3/4 Inducers. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 4976-4983.	6.4	15
51	The Plant Decapeptide OSIP108 Can Alleviate Mitochondrial Dysfunction Induced by Cisplatin in Human Cells. <i>Molecules</i> , 2014, 19, 15088-15102.	3.8	4
52	A TrxR inhibiting gold(I) NHC complex induces apoptosis through ASK1-p38-MAPK signaling in pancreatic cancer cells. <i>Molecular Cancer</i> , 2014, 13, 221.	19.2	95
53	The CF-modifying gene EHF promotes p.Phe508del-CFTR residual function by altering protein glycosylation and trafficking in epithelial cells. <i>European Journal of Human Genetics</i> , 2014, 22, 660-666.	2.8	26
54	A Deadly Organometallic Luminescent Probe: Anticancer Activity of a Re <sup>I</sup> Bisquinoline Complex. <i>Chemistry - A European Journal</i> , 2014, 20, 2496-2507.	3.3	74

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55	Gold(I) N-Heterocyclic Carbene Complexes with Naphthalimide Ligands as Combined Thioredoxin Reductase Inhibitors and DNA Intercalators. <i>ChemMedChem</i> , 2014, 9, 1794-1800.	3.2	58
56	7,7-Diazaindirubin: A small molecule inhibitor of casein kinase 2 in vitro and in cells. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 247-255.	3.0	33
57	Detailed analysis of pro-apoptotic signaling and metabolic adaptation triggered by a N-heterocyclic carbene-gold complex. <i>Metallomics</i> , 2014, 6, 1591-1601.	2.4	53
58	Proliferation and cilia dynamics in neural stem cells prospectively isolated from the SEZ. <i>Scientific Reports</i> , 2014, 4, 3803.	3.3	36
59	Quantitative kinetics analysis of BMP2 uptake into cells and its modulation by BMP antagonists. <i>Journal of Cell Science</i> , 2013, 126, 117-127.	2.0	35
60	Cartilage Oligomeric Matrix Protein (COMP)-Mediated Cell Differentiation to Proteolysis Mechanism Networks from Human Normal Adjacent Tissues to Lung Adenocarcinoma. <i>Analytical Cellular Pathology</i> , 2013, 36, 93-105.	1.4	4
61	Zonation of Nitrogen and Glucose Metabolism Gene Expression upon Acute Liver Damage in Mouse. <i>PLoS ONE</i> , 2013, 8, e78262.	2.5	45
62	Indirubin Derivatives Modulate TGF $\beta$ /BMP Signaling at Different Levels and Trigger Ubiquitin-Mediated Depletion of Nonactivated R-Smads. <i>Chemistry and Biology</i> , 2012, 19, 1423-1436.	6.0	35
63	Distinct and overlapping gene regulatory networks in BMP- and HDAC-controlled cell fate determination in the embryonic forebrain. <i>BMC Genomics</i> , 2012, 13, 298.	2.8	11
64	A fast and efficient polymerase chain reaction-based method for the preparation of in situ hybridization probes. <i>Histopathology</i> , 2012, 61, 306-313.	2.9	17
65	On the Biological Properties of Alkynyl Phosphine Gold(I) Complexes. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 8895-8899.	13.8	162
66	KOMA: ELISA-microarray calibration and data analysis based on kinetic signal amplification. <i>Journal of Immunological Methods</i> , 2012, 380, 10-15.	1.4	10
67	Synthesis and cellular impact of diene-ruthenium(II) complexes: A new class of organoruthenium anticancer agents. <i>Journal of Inorganic Biochemistry</i> , 2012, 106, 126-133.	3.5	15
68	Comparative in Vitro Evaluation of N-Heterocyclic Carbene Gold(I) Complexes of the Benzimidazolylidene Type. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 8646-8657.	6.4	242
69	Microarray-based kinetic colorimetric detection for quantitative multiplex protein phosphorylation analysis. <i>Proteomics</i> , 2011, 11, 2129-2133.	2.2	14
70	Cellular Selectivity and Biological Impact of Cytotoxic Rhodium(III) and Iridium(III) Complexes Containing Methyl-Substituted Phenanthroline Ligands. <i>ChemMedChem</i> , 2011, 6, 429-439.	3.2	37
71	Real-Time Monitoring of Cisplatin-Induced Cell Death. <i>PLoS ONE</i> , 2011, 6, e19714.	2.5	88
72	Computer Controlled Automated Assay for Comprehensive Studies of Enzyme Kinetic Parameters. <i>PLoS ONE</i> , 2010, 5, e10727.	2.5	11

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73	Benzimidazol-2-ylidene Gold(I) Complexes Are Thioredoxin Reductase Inhibitors with Multiple Antitumor Properties. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 8608-8618.	6.4	301
74	Single Linkage Clustering Fit for Establishing Theoretical MAPK/Erk Signaling Pathway in Human Soft Tissue Sarcoma Samples. , 2009, , .		0
75	Metabolic response to MMS-mediated DNA damage in <i>Saccharomyces cerevisiae</i> is dependent on the glucose concentration in the medium. <i>FEMS Yeast Research</i> , 2009, 9, 535-551.	2.3	35
76	Histone Deacetylases Control Neurogenesis in Embryonic Brain by Inhibition of BMP2/4 Signaling. <i>PLoS ONE</i> , 2008, 3, e2668.	2.5	68
77	Uncentered (centered) Correlation Clustering Method Fit for Establishing Theoretical p38 MAPK Signaling Pathway in Human Soft Tissue Sarcoma Samples. , 2007, , .		0
78	Application of yeast cells transformed with GFP expression constructs containing the RAD54 or RNR2 promoter as a test for the genotoxic potential of chemical substances. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2000, 464, 297-308.	1.7	72